ESTTA Tracking number:	**ESTTA820134**
Filing date:	**05/10/2017**

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Notice of Opposition

Notice is hereby given that the following party opposes registration of the indicated application.

Opposer Information

Name	Apple Inc.
Granted to Date of previous extension	05/10/2017
Address	1 Infinite Loop Cupertino, CA 95014 UNITED STATES

Attorney information	Matthew W. Walch LATHAM & WATKINS LLP 330 North Wabash Avenue, Suite 2800 Chicago, IL 60611 UNITED STATES matthew.walch@lw.com, patrick.justman@lw.com, ipdocket@lw.com Phone:(312) 876-7700

Applicant Information

Application No	86884662	Publication date	01/10/2017
Opposition Filing Date	05/10/2017	Opposition Period Ends	05/10/2017
Applicant	SINGH, ROHIT 114, Pocket H-17, Sector 7, Rohini New Delhi, 110085 INDIA		

Goods/Services Affected by Opposition

Class 009. First Use: 2005/08/23 First Use In Commerce: 2005/08/31 All goods and services in the class are opposed, namely: Graphical user interface software

Grounds for Opposition

Priority and likelihood of confusion	Trademark Act Section 2(d)
The mark is merely descriptive	Trademark Act Section 2(e)(1)
The mark is not inherently distinctive and has not acquired distinctiveness	Trademark Act Sections 1, 2 and 45; and Section 2(f)
Applicant not rightful owner of mark for identified goods or services	Trademark Act Section 1
Fraud on the USPTO	In re Bose Corp., 580 F.3d 1240, 91 USPQ2d 1938 (Fed. Cir. 2009)

Marks Cited by Opposer as Basis for Opposition

U.S. Application/ Registration No.	NONE	Application Date	NONE
Registration Date	NONE		
Word Mark	SplitView		
Goods/Services	graphical user interface software		

U.S. Application/ Registration No.	NONE	Application Date	NONE
Registration Date	NONE		
Word Mark	Split View		
Goods/Services	graphical user interface software		

Attachments	Notice of Opposition - Splitview.pdf(158465 bytes) Ex. A- Appl.pdf(108653 bytes) Ex. B.pdf(109177 bytes) Ex. C.pdf(102009 bytes) Ex. D.pdf(111643 bytes) Ex. E.pdf(95871 bytes) Exhibit F.pdf(219020 bytes) Exhibit G.pdf(518048 bytes) Exhibit H.pdf(236416 bytes) Ex. I - Microsoft Dictionary.pdf(173438 bytes) Exhibit J.pdf(545334 bytes) Exhibit K.pdf(285210 bytes) Exhibit L.pdf(125755 bytes) Exhibit M.pdf(5586681 bytes) Ex. N -Office Action.pdf(654553 bytes) Ex. O -Condensed Response to Office Action.pdf(38067 bytes) Exibit P - Next Evid.pdf(407461 bytes) Exhibit Q.pdf(446701 bytes) Exhibit - R.pdf(5892553 bytes)

Signature	/Matthew W. Walch/
Name	Matthew W. Walch
Date	05/10/2017

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
BEFORE THE TRADEMARK TRIAL AND APPEAL BOARD

Mark: SPLITVIEW

Serial Nos.:   86/884,662

Published in the *Official Gazette* dated January 10, 2017

APPLE INC.	:	
	:	
Opposer,	:	
	:	
v.	:	Opposition No.
	:	
ROHIT SINGH	:	
	:	
Applicant.	:	

NOTICE OF OPPOSITION

Opposer Apple Inc. ("Apple"), with an address at 1 Infinite Loop, Cupertino, CA 95014,

believes that it will be damaged by the registration of the term SPLITVIEW, as shown in

Application Serial No. 86/884,662 (the "Application") filed by Applicant Rohit Singh

("Applicant"), and therefore opposes such application for registration.

The grounds for this opposition are as follows:

1.   Applicant is seeking to register the term SPLITVIEW on the Principal Register of

the U.S. Patent & Trademark Office ("PTO") for "graphical user interface software" in

International Class 9. As explained in more detail below, the Application should be refused

registration and the opposition sustained because: (1) the Applicant does not have any ownership

rights in the SPLITVIEW term; (2) the term SPLITVIEW is inherently descriptive and

unregisterable under 15 U.S.C. § 1052(e); (3) the Applicant cannot establish acquired

distinctiveness in the SPLITVIEW term under 15 U.S.C. § 1052(f); and (4) the Applicant has committed fraud on the PTO in connection with its efforts to register the SPLITVIEW term. In the alternative and to the extent the Application is not refused based on the foregoing grounds, Apple opposes the Application pursuant to 15 U.S.C. § 1052(d) because Opposer Apple has senior and superior rights based on its use and the use of its predecessor-in-interest of the "SplitView" term and "Split View" phrase and the registration of Applicant's mark for "graphical user interface software" would be likely to cause confusion with such rights.

I.   The Applicant Lacks Any Ownership Rights in the SPLITVIEW Term

2.   The Application identifies Applicant as an individual with an address at 114, Pocket H-17, Sector 7, Rohini, New Delhi, India 110085.

3.   Applicant filed the Application on January 24, 2016 under Section 1(a) of the Trademark Act, and claimed a date of first use of August 23, 2005 and a date of first use in commerce of August 31, 2005.

4.   The specimen of use submitted with the Application (the "Specimen of Use") consists of a page from a website at www.splitview.com (the "splitview.com Website"). (**Exhibit A**)

5.   The "About Us" page on the splitview.com Website refers to Vyooh, which is described as "an innovative software technology company." The splitview.com Website also lists the SplitView software product at issue under the heading "Our Products." (**Exhibit B**). The relevant portion of the splitview.com Website appears as follows:

About Us

VYOOH

Vyooh is an innovative software technology company that develops industry-leading software products for virtualization, server based computing and IT infrastructure management. By revolutionizing how information is processed, organized and presented, Vyooh has emerged as the trendsetter in increasing personal productivity as well as improving utilization of IT resources.

With its origins in Sanskrit, the word vyooh, pronounced "view", represents an arrangement, structure, or pattern. In the same spirit, Vyooh provides arrangement and structure to information assets using visually elegant informative patterns.

Our Products

SplitView enables a true multi-monitor experience with VMware VDI, Citrix (RDP and ICA), Terminal Services, Remote Desktop, HP RGS, Sun Ray ALP as well as other virtualization, remote desktop and thin client technologies. Additionally, SplitView provides several productivity boosting enhancements such as the ability to move windows efficiently between multiple monitors.

6.	The software described in the Specimen of Use is also described on another website at www.vyooh.com (the "vyooh.com Website"). The vyooh.com Website refers to Vyooh as "an innovative software technology company" and lists the SplitView software product under the heading "Our Products." **(Exhibit C)**. The relevant portion of the vyooh.com Website appears as follows:

Vyooh is an innovative software technology company that develops industry-leading software products for virtualization, server based computing and IT infrastructure management. By revolutionizing how information is processed, organized and presented, Vyooh has emerged as the trendsetter in increasing personal productivity as well as improving utilization of IT resources.

With its origins in Sanskrit, the word vyooh, pronounced "view", represents an arrangement, structure, or pattern. In the same spirit, Vyooh provides arrangement and structure to information assets using visually elegant informative patterns.

Our Products

SplitView enables a true multi-monitor experience with VMware VDI, Citrix (RDP and ICA), Terminal Services, Remote Desktop, HP RGS, Sun Ray ALP as well as other virtualization, remote desktop and thin client technologies. Additionally, SplitView provides several productivity boosting enhancements such as the ability to move windows efficiently between multiple monitors.

7.   On information and belief, Vyooh refers to Vyooh LLC, a California limited liability company. **(Exhibit D)**

8.   The splitview.com Website and the www.vyooh.com Website identify Vyooh as the source of the SplitView software, not Applicant. In fact, the websites at issue include no reference to the Applicant. (*See* **Exhibits A-B**)

9.   The "Contact Us" page on the splitview.com Website gives an address of "17146 NE Sandy Blvd #INW-CQR, Portland, OR 97230," and not the Address of Applicant. **(Exhibit E)**

10.   The Application contains no explanation of Applicant's relationship to Vyooh and no assertion or evidence of any relationship between Applicant and Vyooh.

11.   The Application contains no explanation, assertion, or evidence as to how Applicant can claim trademark rights in the SPLITVIEW term based on Vyooh's purported use of the term shown in the Specimen of Use.

12.   Moreover, Vyooh is currently suspended from operating within California for a failure to pay taxes. (**Exhibit D)**

13.   As a result, Vyooh's powers, rights, and privileges, including the ability to operate within California or assign any of its rights, have been suspended and anyone purporting to act on its behalf is subject to criminal penalties and fines. *See* Cal. Rev. & Tax Code §§ 23301, 19719. Thus, during such suspension, Vyooh could not have assigned any rights to Applicant, Applicant cannot act on Vyooh's behalf and continue to sell the "SplitView" product in commerce, and all contracts entered into by Vyooh are voidable.

14.   In sum, Applicant is not entitled to register the SPLITVIEW term as a trademark because the Specimen of Use shows that Vyooh, and not Applicant, is the purported source of the SplitView software and Vyooh is not permitted to conduct business in California, its state of organization. *See* 15 U.S.C. § 1051(a)(1).

II.   The SPLITVIEW Term Is Inherently Descriptive And Unregisterable Pursuant to 15 U.S.C. § 1052(e).

15.   The Specimen of Use provides that the software purportedly identified using the term SPLITVIEW allows a user to "[s]plit your monitor" into one of "[m]ultiple window configurations" and "transforms a large single monitor system into a multi-monitor system". The relevant portion from the Specimen of Use is displayed below:
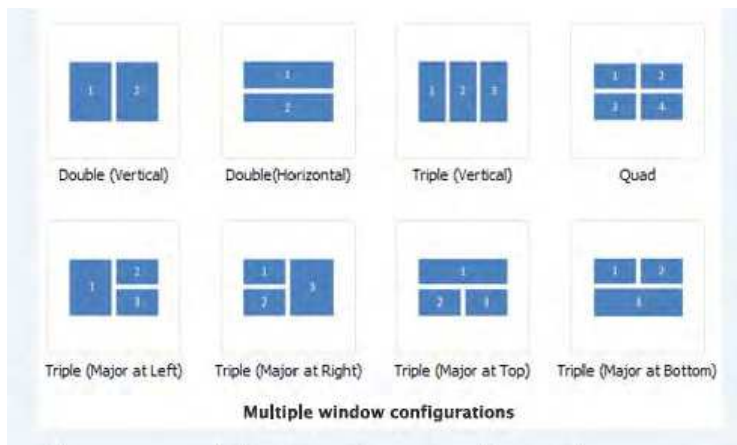
SplitView Personal Edition

Split your monitor, double your productivity

SplitView lets you take full advantage of your widescreen or **high reso**lution monitor by enabling you to work with multiple applications at the same time.

You don't need to fiddle with windows to move or resize them to fit your desktop. Neither do you need to keep alternating between windows using Alt-Tab or the taskbar for simple tasks like copy-pasting or comparing documents. SplitView **transforms a large single monitor system into a multi-monitor system** enabling you to focus on your work, not on window management.

Double (Vertical) Double(Horizontal) Triple (Vertical) Quad

Triple (Major at Left) Triple (Major at Right) Triple (Major at Top) Triple (Major at Bottom)

Multiple window configurations

16.   As reflected by the Specimen of Use's description of the purported product

identified by the SPLITVIEW term, that term is devoid of any distinctive character and merely

descriptive of the goods or characteristics, functions, features, purposes or uses of the specified

goods or services. TMEP § 1209.01(b).

17.   The descriptive nature of the SPLITVIEW term is further established through

consideration of dictionary definitions of the composite elements of the SPLITVIEW term and

widespread industry usage of the analogous "split view" phrase in a descriptive manner. (The

term "SplitView" is a combination of the descriptive words "split" and "view." In fact, the PTO

recognized as much by assigning the pseudo mark "SPLIT VIEW" to the Application.)

18.   The Shorter Oxford English Dictionary explains that the term "split" means

"made or formed in two or more narrowly separated parts. (**Exhibit F)**

19.   The Oxford English Dictionary explains that the term "view" means "visual

appearance or aspect," the "area covered by the eye from one point" and "range of sight or

vision." (**Exhibit G)**

20.   Within the technology industry, the term "view" is commonly understood to refer

to a display, screen window, viewing device or a graphical user interface for a particular

computer program. For example, the Computer Desktop Encyclopedia, a self-described

"Indispensable Reference on Computers," defines "view" as follows: "To display and look at

data on screen." (**Exhibit H)** Moreover, the Microsoft Computer Dictionary, Fifth Edition

defines view as follows: "The display of data or an image from a given perspective or location"

and "To cause an application to display information on a computer screen." (**Exhibit I)**

21.   Consistent with this understanding, many prominent companies, such as

Microsoft Corporation, Samsung Electro-Mechanics Co. Ltd., Oracle Corporation, Apache

Software Foundation, LG Electronics, IBM (International Business Machines), Canon, Inc.,

Innero S.A.S., NQR Productions, have used the term "splitview" or phrase "split view" to describe multi-windowing functionality. For example:

a. Microsoft has published programming code, referred to as "SplitView class," to allow developers to build a control application that "[r]epresents a container with two views; one for the main content and another view that is typically used for navigation commands." Microsoft has also published guidelines that describe this control application as a "split view control." Further, a Microsoft user support article related to certain software products instructs users how to "[s]plit a view to see two different types of project information—two views—on your screen at the same time." In that user support article, Microsoft descriptively refers to this feature as "a split view." (**Exhibit J**)

b. Samsung has used the phrase "split view" to describe the function performed by its MultiWindow functionality available on its Galaxy Tab S2 devices. This functionality allows the user to split the screen of the Samsung device into two parts and simultaneously work on both applications displayed within the two parts of the screen. (**Exhibit K**)

c. IBM uses the phrase "split view" to describe functional features of many of its products, such as Rich Page Editor and the IBM Clarity Studio. Regarding its Rich Page Editor, IBM states that "[t]he Split view combines the Source and Design views in a split screen view. Changes that you make in one part of the split screen are automatically updated in the other part. You can split the view horizontally or vertically." (**Exhibit L**)

22.   Similarly, Opposer Apple uses the phrase "Split View" to describe a feature in its

OS X El Capitan operating system software for Mac computers, which "lets you fill your Mac

screen with two apps, without having to manually move and resize windows." Apple also uses

the phrase "Split View" to describe a feature in the iOS 9 operating system software for its iPad

device, which lets users "have two apps open and active at the same time." (**Exhibit M**)

23.   Notwithstanding the descriptive nature of this use, Applicant has attempted to rely

on its purported trademark rights in the SPLITVIEW term in India to try to enjoin Opposer from

using the "Split View" descriptive phrase in India. Presumably, Applicant has filed the

Application here to do the same in the United States. To date, Applicant's legal efforts in India

have been rejected by the Indian courts.

24.   The PTO recognized the descriptive nature of the SPLITVIEW term when it

issued an office action on the Application on May 11, 2016 (the "Office Action"), refusing

registration of SPLITVIEW "because the applied-for mark merely describes a

feature/characteristic/purpose or intended use for applicant's goods." (**Exhibit N**)

25.   The Office Action stated as follows:

> In this case, the enclosed evidence from a Google.com search as
> well as the specimen of use in the application record clearly shows
> the use or purpose for applicant's software is to create a spilt view
> on a computer monitor screen. Specifically, the software allows a
> screen to be divided one or more times to create multiple smaller
> screens within a single monitor screen commonly referred to as a
> split view screen. Further, the enclosed evidence indicates a
> splitview or split view to be a common term of art in the computer
> trade or industry. Therefore, the examining attorney must find the
> proposed mark merely descriptive of the intended use or purpose
> for applicant's graphic user interface software.

26.   In light of the acknowledged use of the "SplitView" term in a descriptive manner

in the Specimen of Use, the dictionary definitions of the "split" and "view" terms, and the well-

established usage of the "splitview" term and "split view" phrase by other parties in the industry, Applicant cannot claim any trademark rights in the purported mark that is the subject of his Application pursuant to 15 U.S.C. § 1052(e).

III.   The Applicant Cannot Establish Acquired Distinctiveness in the SPLITVIEW Term

27.   In an effort to avoid the rejection of his application on descriptive grounds, Applicant filed a response to the Office Action referred to in Paragraphs 24 and 25 on November 2 and 10, 2016 (collectively, the "Office Action Responses"), asserting a Section 2(f) claim of acquired distinctiveness and stating that "[t]he mark has become distinctive of the goods/services through the applicant's substantially exclusive and continuous use of the mark in commerce that the U.S. Congress may lawfully regulate for at least the five years immediately before the date of this statement." **(Exhibit O)**

28.   The evidence attached to the November 2 response consists of (a) pages from the splitview.com Website that refer to the SplitView software and Vyooh, (b) pages with the heading "Campaign Management – Google AdWords," and (c) a document captioned "Account Snapshot Vyooh LLC" which lists "SplitView" under the heading "My Products."

29.   The evidence attached to the November 10 response consists of (a) a three-page list with the heading "Representative Sampling of Customers of Applicant" and the notation "Please refer to the attached Purchase Orders and confirmations," followed by (b) a series of emails addressed to sales@vyooh.com, none of which references Applicant.

30.   The evidence attached to the Office Action Responses is collectively referred to hereinafter as the "Office Action Evidence." The Office Action Evidence is deficient in several regards.

31.   First, the Office Action Evidence purports to show communications between purchasers and Vyooh, not Applicant.

32.   Second, the Office Action Evidence purports to show that advertising for the SplitView software was purchased by Vyooh LLC, not Applicant.

33.   Third, the Office Action Responses and Office Action Evidence contain no explanation of Applicant's relationship to Vyooh and no evidence of any relationship between Applicant and Vyooh.

34.   Fourth, the pages in the Office Action Evidence with the heading "Campaign Management – Google AdWords" do not list the product being advertised or the purchaser of advertising. Further, this evidence does not establish any advertising or promotion of a product identified by the term SPLITVIEW or use of that term in advertising. To the contrary, the evidence shows that Applicant purchased a variety of generic and descriptive terms, such as "two monitors, dual monitors, multi monitor," and "remote desktop," to advertise the software and that the "SplitView" term was not even used in the Google AdWords program.

35.   Fifth, all of the alleged purchase orders submitted with the Office Action Evidence are addressed to sales@vyooh.com.

36.   Sixth, Applicant improperly claimed that the revenues associated with the SplitView software product established acquired distinctiveness in the "SplitView" term. In the Office Action Responses, Applicant did not establish any connection between such revenues and the source identifying nature of the "SplitView" term (as opposed to other functional features of the software program). In addition, Applicant did not establish such revenues had actually been generated within the United States. To the contrary, the submitted evidence shows that many of Vyooh's (not Applicant's) sales occurred outside of the United States with persons or entities

- 11 -

based in foreign countries, such as Germany. Further, some of these alleged "sales" generated

no revenue for Vyooh, as they only represent customers signing up for a free trial of the

software.

37.   Seventh, the Office Action Evidence contains no evidence showing media

recognition of the term SplitView in association with Applicant. Similarly, even as to Vyooh,

the Office Action Evidence does not demonstrate any meaningful media recognition of that term

in association with the company.

38.   In sum, Applicant's purported evidence of acquired distinctiveness does not

establish any causal nexus between the "SplitView" term and Vyooh's advertising expenditures

or the revenues associated with the software product purportedly offered in connection with the

"SplitView" term.

39.   As a consequence of the foregoing, the Office Action Evidence does not support a

finding that U.S. consumers recognize or associate the term SPLITVIEW with Applicant (or

even Vyooh).

40.   Further, and as described in more detail above and below, Applicant is not

entitled to register the term SPLITVIEW under Section 2(f) of the Lanham Act (15 U.S.C. §

1052(f)) because many third parties, including Opposer Apple, used the term prior to and/or

simultaneously with any purported use of the term by Applicant or Vyooh in connection with

computer software. Such third-party use demonstrates that U.S. consumers could not have

exclusively associated the use of that term with Applicant.

41.   Therefore, Applicant has not established acquired distinctiveness in the

SPLITVIEW term pursuant to 15 U.S.C. § 1052(f) because the evidence he has submitted does

not demonstrate that he has engaged in substantially exclusive and continuous use of the term in

the United States. Moreover, in light of the extensive third-party use of that descriptive term and the analogous "split view" phrase as set forth herein, Applicant cannot establish such substantially exclusive use as required by 15 U.S.C. § 1052(f).

IV.   The Applicant Committed Fraud on the PTO.

42.   As detailed above, many third parties, including Opposer Apple, have used the "SplitView" term or "Split View" phrase prior to or simultaneously to the time Applicant claims to have used the same term.

43.   In fact, Apple's predecessor-in-use NeXT Computer, Inc. ("NeXT") began using the term "SplitView" or phrase "Split View" in connection with multi-windowing features in its products since at least as early as 1993. (**Exhibit P**)

44.   In 2006, Apple began using the term "SplitView" in relation to Xcode, its developer environment for its OS X and iOS operating systems. (**Exhibit Q**)

45.   Apple also has used the "SplitView" term in connection with an application program interface, called "UISplitViewController", in the first iPad software development kit in 2010. (**Exhibit R**)

46.   On information and belief, Applicant was aware of at least certain of Apple's use of the "Split View" phrase and certain of the various third parties use of the term "SplitView" term and "Split View" phrase described in Paragraph 21 prior to his filing of the Application on January 24, 2016.

47.   Notwithstanding this knowledge, Applicant signed the declaration in the Application stating that "[t]he signatory believes that to the best of the signatory's knowledge and belief, no other persons, except, if applicable, concurrent users, have the right to use the mark in commerce, either in the identical form or in such near resemblance as to be likely, when

used on or in connection with the goods/services of such other persons, to cause confusion or mistake, or to deceive."

48.   On information and belief, Applicant's statement in the Application is not true. Applicant knew it was not true at the time of submitting the Application, and Applicant stated this for the purpose of inducing the PTO to approve registration of the Application.

49.   Similarly, Applicant's statement in the Office Action Responses that he made "substantially exclusive and continuous use of the mark in commerce that the U.S. Congress may lawfully regulate for at least the five years immediately before" November 2, 2016 is inaccurate and Applicant knew as much, because his purported use of the term SPLITVIEW was not substantially exclusive.

50.   Indeed, Applicant was well aware of Opposer Apple's prior and simultaneous use of the "SplitView" term and "Split View" phrase at least as early as November 2, 2016 as a result of Apple's submissions to a court in India in the litigation referenced in Paragraph 23 in the spring of 2016. Applicant also knew of the many third party uses referenced in Paragraphs 21 herein because such uses were cited in Apple's submissions to the court in India in the spring of 2016.

51.   Finally, as noted in Paragraphs 12 and 13, Vyooh is suspended from activity in its purported state of organization as a result of its failure to pay taxes. As a result, it is prohibited from prosecuting any legal action, such as applying to register a trademark. Applicant appears to have attempted to circumvent this prohibition by fraudulently filing the Application in his name and making false statements in connection with his Application, which Applicant knew were false at the time of submitting his application and were made for the purpose of inducing the PTO to approve registration of the application.

52.   As a consequence of the foregoing, the Application is void as a result of Applicant's fraud on the PTO.

IV.   Alternative Grounds for Opposition: Applicant's Use of the "SplitView" Term in Connection with the Applied for Goods Is Likely to Cause Confusion, Mistake, or Deception with respect to Apple's Senior and Superior Rights in the "SplitView" term and/or "Split View" Phrase.

53.   In the alternative, and only to the extent that the Board rejects Apple's position that: (1) the Applicant does not have any ownership rights in the SPLITVIEW term; (2) the term SPLITVIEW is inherently descriptive and unregisterable under 15 U.S.C. § 1052(e); (3) the Applicant cannot establish acquired distinctiveness in the SPLITVIEW term under 15 U.S.C. § 1052(f); and (4) the Applicant has committed fraud on the PTO in connection with its efforts to register the SPLITVIEW term, Apple opposes the registration of the "SplitView" term for the goods identified in the Application on likelihood of confusion grounds pursuant to 15 U.S.C. § 1052(d). Apple asserts such grounds in the alternative based on the prior use by Apple and its predecessor-in-interest of the "SplitView" term and "Split View" phrase for computer software that provides graphic user interface functionality.
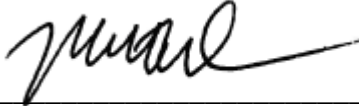
54.   To be clear, Applicant should not be granted any rights to the Split View term for use with the broad set of goods identified by Applicant – namely, "graphical user interface software" – for the various grounds set forth above in Paragraphs 1 through 52. However, if the Board disagrees, Apple asserts, in the alternative, that it or its predecessor-in-interest should be found to be the senior user of the "SplitView" term and the analogous "Split View" phrase as detailed in Paragraphs 22 and 42-45. Given this senior use and the fact that Applicant has applied to register the identical "SplitView" term for such a broad set of goods, Applicant's registration of the SPLITVIEW term for "graphical user interface software" is likely to cause

confusion, mistake, or deception as to the source, origin, or sponsorship of the parties' respective

goods and services.

WHEREFORE, Apple prays that U.S. Application Serial No. 86/884,662 be refused

registration and that this opposition be sustained.

Dated: May 10, 2017

Respectfully submitted,
LATHAM & WATKINS LLP

By:_____

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Attorneys for Opposer
Apple, Inc.
US-DOCS\87319027

EXHIBIT A

Trademark/Service Mark Application, Principal Register

TEAS Plus Application

Serial Number: 86884662
Filing Date: 01/24/2016

*NOTE: Data fields with the * are mandatory under TEAS Plus. The wording "(if applicable)" appears where the field is only mandatory under the facts of the particular application.*

The table below presents the data as entered.

Input Field	Entered
TEAS Plus	**YES**
MARK INFORMATION	
*MARK	SplitView
*STANDARD CHARACTERS	YES
USPTO-GENERATED IMAGE	YES
LITERAL ELEMENT	SplitView
*MARK STATEMENT	The mark consists of standard characters, without claim to any particular font, style, size, or color.
REGISTER	Principal
APPLICANT INFORMATION	
*OWNER OF MARK	SINGH, ROHIT
*STREET	114, Pocket H-17, Sector 7, Rohini
*CITY	New Delhi
*COUNTRY	India
*ZIP/POSTAL CODE (Required for U.S. applicants)	110085
PHONE	+919013241280
EMAIL ADDRESS	rxsingh@gmail.com
AUTHORIZED TO COMMUNICATE VIA EMAIL	Yes
WEBSITE ADDRESS	http://www.splitview.com
LEGAL ENTITY INFORMATION	
*TYPE	INDIVIDUAL
* COUNTRY OF CITIZENSHIP	United States
GOODS AND/OR SERVICES AND BASIS INFORMATION	
*INTERNATIONAL CLASS	009
*IDENTIFICATION	Graphical user interface software

*FILING BASIS	SECTION 1(a)
FIRST USE ANYWHERE DATE	At least as early as 08/23/2005
FIRST USE IN COMMERCE DATE	At least as early as 08/31/2005
SPECIMEN FILE NAME(S)	[\\TICRS\EXPORT16\IMAGEOUT 16\868\846\86884662\xml1\ FTK0003.JPG](#)
SPECIMEN DESCRIPTION	Website giving description of the product associated with the mark and means to order the product via the Buy Now link.
ADDITIONAL STATEMENTS INFORMATION	
*TRANSLATION (if applicable)	
*TRANSLITERATION (if applicable)	
*CLAIMED PRIOR REGISTRATION (if applicable)	
*CONSENT (NAME/LIKENESS) (if applicable)	
*CONCURRENT USE CLAIM (if applicable)	
CORRESPONDENCE INFORMATION	
*NAME	SINGH, ROHIT
*STREET	114, Pocket H-17, Sector 7, Rohini
*CITY	New Delhi
*COUNTRY	India
*ZIP/POSTAL CODE	110085
PHONE	+919013241280
*EMAIL ADDRESS	rxsingh@gmail.com
*AUTHORIZED TO COMMUNICATE VIA EMAIL	Yes
FEE INFORMATION	
APPLICATION FILING OPTION	TEAS Plus
NUMBER OF CLASSES	1
FEE PER CLASS	225
*TOTAL FEE PAID	225
SIGNATURE INFORMATION	
* SIGNATURE	/rohit singh/
* SIGNATORY'S NAME	Rohit Singh
* SIGNATORY'S POSITION	Owner
SIGNATORY'S PHONE NUMBER	+91 9013241280
* DATE SIGNED	01/24/2016

Trademark/Service Mark Application, Principal Register

TEAS Plus Application

Serial Number: 86884662
Filing Date: 01/24/2016

To the Commissioner for Trademarks:

MARK: SplitView (Standard Characters, see mark)
The literal element of the mark consists of SplitView.
The mark consists of standard characters, without claim to any particular font, style, size, or color.

The applicant, ROHIT SINGH, a citizen of United States, having an address of
   114, Pocket H-17, Sector 7, Rohini
   New Delhi 110085
   India
   +919013241280(phone)
   rxsingh@gmail.com

requests registration of the trademark/service mark identified above in the United States Patent and Trademark Office on the Principal Register established by the Act of July 5, 1946 (15 U.S.C. Section 1051 et seq.), as amended, for the following:

For specific filing basis information for each item, you must view the display within the Input Table.
   International Class 009: Graphical user interface software

Use in Commerce: The applicant is using the mark in commerce on or in connection with the identified goods/services. The applicant attaches, or will later submit, one specimen as a JPG/PDF image file showing the mark as used in commerce on or in connection with any item in the class of listed goods/services, regardless of whether the mark itself is in the standard character format or is a stylized or design mark. The specimen image file may be in color, and the image must be in color if color is being claimed as a feature of the mark.

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Specimen File1

For informational purposes only, applicant's website address is: http://www.splitview.com
The applicant's current Correspondence Information:
   SINGH, ROHIT
   114, Pocket H-17, Sector 7, Rohini
   New Delhi 110085, India
   +919013241280(phone)
   rxsingh@gmail.com (authorized)
E-mail Authorization: I authorize the USPTO to send e-mail correspondence concerning the application to the applicant or applicant's attorney at the e-mail address provided above. I understand that a valid e-mail address must be maintained and that the applicant or the applicant's attorney must file the relevant subsequent application-related submissions via the Trademark Electronic Application System (TEAS). Failure to do so will result in an additional processing fee of $50 per international class of goods/services.

A fee payment in the amount of $225 has been submitted with the application, representing payment for 1 class(es).

Declaration

The signatory believes that: if the applicant is filing the application under 15 U.S.C. § 1051(a), the applicant is the owner of the trademark/service mark sought to be registered; the applicant is using the mark in commerce on or in connection with the goods/services in the application; the specimen(s) shows the mark as used on or in connection with the goods/services in the application; and/or if the applicant filed an application under 15 U.S.C. § 1051(b), § 1126(d), and/or § 1126(e), the applicant has a bona fide intention, and is entitled, to use the mark in commerce on or in connection with the goods/services in the application. The signatory believes that to the best of the signatory's knowledge and belief, no other persons, except, if applicable, concurrent users, have the right to use the mark in commerce, either in the identical form or in such near resemblance as to be likely, when used on or in connection with the goods/services of such other persons, to cause confusion or mistake, or to deceive. The signatory being warned that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements and the like may jeopardize the validity of the application or any registration resulting therefrom, declares that all statements made of his/her own knowledge are true and all statements made on information and belief are believed to be true.

Signature: /rohit singh/   Date Signed: 01/24/2016
Signatory's Name: Rohit Singh
Signatory's Position: Owner

RAM Sale Number: 86884662
RAM Accounting Date: 01/25/2016

Serial Number: 86884662
Internet Transmission Date: Sun Jan 24 13:52:32 EST 2016
TEAS Stamp: USPTO/FTK-XXX.XXX.XXX.XX-201601241352320
27166-86884662-550b959d7aa396ba0e8d2c412
e0c59f4d49b6de8f1477f0bdb77b6162201ee940
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Rohit

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Split your monitor, double your productivity

SplitView lets you take full advantage of your widescreen or high resolution monitor by enabling you to work with multiple applications at the same time.

You don't need to fiddle with windows to move or resize them to fit your desktop. Neither do you need to keep alternating between windows using Alt-Tab or the taskbar for simple tasks like copy-pasting or comparing documents. SplitView **transforms a large single monitor system into a multi-monitor system** enabling you to focus on your work, not on window management.

Double (Vertical)   Double (Horizontal)   Triple (Vertical)   Quad

Triple (Major at Left)   Triple (Major at Right)   Triple (Major at Top)   Triple (Major at Bottom)

Multiple window configurations

SplitView supports multiple window configurations, easily accessible using keyboard shortcuts or caption buttons.

Two window configuration is perfect for comparing documents, copy-pasting from one application into another, web research or checking email while working on something else.

Three and four window configurations give you greater control to maximize your productivity and multitasking.

The one window configuration is always available when needed to focus on the task at hand, or when you need more real estate for an application.

EXHIBIT B

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About Us

VYOOH

Vyooh is an innovative software technology company that develops industry-leading software products for virtualization, server based computing and IT infrastructure management. By revolutionizing how information is processed, organized and presented, Vyooh has emerged as the trendsetter in increasing personal productivity as well as improving utilization of IT resources.

With its origins in Sanskrit, the word vyooh, pronounced "view", represents an arrangement, structure, or pattern. In the same spirit, Vyooh provides arrangement and structure to information assets using visually elegant informative patterns.

Our Products

SplitView enables a true multi-monitor experience with VMware VDI, Citrix (RDP and ICA), Terminal Services, Remote Desktop, HP RGS, Sun Ray ALP as well as other virtualization, remote desktop and thin client technologies. Additionally, SplitView provides several productivity boosting enhancements such as the ability to move windows efficiently between multiple monitors.

DiskView is the only disk space management and visualization solution that provides information when and where you need it - right within Windows Explorer. With it's comprehensive reports on disk usage and health, DiskView is becoming a necessity for managing enterprise computer systems. DiskView allows IT professionals to quickly identify opportunities for gains in efficiency and elimination of ineffective resource utilization by the clarity and flexibility found in its graphical representations.

Our Partners

Since inception in 2004, Vyooh has been a close Microsoft partner, having achieved the Microsoft Certified Partner status with a competency in ISV Software Solutions. Vyooh is also closely aligned with virtualization and server based computing technologies. Vyooh is a Technology Member in the Citrix Alliance Program and a featured member of the Citrix Ready program. Additionally, Vyooh is a VMware Technology Alliance Partner.

Vyooh products are recommended by Microsoft through it's Certified Product program, Citrix through it's Citrix Ready program and VMware through it's partner catalog and VDI deployment and best practices guides.

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EXHIBIT C

Vyooh is an innovative software technology company that develops industry-leading software products for virtualization, server based computing and IT infrastructure management. By revolutionizing how information is processed, organized and presented, Vyooh has emerged as the trendsetter in increasing personal productivity as well as improving utilization of IT resources.

With its origins in Sanskrit, the word vyooh, pronounced "view", represents an arrangement, structure, or pattern. In the same spirit, Vyooh provides arrangement and structure to information assets using visually elegant informative patterns.

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ViewScribe enables professional audio and video transcription on your PC using Windows Media Player as a full featured, audio/video transcription system, complete with support for Foot Pedal for hands-free variable rate playback control. ViewScribe works with all text editors, and numerous media formats supported by Windows Media Player.

Our Partners

Since inception in 2004, Vyooh has been a close Microsoft partner, having achieved the Microsoft Certified Partner status with a competency in ISV Software Solutions. Vyooh is also closely aligned with virtualization and server based computing technologies. Vyooh is a Technology Member in the Citrix Alliance Program and a featured member of the Citrix Ready program. Additionally, Vyooh is a VMware Technology Alliance Partner.

Vyooh products are recommended by Microsoft through it's Certified Product program, Citrix

through it's Citrix Ready program and VMware through it's partner catalog and VDI
deployment and best practices guides.

EXHIBIT D

Alex Padilla
California Secretary of State

🔍 Business Search - Entity Detail

The California Business Search is updated daily and reflects work processed through Monday, May 8, 2017. Please refer to document Processing Times for the received dates of filings currently being processed. The data provided is not a complete or certified record of an entity. Not all images are available online.

200820510249   VYOOH LLC

Registration Date:	07/22/2008
Jurisdiction:	CALIFORNIA
Entity Type:	DOMESTIC
Status:	FTB SUSPENDED
Agent for Service of Process:	BUSINESS FILINGS INCORPORATED (C2113485) *
Entity Address:	93 KANSAS ST #808 REDLANDS CA 92373
Entity Mailing Address:	*
LLC Management	Member Managed

Document Type ↕	File Date ⬇	PDF
SI-COMPLETE	10/17/2008	
REGISTRATION	07/22/2008	

* Indicates the information is not contained in the California Secretary of State's database.

Note: If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to Name Availability.
- If the image is not available online, for information on ordering a copy refer to Information Requests.
- For information on ordering certificates, status reports, certified copies of documents and copies of documents not currently available in the Business Search or to request a more extensive search for records, refer to Information Requests.
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E-Mail

Sales Enquiries: sales@splitview.com
SplitView Support: support@splitview.com

Note: Frequently asked questions related to sales, installation and configuration are in our FAQ section. The SplitView admin guide also contains additional technical information. Support is provided to customers who have purchased an active support contract. Please allow emails from support@splitview.com in your spam filter, to prevent legitimate emails from getting blocked. We never send unsolicited emails.

Mailing Address

17146 NE Sandy Blvd #INW-CQR
Portland, OR 97230

Feedback

We want to hear from you! Let us know your thoughts, opinions, queries and any bright ideas you would like to see implemented in SplitView.

Your full name: *

[text field]

Your e-mail address: *

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EXHIBIT F

Shorter Oxford
English Dictionary

ON HISTORICAL PRINCIPLES

Fifth edition

VOLUME 2 · N–Z

OXFORD
UNIVERSITY PRESS

into an adjacent part: repair (rigging) in this way. Also foll. by adverb or preposition. E16. ▸**b** Form (an eye or knot) in a rope by splicing it. L18.

2 verb trans. Join (timbers) with a scarf joint: join (girders, beams, etc.) by partly overlapping the ends and fastening them together; join (pieces of film, tape, etc.) by sticking together the ends. Also foll. by *together*. E17. ▸**b** gen. Unite, join. Also spec. (BIOLOGY), join or insert (a gene or gene fragment). E19.

3 slang. a verb trans. Join in marriage. Usu. in pass. M18. ▸**b** verb intrans. Get married. (Foll. by with.) L19.

⊡ **1** T. Haggard He found Dowdy in the boatswain's locker, splicing a section of wire cable. *splice the main-brace*: see *main-brace noun[1]* s.v. MAIN adjective. **2b** R. Frame She supplied—spliced into the narrative—some .. thoughts on character. A. Moorehead Howitt shot .. wild pigeons and .. spliced their tail feathers on to his own birds. **3a** C. Brooke-Rose I worked in an office before I got spliced.

▸ **B** noun. **1** An act of splicing; a strong joint made by splicing. E17. ▸**b** spec. CRICKET. The wedge-shaped tang of a bat-handle, forming a joint with the blade; this joint. E20.
2 Union by marriage; a wedding. slang. M19.

⊡ **1** K. Vonnegut The clumsy splice in the broken shoe-laces. **b** Daily Telegraph Pringle and Burns were dismissed .. giving catches off the splice. *sit on the splice* slang play a cautious defensive game.

Comb.: **splice-bar**: for joining the ends of rails on a railway; **splice-grafting**: in which the scion and stock are cut obliquely and bound firmly together; **splice-piece** = *splice-bar* above. ■ **splicer** noun a person who or thing which splices; spec. a mechanical device used to splice film or tape; M19. **splicing** noun (a) the action of the verb; (b) the spliced part of a rope etc.; a splice; E16.

spliff /splɪf/ noun. slang. Also **splif**. M20.
[Origin unkn.]
A cannabis cigarette.

splinder noun, verb see SPLINTER noun, verb.

spline /splʌɪn/ noun & verb. M18.
[Orig. East Anglian dial.: perh. rel. to SPLINTER noun.]
▸ **A** noun. **1** A long thin narrow piece of wood, metal, etc.; a slat. M18. ▸**b** spec. A flexible strip of wood, rubber, etc., used in drawing curves. L19.
2 A rectangular key fitting into grooves in the hub and shaft of a wheel etc. so as to allow movement of the wheel on the shaft; esp. one formed integrally with the shaft. Also, a corresponding groove in a hub along which the key may slide. M19.
3 MATH. A continuous curve constructed so as to pass through a given set of points and have continuous first and second derivatives. Also *spline curve*. M20.
▸ **B** verb trans. Fit or provide with a spline. L19.

splint /splɪnt/ noun & adjective. ME.
[Middle Low German splente, splinte, Middle Dutch splinte (Dutch splint): rel. to SPLINTER noun, but no cognates are recorded.]
▸ **A** noun. **1** Hist. Any of the plates or strips of overlapping metal making up a section of medieval armour. spec. either of a pair of armour plates for protecting the elbows. ME.
2 A long thin (rigid or flexible) strip of wood used in basketwork etc.; a lath; spec. a thin piece of wood or other material used to light a fire, pipe, etc. ME.
3 A fragment, a chip, a splinter. Now chiefly north. L/ME. ▸**b** spec. A fragment of diamond. S. Afr. L19.
4 SURGERY. A strip of rigid material used to support and immobilize an injury, esp. a broken limb etc. when set. L/ME.
5 VETERINARY MEDICINE. Growth or hardening due to damage of the ligaments attached to the splint-bones of a horse's leg, usu. on the inside of the leg along the line of union of the splint-bones with the cannon-bone; an instance of this. E16.
6 In full *splint-coal*. A hard bituminous laminated coal which burns with great heat. L18.

Comb.: **splint-bone** (a) = sense 5 above; (b) either of the two small metacarpal or metatarsal bones of the leg of a horse, lying behind and close to the cannon-bone or shank.
▸ **B** attrib. or as adjective. Of or made from splints. M19. ■ **splinty** adjective (now rare) of a splintery texture; of the nature of splint or splint coal; E17.

splint /splɪnt/ verb. L/ME.
[from the noun.]
1 verb trans. Fit a surgical splint to (a broken limb etc.); immobilize by means of a splint or splints. L/ME. ▸**b** fig. Strengthen or support as with a splint or splints. M17.
†**2** verb trans. Cover, provide, or make with splints or thin strips of wood etc. E16–M17.
†**3** verb trans. Cut (wood etc.) into splints; split apart or in two. L16–E17.

⊡ Daily Telegraph She .. splinted the man's badly frac[tured] .. with pieces of metal.

■ **splintage** noun the application or use of surgical splints L19. **splinting** noun (a) the action of the verb; (b) material for a splint or splints; L/ME.

splinter /ˈsplɪntə/ noun & adjective. ME.
[Middle & mod. Dutch (earlier also splenter), Low German splinter, splenter: rel. to SPLINT noun.]
▸ **A** noun. Also (chiefly Scot.) **splinder** /ˈsplɪndə/.
1 A small thin sharp-edged piece of wood, glass, bone, etc., broken off from a whole, esp. as the result of impact; a tiny needle-like sliver of wood; a chip, a fragment, esp. one from a bursting shell or bomb. ME. ▸**b** fig. A very small piece or amount (of something). Usu. in neg. contexts. E17. ▸**c** A splinter group (see sense B. below). Chiefly US. M20.
2 = SPLINT noun 4. obsolete exc. dial. L16.
3 = SPLINT noun 2. Now rare. M17.

⊡ **1** J. Hersey His desk was in splinters all over the room. A. Carter A jagged splinter of glass. J. Kosinski A sharp splinter of broken bone protruded. H. Norman She ran her hand over the .. table, then acted as if she had picked up a splinter. **b** Shakes. Tr. & Cr. Grecian dames are .. not worth The splinter of a lance. Z. N. Hurston There was a splinter of regret in his voice.

Comb.: **splinter-bar** (a) a crossbar in a carriage etc. fixed across the head of the shafts and to which the traces are attached; (b) a swingletree; **splinter bid** BRIDGE an unusual jump bid showing a singleton or void in the suit bid; **splinter-deck** an armour-plated deck on a ship; **splinter haemorrhage** a narrow elongated bleeding cut, resembling one produced by a splinter; **splinter-netting** NAUTICAL HISTORY of small rope spread on board a warship to give protection from falling splinters;
▸ **B** adjective. Designating or pertaining to a group, party, etc., which splits off from a larger political etc. group to form an independent entity. M20.

⊡ Times The Cabinet is made up of an uneasy coalition of splinter parties. Cincinnati Enquirer A terrorist splinter group of Palestinians.

splinter /ˈsplɪntə/ verb. Also (earlier, long rare) **splinder** /ˈsplɪndə/. L/ME.
[from the noun.]
1 verb trans. & intrans. Break into splinters or so as to leave a rough jagged edge. L/ME. ▸**b** verb intrans. Break away to form a splinter group. M20.
†**2** verb trans. = SPLINT verb 1. Also foll. by up. Long obsolete exc. Canad. dial. L16.

⊡ **1** G. R. Sims The rotten woodwork splintered away from the boat. R. Hughes The furniture was splintered into matchwood. K. Waterhouse The chocolate covering splintered like an eggshell. fig.: P. L. Fermor The sun splintered down through a colander of leaves.

splinter-proof /ˈsplɪntəpruːf/ noun & adjective. E19.
[from SPLINTER noun, verb + PROOF adjective.]
▸ **A** noun. MILITARY. A structure giving protection from the splinters of bursting shells. E19.
▸ **B** adjective. **1** MILITARY. Capable of withstanding the splinters of bursting shells. M19.
2 Of glass: that does not produce splinters when broken. M20.

splintery /ˈsplɪntərɪ/ adjective. L18.
[from SPLINTER noun, verb + -Y[1].]
1 Of a mineral's fracture: characterized by the production of small splinters. L18.
2 Of stone, a mineral, etc.: breaking or separating easily into splinters; spec. having a splintery fracture. E19. ▸**b** Of a rock: rough, jagged. L19.
3 Resembling a splinter in shape or form. M19.
4 Full of splinters. M19.

splirt verb see SPLURT.

splish-splash /ˈsplɪʃsplaʃ/ verb & noun. colloq. E18.
[Redupl. of SPLASH verb[1] with vowel variation.]
▸ **A** verb intrans. Splash repeatedly. E18.
▸ **B** noun. A thing that makes a splashing noise; a large or noisy splash. E19.
■ **splishy-splashy** adjective sloppy, slushy M19.

split /splɪt/ noun. L16.
[from SPLIT verb or adjective.]
1 A narrow break or opening made by splitting; a cleft, a crack, a rent. L16. ▸**b** techn. An angular groove cut on a glass vessel. M19.
2 a A piece of wood separated or formed by splitting (now US); spec. (a) a split osier etc. used for parts of basketwork; (b) Canad. dial. a piece of kindling (usu. in pl.). E17. ▸**b** WEAVING. Each strip of steel, cane, etc., in the reed of a loom. Orig. Scot. M18. ▸**c** A single thickness of split hide. M19.
3 The action or process of splitting; an instance of this; the state of being split; spec. (a) a rupture or division in a party, sect, etc.; a party etc. formed by this; (b) BOTANY (colloq.) = SEGREGATE noun 1. E18. ▸**b** = *split-up* s.v. SPLIT verb. US. L20.
4 An informer; a police officer. slang. E19.
5 a In pl. & (rare) sing. A feat in which the legs are extended in opposite directions (to front and back, or to each side) and the body lowered to the floor. M19. ▸**b** WEIGHTLIFTING. The action or technique of thrusting forward with one foot and backward with the other

during a lift; an exercise or lift during which this is done. M20.
6 A share of the proceeds from a legal or esp. illegal undertaking. slang. L19.
7 a A half-bottle of mineral water or other (fizzy) drink; a half-bottle of champagne; a half-glass of liquor. L19. ▸**b** A dessert consisting of sliced fruit (esp. banana, split open lengthways), ice-cream, syrup, etc. Usu. with specifying word. E20. ▸**c** A split roll or bun. E20. ▸**d** A split-level house. N. Amer. L20.
8 CROQUET. = *split shot* s.v. SPLIT adjective. L19.
9 SPORT. A draw. US. M20.
10 SPORT. The time taken to complete a recognized part of a race. M20.

⊡ **1** B. Hines Billy linked his fingers, placed his thumbs together and blew into the split between. **2a** New Yorker I lay a split of birch on the coals. **3** Times A dispute .. reflecting a deep split within the .. administration. **5** Daily Telegraph Backstage .. where dancers sit reading a novel while doing the splits.

split /splɪt/ adjective. M17.
[from SPLIT verb.]
1 That has split or been split; (of a surface) exposed by splitting. M17.
2 Deeply divided by a long narrow cleft; made or formed in two or more narrowly separated parts. M19.

⊡ **1** U. Holden Their cases were cardboard, split and broken.

Special collocations & comb.: **split-arse** adjective (Military slang, arch.) (of an airman) reckless. **split beam** a beam of radiation etc. that has been split into two or more components, esp. as used in a radar technique in which a single aerial transmits alternately two beams slightly displaced from each other in order. **split bearing** MECHANICS. made in halves for ease of assembly. **split beaver** slang a picture or pose in which a woman's genitals are fully displayed. **split-brain** adjective (of a person or animal) having the corpus callosum severed or absent, so as to eliminate the main connection between the two hemispheres of the brain. **split decision** BOXING. made on points in which the judges and referee are not unanimous in their choice of a winner. **split-dose** adjective (MEDICINE) designating a technique of administering ionizing radiation in several exposures to reduce the harmful effects of a single large dose. **split end** (a) a hair which has split at the end through dryness etc. (usu. in pl.); (b) AMER. FOOTBALL an end positioned at some distance from the rest of the formation. **split-field** = *split-image* below. **split flap** AERONAUTICS: occupying only the lower part of the wing thickness. **split gear**, **split pulley**, **split wheel**: made in halves for removal from a shaft. **split graft** = *split-skin graft* below. **split-half** (STATISTICS) a technique of splitting a body of supposedly homogeneous data into two halves and calculating the results separately for each to assess their reliability. **split-image** an image in a rangefinder, camera focusing system, etc., that has been bisected by optical means, the halves being aligned only when the system is in focus. **split infinitive** a phrase consisting of an infinitive with an adverb etc. inserted between to and the verb (e.g. to boldly go). **split jeté**. **split jump** a jump in skating during which the legs are momentarily kicked out into the splits position. **split-level** adjective (a) (of a building) having a room or rooms a fraction of a storey higher than other parts; (of a room) having a floor on two levels; (b) (of a cooker) having the oven and hob in separately installed units. **split mind** a mind holding contradictory or conflicting attitudes or desires. **split-minded** adjective having a split mind. **split page** US the front page of the second section of a newspaper. **split pea** dried and split in half for cooking. **split personality** the alteration or dissociation of personality occurring in some mental illnesses, esp. schizophrenia and hysteria. **split-phase** adjective (ELECTRICITY) designating a device, esp. an induction motor, that utilizes two or more voltages at different phases produced from a single-phase supply. **split pin** a metal pin with two arms passed through a hole and held in place by the springing apart of the arms. **split pulley**: see *split gear* above. **split rail** a fence rail split from a log (freq. in *split-rail fence*). **split ring** a small steel ring with two spiral turns, such as a key-ring. **split run** a press run of a newspaper in which some issues contain copy, advertisements, etc., not carried by other parts. **split-screen**: on which two or more images are displayed simultaneously in different parts. **split shift** comprising two or more periods of duty separated by an interval or intervals of several hours. **split shot**. **split stroke** CROQUET a stroke driving two touching balls in different directions. **split-skin graft** MEDICINE a skin graft which involves only the superficial portion of the thickness of the skin. **split stitch** an embroidery stitch in which the needle is passed through the thread. **split stroke**: see *split shot* above. **split stuff** Austral. timber sawn into lengths and then split. **split ticket** US: on which the voter has voted for candidates of more than one party. **split time** SPORT = *split noun* 10. **split tin (loaf)** a long loaf of bread split lengthways on top. **split wheel**: see *split gear* above.

split /splɪt/ verb. Orig. NAUTICAL. Infl. -tt-. Pa. t. & pple **split**, †**splitted**. L16.
[Middle & mod. Dutch splitten rel. to splieten (cf. SPLET), Old Frisian splita, Middle-Low German, Middle Dutch splīten, Middle High German splīzen (German spleissen split, cleave): ult. origin unkn. Cf. German spliten (German spleissen split, cleave): ult. origin unkn. Cf. SPLAT verb[1], SPLET verb[1].]
1 a verb trans. Of a storm, rock, etc.: break up (a ship). Usu. in pass. Now passing into sense 3. L16. ▸**b** verb intrans. Of a ship: break up or be wrecked on a rock or by the violence of a storm. Now passing into sense 3. L16. ▸**c** verb intrans. & trans. (in pass.). Suffer shipwreck. Now rare or obsolete. E17.
†**2** verb intrans. Go to pieces. L16–E17.

3 *verb intrans. & trans.* (Cause to) break into two parts, esp. lengthwise, as a result of or by means of force: (cause to) burst asunder. L16. ▸**b** *verb trans. NAUTICAL* (Of the wind) tear (a sail); (of a vessel or its occupants) have (a sail) torn by the wind. E17. ▸**c** *verb trans. AGRICULTURE* Plough (a ridge) so as to throw the furrow-slice outward. E19. ▸**d** *verb intrans. fig.* Of the head: suffer great pain from a headache, noise, etc. M19.

4 a *verb trans.* Divide or share between two or more people etc. L17. ▸**b** *verb trans. & intrans.* Divide or separate into parts. E18. ▸**c** *verb trans. & intrans. CARDS.* Divide (a dealt pair) to start two new hands. M19. ▸**d** *verb intrans. & trans. SPORT.* Draw, tie. US. L20.

5 *verb trans. & intrans.* Divide or separate into parties, factions, etc., esp. through discord or disagreement. E18. ▸**b** *verb intrans.* Quarrel or cease association with a person. *slang.* M19. ▸**c** *verb intrans.* Of a couple: separate, part. Freq. foll. by *up. colloq.* M20.

6 *slang.* **a** *verb intrans.* Betray secrets; inform (on). L18. ▸**b** *verb trans.* Disclose, reveal. *rare.* M19.

7 *verb intrans.* Run, walk, etc., at great speed. *arch. colloq.* L18.

8 *verb intrans. & trans.* Leave, depart (from), esp. suddenly. *slang.* E20.

9 *verb trans.* Dilute (whisky etc.) with water. *US colloq.* M20.

🎔 **3** S. P. WOODWARD The Stone that is Slaty . . will split only lengthways or horizontally. E. FERBER He reached for a hot-biscuit and split it and placed . . butter in the centre. A. TYLER Two men were splitting logs. P. ABRAHAMS She . . knocked her down..splitting her lip. 4a G. PALEY Puff-taking a cab, said Livid. I'll split it with you, said Pallid. *New Yorker* We would . . split a litre of Chianti. **b** W. PALEY To facilitate the maintenance of families by . . splitting farms. F. O'CONNOR Mrs Watts's mouth split in a wide . . grin. l. MURDOCH The firm had split into two parts. J. RABAN The roomful of people split down the middle. B. MOORE The others split off and turned Proclamation Avenue. **5** D. FRASER Local insurgents were split into Communist and anti-Communist groups. P. CAREY The very basis of . . society . . cracked and split apart. **c** Verue His parents split up a year ago. **6** L. CODY If . . you ever split on me. I'll make you very sorry. **8** J. UPDIKE Mom, I got to split Where's your car keys?

Phrases: **split hairs:** see HAIR *noun.* **split one's sides:** see SIDE *noun.* **split one's vote** US = **split the ticket** below. **split the atom:** see ATOM *noun* 6. **split the difference:** see DIFFERENCE *noun.* **split the ticket** US vote for candidates of more than one party. **split the vote** (of a candidate or minority party) attract votes from another so that both are defeated by a third.

Comb.: **split-down** us STOCK EXCHANGE the combination of two or more stocks into one stock of the same total value (cf. **split-up** below); **split-up** an act of splitting up; *spec.* (us STOCK EXCHANGE) the division of a stock into two or more stocks of the same total value (cf. **split-down** above).

split-new /ˈsplɪtnjuː/ *adjective.* L17.
[App. from SPLIT *noun* or *verb.*]
Brand-new.

split-second /splɪtˈsɛk(ə)nd/ *adjective & noun.* As noun also **split second.** L19.
[Abbreviation of *split seconds hands*.]
▸ **A** *adjective.* **1** Designating a stopwatch with two second hands, each of which may be stopped independently of the other. L19.
2 Occurring, done in, or lasting a fraction of a second; extremely brief or short-lived. M20.

🎔 **2** *City Limits* The split-second choice of saving her jazz collection or her photographs from the Blitz.

▸ **B** *noun.* A fraction of a second; a very brief moment of time. E20.

🎔 M. DICKENS In a split second she saw it coming.

†**splitted** *verb pa. t. & pple:* see SPLIT *verb.*

splitter /ˈsplɪtə/ *noun.* E17.
[from SPLIT *verb* + -ER¹.]
1 A person who splits; *spec.* (a) a person employed in splitting fish; (b) *Austral.* a person whose occupation is cutting timber to make posts, rails, etc. E17. ▸**b** A person (esp. a taxonomist) who attaches importance to differences rather than similarities in classification or analysis and so favours subdivision. Cf. LUMPER *noun* 3. L19.
2 A machine, instrument, etc., which splits something; *spec.* (a) an auxiliary set of gears that provides a set of ratios between those of the main gearbox; (b) a device for sending a received electric current or signal along two or more routes. M20.
3 A splitting headache. *colloq.* M19.
4 A first-rate hunt. *Hunting slang.* Now *rare.* M19.

splitter /ˈsplɪtə/ *verb intrans. rare.* M19.
[from SPLIT *verb* + -ER², or German *splittern.*]
Break into fragments.

splitting /ˈsplɪtɪŋ/ *noun.* L16.
[from SPLIT *verb* + -ING¹.]
1 The action of SPLIT *verb.* L16.
2 In *pl.* Pieces produced by splitting. M19.
Comb.: **splitting field** MATH. the least field which includes all roots of a specified polynomial.

splitting /ˈsplɪtɪŋ/ *ppl adjective.* L16.
[from SPLIT *verb* + -ING².]
1 Causing or undergoing splitting. L16.
2 Of a noise: very loud or piercing; ear-splitting. E19.
3 Of a headache: very painful, severe. E19.
4 Very fast. E19.

splittism /ˈsplɪtɪz(ə)m/ *noun.* M20.
[from SPLIT *noun* + -ISM, translating Chinese *fenlie zhǔyi*.]
The pursuance of factional interests in opposition to official Communist Party policy.
■ **splittist** *noun & adjective.* (a) *noun* a person who practises splittism; (b) *adjective* of or pertaining to splittists or splittism. M20.

splodge /splɒdʒ/ *noun.* M19.
[limit., or alt. of SPLOTCH *noun.*]
A large irregular spot or patch of colour etc.; a blot, a smear, a stain.

🎔 B. BAINBRIDGE There was a grey splodge on . . his hat where a pigeon had done its business.

splodge /splɒdʒ/ *verb.* M19.
[In sense 1 limit.; in sense 2 from the noun.]
1 *verb intrans.* Trudge or plod splashily through mud or water. Now *dial.* M19.
2 *verb trans. & intrans.* Make a splodge or splodges (on); cover with splodges. Cf. earlier SPLOTCH *verb.* M20.

🎔 **2** *Daily Telegraph* It doesn't splodge or spill. P. D. JAMES Tears had started to flow . . splodging the packets of cereal.

splodgy /ˈsplɒdʒi/ *adjective.* M19.
[from SPLODGE *noun* + -Y¹.]
Covered with splodges.
■ **splodgily** *adverb* M20.

splore /splɔː/ *noun & verb. Scot.* L18.
[Origin unkn.]
▸ **A** *noun.* **1** A frolic, a revel. L18.
2 A commotion, a disturbance; a scrape, an escapade. L18.
▸ **B** *verb intrans.* Revel; riot; make a commotion. L18.

splosh /splɒʃ/ *noun, adverb, & verb.* M19.
[limit.]
▸ **A** *noun.* **1** A dull splashing sound (as) of an object striking something wet and soft; an impact of this kind. Also, a splodge. *colloq.* M19.
2 Money. *slang.* L19.
3 Tea (the drink). *slang.* M20.

🎔 **4** J. BARNES A discreet splosh as the bel-fishermen cast off. D. HOGAN Sploshes of freckles on her face.

▸ **B** *adverb.* With a dull splashing sound. *colloq.* L19.
▸ **C** *verb intrans. & trans.* Splash; move with a dull splashing sound. *colloq.* E20.

🎔 W. FAULKNER The coffee sploshed out on to her hands. C. BUCHANAN Biscuit sploshed her glass down on the table.

■ **sploshy** *adjective* sloppy, splashy. M19.

splotch /splɒtʃ/ *noun & verb.* E17.
[Perh. blend of SPOT *noun* and PLOTCH *noun.* Cf. SPLATCH.]
▸ **A** *noun.* = SPLODGE *noun.* E17.

🎔 B. BOVA Splotches of angry red appeared on his pallid cheeks. A. LURIE Pale-green splotches of paint . . could be meant for grass.

▸ **B** *verb trans.* Make a splotch or splotches on, cover with splotches. M17.

🎔 J. DIDION His face and . . shirt were splotched with dust.

■ **splotchy** *adjective* covered with splotches; resembling a splotch. M19.

splunge /splʌn(d)ʒ/ *verb intrans. dial. & US.* M19.
[limit.]
Plunge.

splurge /splɜːdʒ/ *noun & verb. Orig. US.* E19.
[Symbolic.]
▸ **A** *noun.* **1** An ostentatious display or effort; *spec.* (JOURNALISM) a large or showy advertisement, feature, etc. E19.
2 A sudden extravagant indulgence, esp. in spending. E20.

🎔 **1** B. POUND Chin-Tsong lived soberly With no splurge of table or costumes. 2 N. MAILER Nicole went on a splurge and bought coloring books and crayons.

▸ **B** *verb.* **1 a** *verb intrans.* Make an ostentatious display. M19. ▸**b** *verb intrans. & trans.* Spend (money) extravagantly (on). M20.
2 *verb intrans. & trans.* Splash heavily or clumsily. L19.

🎔 **1b** D. ATHOS Mary had splurged unmanageable wall-papers. Which? If Christmas money is unchanged, . . on the latest craze. **2** J. GRIMOND Sunsets splurge across the sky colours . . no painter would dare to use.

■ **splurgy** *adjective* showy, ostentatious M19.

splurt /splɜːt/ *verb intrans. Chiefly dial.* Also (earlier) **splirt.** L18.
[limit.]
Spurt (out); spit out something.

🎔 *fig.* Drive Commentators splurting out . . accounts of football matches.

splutter /ˈsplʌtə/ *noun & verb.* L17.
[limit. Cf. SPUTTER *noun, verb.*]
▸ **A** *noun.* **1** A commotion, a fuss. Now *dial.* L17.
2 Vehement and confused speech; an instance of this. L17.
3 A loud spitting or choking noise. E19.

🎔 **2** T. H. HUXLEY Dinner . . with a confused splutter of German talk; . . my right. **3** B. FRAME 'She's barmy,' Margot said, . . stifling her splutters of laughter.

▸ **B** *verb.* **1** *verb trans. & intrans.* Utter or talk hastily and indistinctly with spitting or choking sounds. Also foll. by *out.* E18.
2 *verb intrans.* Make a loud spitting or choking noise. E19.
3 a *verb trans.* Scatter in small splashes; eject with a splutter. M19. ▸**b** *verb trans.* Bespatter (a person). M19. ▸**c** *verb intrans.* Of a pen: scatter ink when used. M19.

■ **splutterer** *noun* M19. **splutteringly** *adverb* in a spluttering manner M20. **spluttery** *adjective* suggestive of spluttering M19.

spod /spɒd/ *noun. slang, derog.* L20.
[Origin unkn.]
A dull or socially inept person, esp. someone who is excessively studious; a nerd.
■ **spoddy** *adjective* L20.

Spode /spəʊd/ *noun.* M19.
[Josiah Spode (1754–1827), English maker of china.]
(Proprietary name for) a make of fine pottery or porcelain.

spodic /ˈspɒdɪk/ *adjective.* M20.
[from Greek *spodos* ashes, embers + -IC.]
SOIL SCIENCE Designating an illuviated soil horizon that is rich in aluminium oxide and organic matter and usu. also contains iron oxide.

spodium /ˈspəʊdɪəm/ *noun.* Now *rare* or *obsolete.* LME.
[Latin from Greek *spodion* = *spodos* ashes, embers.]
A fine powdery ash obtained from various substances by calcination.

spodomancy /ˈspɒdəmansɪ/ *noun. rare.* M19.
[formed as SPODIC + -O- + -MANCY.]
Divination by ashes.

Spodosol /ˈspɒdəʊsɒl/ *noun.* M20.
[formed as SPODIC + -SOL.]
SOIL SCIENCE A soil of an order characterized by a spodic horizon and including most podzols and podzolic soils.

spodumene /ˈspɒdjuːmiːn/ *noun.* E19.
[French *spodumène*, German *Spodumen*, from Greek *spodoumenos* pres. pple of *spodousthai* be burnt to ashes, from *spodos* ashes, embers.]
MINERALOGY A monoclinic lithium aluminosilicate occurring as translucent, usu. greyish-white, crystals and important as a source of lithium.

spoffish /ˈspɒfɪʃ/ *adjective. arch. slang.* M19.
[Origin unkn.: see -ISH¹.]
Fussy, officious.

spoil /spɔɪl/ *noun.* ME.
[Aphet. from Old French *espoille,* from *espoiller:* see next.]
1 *sing. &* (now usu.) in *pl.* Goods, valuables, territory, etc., taken forcibly from an enemy or place, as in war; property etc. seized by force or acquired by confiscation; booty, loot, plunder; *spec.* weapons and armour stripped from a dead or defeated enemy. Freq. in the *spoils of war.* ME. ▸**b** *transf. sing. &* (now usu.) in *pl.* That which has been acquired or collected by special effort or endeavour. M18. ▸**c** *sing. &* (usu.) in *pl.* Profit, advantage, advancement, etc., gained by succession to or connection with public office or high position. Chiefly *US.* L18.
2 a The action or practice of pillaging; rapine, spoliation. *arch.* ME. ▸**b** An act or occasion of pillaging; a raid or incursion for the sake of booty. M16–M17.
3 †a An act or instance of spoiling or damaging something; an injury. (Foll. by *of.*) M16–E18. ▸**b** The action or fact of spoiling or damaging something; damage, destruction. (Foll. by *of.*) Now *rare.* L16. ▸**c** A thing that is spoiled, damaged, or imperfectly made. L19.
4 An object of pillage; a plundered article. *arch.* L16.
5 a *sing. &* in *pl.* The cast or stripped-off skin of an animal, esp. a snake; a pelt; a slough. *arch.* E17. ▸**b** In *pl.* The remains of an animal body; the parts left intact or uneaten. *arch.* L17.
6 Waste material thrown or brought up in excavating, mining, dredging, etc. M19.

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b **but**, d **dog**, f **few**, ɡ **get**, h **he**, j **yes**, k **cat**, l **leg**, m **man**, n **no**, p **pen**, r **red**, s **sit**, t **top**, v **van**, w **we**, z **zoo**, ʃ **she**, ʒ **vision**, θ **thin**, ð **this**, ŋ **ring**, tʃ **chip**, dʒ **jar**

EXHIBIT G

THE OXFORD ENGLISH DICTIONARY

SECOND EDITION

Prepared by.

J. A. SIMPSON *and* E. S. C. WEINER

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Studies in Vietnamese (Annamese) grammar. **1951** *Vietnam: Old Nation—Young State* (U.N.), As a result the Vietnamese language developed considerably and was able to free itself entirely from Chinese influence. **1962** E. SNOW *Other Side of River* (1963) lxxxv. 685 Gracey refused to see Vietnamese leaders who wished to negotiate terms of cooperation for disarming the Japanese. **1969** *Listener* 12 June 814/3 Whenever I see the members of the village council, I say to them: 'I'm not here to teach you what to do. I'm not Vietnamese. I don't look like you. I don't even speak your own language. You've got to make your own decisions.' **1977** *Early Music* July 365/2 (*caption*) Trin Van Khe playing the Vietnamese fiddle. **1983** P. NIESEWAND *Scimitar* xi. 247 It was an excellent meal, starting with.. Vietnamese spring rolls..and finally squirrel fish, a whole baked fish.

B. *sb.* **a.** A native, *collect.* the natives, of Vietnam. **b.** The language of this people, considered by some philologists to belong to the Mon-Khmer family.

1947 H. R. ISAACS *New Cycle in Asia* viii. 157 Matters came to a head in Hanoi on December 19, 1946, when clashes in that city resulted in generalized warfare... The French charged that the Vietnamese were the instigators of the outbreak. **1950** *Times* 25 Apr. 7/2 The new State of Viet Nam has to rely so much on foreign support that many patriotic Vietnamese hold back or join with the Communists. **1953** W. W. GAGE (*title*) Verb constructions in Vietnamese. **1965** *New Statesman* 30 Apr. 680/2 As a Vietnamese, I feel I have the right to express my resentment at the US air raids on Vietnam. **1972** M. SHEPPARD *Taman Indera* 3 The people whom we now know as Chinese, Thais, Khmers, Vietnamese and Malays. **1978** E. TIDYMAN *Table Stakes* II. i. 141 He..shouted a string of orders in Vietnamese.

Vietnamize ('viːɛtnəmaɪz), *v.* [f. *Vietnam* (see prec.) + -IZE.] *trans.* To give a Vietnamese character to; to make Vietnamese; to transfer to Vietnamese (esp. as opposed to American) influence or control. (This now *Hist.* only.)

1957 *Holiday* Aug. 119/1 Cholon's Chinese ebullience has definitely quieted down as a result of Diem's drive to 'Vietnamize' the Chinese. **1969** *Daily Tel.* 25 Oct. 5/3 It was learned..that America had handed over another base to South Vietnam. Two of the United States major port facilities, including the one in Saigon, were next on the list to be 'Vietnamised'. **1972** *Nature* 22 Sept. 185/2 Last week's statement..criticizes the policy of the United States in 'Vietnamizing' the war.

Hence **Vietnami'zation**, **'Vietnamizing** *vbl. sb.*

1957 *Holiday* Aug. 119/3 When the new idea of 'Vietnamization' is being fostered in the country..it is not surprising the Vietnamese prefer to approach..foreigners with care and reticence. **1969** *Daily Tel.* 11 Oct. 18/1 The Vietnamisation of the war continued with the transfer of 80 United States Navy river patrol boats to the South Vietnamese Navy. *Ibid.* 18 Nov. 14/4 The price for 'Vietnamising' the war.. is clearly a Vietnamising of the country's politics as well. **1972** F. FITZGERALD *Fire in Lake* xvi. 404 'Vietnamization', the ironic name for the slow withdrawal of American ground troops and the buildup of Vietnamese armed forces to fight an American-directed war in their stead. **1980** *Word* 1979 XXX. 125 The Committee also identified such new problems as..the Vietnamization of foreign terms.

Vietnik ('viːɛtnik). orig. *U.S.* [f. *Viet*(*nam* + -NIK after *beatnik*.] (A usu. pejorative term applied to) an active opponent of American military involvement in the war between North and South Vietnam. Also *attrib.* Cf. PEACENIK.

1965 *Time* 22 Oct. 25A/1 A ragtag collection of unshaven and unscrubbed—they could be called Vietniks—turned out last weekend to promote the most popular new anti-cause. *Ibid.*, The Vietnik rallies—which also attracted some tweedy faculty members..—seemed to bear out a Senate Internal Security report issued last week. **1966** *Wall St. Jrnl.* 31 Mar. 18/2 If the Communists believe that draft-card-burners and other Vietniks represent majority American opinion, they are simply misinformed. **1969** *T.V. Times* (Brisbane) 4 June 6/1, I am opposed to the Vietniks who want us to get out... I saw too many twisted bodies of women and children, mutilated by the Vietcong. **1977** *Time* 18 Apr. 47/2 Sometimes the argument has sounded like a replay of old Vietnik protests.

‖**vieux** (vjø), *a.* The Fr. word for 'old', used in various idiomatic phrases, as *vieux jeu* (ʒø) [lit. 'old game'], (something or someone) old-fashioned, hackneyed, outmoded, 'old hat'; *vieux marcheur* (marʃœr) ['old campaigner', f. *Le Vieux Marcheur* (1909), a play by Henri Lavedon], an elderly womanizer; also *transf.*; *vieux port* (pɔr) ['old port'], the old harbour area of a modern French seaport; *vieux rose* (roz) ['old rose'] = OLD ROSE b.

[**1888** H. JAMES *Reverberator* II. iii. 57 His father..didn't think it well painted... 'Poor dear papa, he only understands *le vieux jeu*!' **1891** M. S. VAN DE VELDE *French Fiction of Today* I. i. 7 Their contempt for what they call vieux jeu.] **1896** MRS. H. WARD *Sir George Tressady* II. xvi. 361 'Did you see the new piece at the Français?' He made a face. 'Not-I! One couldn't be caught by such *vieux jeu* as that!' **1900** G. MURRAY *Let.* 30 July in G. B. Shaw *Coll. Lett.* (1972) II. 181 Cæsar..did not invent the sarcasm of calling the soldiers 'Citizens'. It was vieux jeu. **1918** R. FRY *Let.* 14 Oct. (1972) II. 435 We are *vieux jeu* and incorrigibly nineteenth century. **1955** *Times* 30 June 15/1 Are not dilatory bus drivers and conductors by now somewhat vieux jeu? **1972** M. GLENNY tr. *Solzhenitsyn's August 1914* lxii. 600 To indulge in arguments with hostile, half-baked youth struck him as *vieux jeu* and boring. **1975** *Harper's & Queen* June 128/3 Henri's parents are very French vieux jeu... My mother-in-law talks about Louis XV as though she knew

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him. **1920** G. B. SHAW *Shaw on Theatre* (1958) 133 All the young men are cads and cowards, all the old men *vieux marcheurs*. **1937** *Times Lit. Suppl.* 16 Jan. 39/1 Of all the vieux marcheurs in nature, the cock pheasant has almost the worst reputation. **1940** G. ARTHUR *Concerning Winston Spencer Churchill* 108 The immortal hero of Khartum—so ran an odious whisper—was addicted to the brandy bottle; Mr. Gladstone, so it was vulgarly suggested, pursued paths associated with a *vieux marcheur*. **1945** E. WAUGH *Brideshead Revisited* I. ii. 44 Those leprous façades in the vieux port at Marseille. **1957** 'P. QUENTIN' *Suspicious Circumstances* xvii. 198 The lights on all the boats moved in the Vieux Port. **1981** 'D. RUTHERFORD' *Porcupine Basin* i. 11 Be at the Café des Voyageurs in the *vieux port*... Take a table on the *terrasse*. **1890** *Girl's Own Paper* 11 Oct. 31/2, I should get your village dressmaker..to make you a *vieux rose* zephyr dress. **1916** *Daily Colonist* (Victoria, B.C.) 1 July 12/3 The colors include white..old rose, gold..vieux rose, mid-brown, [etc.]. **1941** E. BOWEN *Look at Roses* 55 Light blared on the *vieux rose* curtains.

view (vjuː), *sb.* Forms: 4-6 vewe, 5-7 vew, 6 veu(e, vue; 5, 7 vywe, 5-7 viewe (6 veiwe), 5-8 vieu (6 vieue, 8 viue), 5- view. [a. AF. *vewe*, *veue*, *vue*, *vieue*, *view*, = OF. *veue* (F. *vue*), ppl. sb. from *veoir* (F. *voir*) to see. The OF. *veüe* corresponds exactly to It. *veduta* in the same sense.]

I. 1. a. A formal inspection or survey of lands, tenements, or ground, for some special purpose. Now *rare* or *Obs.*

1415-6 in *Madox Form. Ang.* (1702) 16 Wee [masons and carpenters], beyng Vewers for the tyme of the seid Cite, have to these Vewes afore written, putte our sealles. *c* **1450** *Oseney Register* 123 We schall yeve to them sufficient Eschaunge, by the vewe of lawfull men, in my othir londes to a conuenient vewe. **1509** *Sel. Cases Star Chamber* (Selden) II. 7 As it apperith by the viewe and ouerseyng [of the fields] takyn by maister Brudenell one of the kynges Justeses. **1523** FITZHERB. *Surv.* 15 b, The vieu of the maner of Dale taken the tenth day of May, the .xiiii. yere of the raygne of kyng Henry the .viii. **1607** J. NORDEN *Surv. Dial.* I. 21 It is true that you say, such a view was taken at the time, that euery Tribe might haue his portion of inheritance. **1622** CALLIS *Stat. Sewers* (1647) 80 There is a diversity between a view and a survey, for by the view one is to take notice only by the eye, but to survey is..by using other ceremonies and circumstances. **1834** LINCOLN, etc., in Nicolay & Hay *Life* (1890) I. 119 *note*, We..respectfully report that we have performed the duties of said view and location [of a road], as required by law, and that we have made the location on good ground.

†**b.** A formal examination or inspection of something, made by a properly appointed or qualified person; the charge or office of inspecting something. *Obs.*

In early quots. denoting the submitting of accounts to inspection. The sense in quot. 1654 is not quite clear. *view of frank-pledge:* see FRANK-PLEDGE 1 b.

1454 *Rolls of Parlt.* V. 273/1 That the Collectours..paye the money..in youre seid Reseit, and make the views of their accomptz. **1472** *Paston Lett.* III. 49 And on Saturday next comyng he shall send me a vewe of hys acompte. **1497** *Naval Acc. Hen. VII* (1896) 83 It semeth necessarie that another viewe be taken of all the Kynges said ordenaunces within his said Tour of London. **1520** *Coventry Leet Bk.* 674 A veu was takon by the said Maier and his brethren what stores of all Maner of Corne, and what nombre of people was then whithin the said Cite. **1538** *Cartular. Abb. de Rievalle* (Surtees) 353 The office of the ferme gathering in Swawdall, and the oversight of the woddes and vue of ther grownde. **1558** in Feuillerat *Revels Q. Eliz.* (1908) Table i, The Master and officers..shall..peruse the remaines of the whole stuffe and other stoare lefte at the laste vewe. **1647** N. BACON *Disc. Govt. Eng.* I. xxxviii. 92 The Coroner..even in those old daies had the view of bloodshed. **1654** G. GODDARD in *Burton's Diary* (1828) I. Introd. 188 That the excise of all tobacco of the English plantations, be reduced from 3*d*. to 1*d*. the pound; and that thereupon, no view or allowance be made for, or in respect of the said tobacco. **1700** J. TYRRELL *Hist. Eng.* II. 819 Our Regarders or Viewers shall go through the Forests to make a View or Regard. **1802** JAMES *Milit. Dict.* s.v., The view of a place is said to be taken when the general, accompanied by an engineer, reconnoitres it. **1812** J. SMYTH *Pract. of Customs* (1821) 329 Bill of View or Sight. **1827** HALLAM *Const. Hist.* ix, (1876) II. 132 A view of this armour was to be taken twice in the year by constables chosen in every hundred.

†**c.** A review (of troops, etc.). *Obs.*

1565 COOPER *Thesaurus* s.v. *Condo*, *Lustrum condere*, to apoynt a muster or view. **1681** W. ROBERTSON *Phraseol. Gen.* (1693) 1269 A View of souldiers at a Muster, *armilustrium*. **1693** LUTTRELL *Brief Relat.* (1857) III. 15 The duke of Ormond took a view yesterday of his troop, and ordered all that had bay or grey horses to change them for black. **1721** DE FOE *Mem. Cavalier* (1840) 56 The view being over, and the troops returned to their camps.

d. *Law.* (See quots.) ? *Obs.*

1567 *Expos. Termes of Law* (1579), *Viewe* is when anye actyon real is brought and the tenaunt knoweth not well what lande it is, that the demaundaunt asketh, then the tenant shal praye the viewe. **1607** COWELL *Interpr.*, *Veiours* ..signifieth in our common lawe those, that are sent by the court to take view of any place in question, for the better desicision of the right. *a* **1625** SIR H. FINCH *Law* (1636) 366 View is in reall actions of the thing demanded,..when it is so necessarie as without view the defendant cannot well answer. **1768** BLACKSTONE *Comm.* III. 298 He may, in real actions, demand a *view* of the thing in question, in order to ascertain it's identity and other circumstances.

†**e.** *by view of*, under the inspection of. *Obs.*[-1]

1700 TYRRELL *Hist. Eng.* II. 820 Every..Earl, or Baron, coming to us at our Command, and passing through our Forest, may Lawfully take one or two Deer by view of the Forester if present.

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2. In general use: An examination, inspection, or survey. (Cf. 18.)

1568 GRAFTON *Chron.* II. 277 They roade in the fieldes all that daye, and made a diligent vewe. **1592** STOW *Ann.* 518 The which volume was since againe,..by viewe of diuers written copies, corrected by my self. **1622** BACON *Hen. VII* (1876) 29 Edward Plantagenet..having passed the view of the streets, was conducted to Paul's church. **1668** DENHAM *Poems* Ep. Ded. A iij b, Neither have I any need of such shifts, for most of the parts of this body have already had Your Majesties view. **1697** DRYDEN *Virg. Georg.* III. 450 We too far the pleasing Path pursue; Surveying Nature with too nice a view.

†**3.** An interview or meeting. *Obs. rare.*

1520 SIR R. WINGFIELD in Ellis *Orig. Lett.* Ser. 1. I. 170 Suche personnaiges as shall attende apon hym at the Veue. *Ibid.* 173 The noble personnaiges of thys Realme..be asmoche affectionatt to this Veue as could be wysshyd.

4. The exercise of the faculty of sight; the faculty or power of vision; the possibility or opportunity of seeing something: **a.** Without article.

field of view: see FIELD *sb.* 16 b.

1573 TUSSER *Husb.* (1878) 211 At length by vew, to shore I drew. **1577** HOLINSHED *Chron.* I. 35/1 Thinking it good to vnderstand all things by view that might appertaine to the vse of that warre. *c* **1600** SHAKS. *Sonn.* cxli, 'Tis my heart.. Who in dispight of view is pleas'd to dote. **1634** SIR T. HERBERT *Trav.* 193 Hoise him vp to his greater height of view. **1671** MILTON *Samson* 723 And now at nearer view, [it is] no other.. Than Dalila thy wife. **1697** DRYDEN *Æneid* XII. 1333 The hero measur'd first, with narrow view, The destin'd mark. **1727-** [see POINT *sb.* [1] D, 12]. **1864** *Ecclesiologist* XXV. 274 The steeple..may..be taken into view with the loftier saddleback of S. Alban's. **1876-7** in Abney *Photogr.* (1878) 207 The diminution of light from the centre towards the margins of the pictures from both these causes increases rapidly with any increase of angle of view beyond 40°.

b. In the phr. *to view*, chiefly after vbs.

a **1593** MARLOWE & NASHE *Dido* I. i, Whose lookes set forth no mortall forme to view. **1695** WOODWARD *Nat. Hist. Earth* (1723) 24 Their Parts when dissolved have the same Appearance to View. **1746** FRANCIS tr. *Horace, Art of Poetry* 5 If he gave to View a beauteous Maid. **1757** W. WILKIE *Epigoniad* IX. 270 Towards the Cadmean gate; where full to view Expos'd, the armies and the camp she knew. **1817** JAS. MILL *Brit. India* II. v. vi. 586 One of the most important features of the case was then held up to view. **1852** MRS. STOWE *Uncle Tom's C.* xl, Tom was already lost to view among the distant swamps of the Red River. **1860** TYNDALL *Glac.* I. iii. 28 The snow-floor had, in fact, given way, and exposed to view a clear green lake.

c. Similarly with *the*. (Cf. 14.)

1585 T. WASHINGTON tr. *Nicholay's Voy.* II. ix. 42 b, Where he sayth the second to lye on the North part, he may by the view & eisight onely be reproued. **1603** G. OWEN *Pembrokeshire* i. (1892) 3 That euerye shere is of bignes as the same appeareth to the vywe. **1664** POWER *Exp. Philos.* Pref. 15 The Knowledge of Man (saith the learn'd Verulam) hath hitherto been determin'd by the View or Sight. **1721** RAMSAY *Tartana* 148 These give not half that pleasure to the view. **1791** MRS. RADCLIFFE *Rom. Forest* ii, It seemed as if heaven was opening to the view. **1820** SHELLEY *Skylark* 50 Like a glow-worm..Among the flowers and grass, which screen it from the view! **1842** TENNYSON *Vision of Sin* 23 [They] Caught each other with wild grimaces. Half-invisible to the view.

d. With limiting terms (possessives, etc.).

1587 FLEMING *Contn. Holinshed* III. 1357/2 He hath set downe to the vew of all men these necessarie notes following. **1592** SHAKS. *Rom. & Jul.* I. i. 177 Alas that loue, whose view is muffled still, Should without eyes, see path-wayes to his will. **1614** LATHAM *Falconry* (1633) 73 For your flight to the Hearne, it is wrought, flown, and maintained by the eie and view of the Hawke. **1640** BP. REYNOLDS *Passions* Ded., This treatise hath had the marvellous felicity to light on the view ..of a very gracious Princess. *a* **1668** LASSELS *Voy. Italy* (1698) II. 118 None are suffered..to do or speak anything scandalously that may shock civility or publick view. **1711** POPE *Temple Fame* 420 Before my view appear'd a structure fair. **1812** CARY *Dante, Parad.* XXII. 19 Elsewhere now I bid thee turn thy view. **1833** TENNYSON *Lady Clara Vere de Vere* 34 When thus he met his mother's view,..She spake some certain truths of you. **1903** MORLEY *Gladstone* I. Pref. *note*, Between two and three thousand papers of one sort or another must have passed under my view.

fig. **1590** SPENSER *F.Q.* III. III. 11 My Lady and my loue is cruelly pend In dolefull darkenesse frnm the vew of day.

e. Range of sight or vision.

1591 SAVILE *Tacitus, Agricola* (1622) 184 Lest any sparkle of honesty should by mischance remaine within view. **1722** WOLLASTON *Relig. Nat.* i. 29 No one can tell, in strict speaking, where another is, if he is not within his view. *a* **1732** T. BOSTON *Crook in Lot* (1805) 11 Providing that the crook in his lot should not be set afresh in his view. **1850** TENNYSON *In Mem.* lxxv, Somewhere, out of human view, Whate'er thy hands are set to do Is wrought. **1855** —— *Maud* I. xx. Was it gentle to reprove her For stealing out of view From a little lazy lover?

5. a. An act of looking or beholding; a sight, look, or glance.

1581 W. S. *Compend.* 21 b, The first view would displease many. **1590** SHAKS. *Mids. N.* III. i. 144 Mine eare is much enamored of thy note; On the first view to say,.. I loue thee. **1611** SIR W. MURE *Misc. Poems* I. 50 Seik no to subdue And kill ane hert, bot for a vieu. **1667** MILTON *P.L.* II. 190 Who [can] deceive his mind, whose eye Views all things at one view? **1697** DRYDEN *Virg. Past.* VIII. 53, I view'd thee first; how fatal was the View! **1704** J. HARRIS *Lex. Techn.* I. s.v. *Measures*, To see in one View an Account of the Ancient and Present Measures of several Parts of the World. **1746** FRANCIS tr. *Horace, Art of Poetry* 495 That gives us Pleasure for a single View; And this, ten Times repeated, still is new. **1813** SHELLEY *Q. Mab* II. 100 The thronging thousands, to a passing view, Seemed like an ant-hill's citizens. **1886** *Cornh. Mag.* Aug. 224 For an hour at each view will this monstrous eye..gaze analysingly on many hundreds of stars at once.

VIEW

b. ellipt. A view-halloo.

1903 Longm. Mag. Jan. 244 There is, however, in my humble opinion, no great harm in a view when the hare is first found.

6. The sight or vision of something. Also with possessives.

1588 Shaks. Titus A. III. ii. 55 Out on the murderous: thou kil'st my hart. Mine eyes clou'd with view of Tirranie. 1600 Fairfax Tasso XIV. XIV, Thy weak armies..Shall take new strength, new courage at his view. 1632 Guillim's Heraldry (ed. 3) III. ii. 113 Thus should their view put us euer more in minde, to raise our thoughts to Godward. 1634 Sir T. Herbert Trav. 23 Towards night [we] got view of Ioanna Ile. a1771 Gray Dante 29 Pisa's Mount, that intercepts the view Of Lucca. 1794 Godwin Caleb Williams 247 The view of his figure immediately introduced a train of ideas into my mind. 1820 W. Irving Sketch Bk. (1821) II. 29 We had now come in full view of the old family mansion. 1837 Lockhart Scott IV. viii. 263 He proceeded to thread his way westwards, across moor and bog, until we lost view of him.

transf. 1815 J. Smith Panorama Sci. & Art II. 191 Hitherto the distinction..appears to have been scarcely thought of. The distinct view of it was accidentally obtained by Stephen Grey, in the year 1729.

7. a. Visual appearance or aspect.

1551 Recorde Cast. Knowl. (1556) 152 If the earthe were of anye bygnes in comparison to the worlde, then should his semidiameter beare some vewe of byggenesse to the semidiameter of the skie. 1570-6 Lambarde Peramb. Kent (1826) 102 The same man also, persuaded partly by the viewe of the place itselfe,..supposeth, that Richborow was of auncient time a citie of some price. 1592 Shaks. Rom. & Jul. I. i. 175 Alas that loue so gentle in his view, Should be so tyrannous and rough in proofe. 1603 G. Owen Pembrokeshire i. (1892) 2 It most Consequentelye followe that the shere must be but little, much lesse then other sheres which seem lesse in vywe. 1667 Milton P.L. IV. 142 A Silvan Scene,..a woodie Theatre Of stateliest view. Ibid. 247 A happy rural seat of various view. 1713 Guardian No. 1 ¶1 His Countenance is communicated to the Publick in several Views and Aspects. 1718 Pope Iliad XVI. 203 Like furious, rush'd the Myrmidonian crew, Such their dread strength, and such their dreadful view. 1812 Crabbe Tales xviii. 9 As certain ores in outward view the same.

fig. 1581 Pettie Guazzo's Civ. Conv. III. (1586) 123 To maintaine himselfe in that view which belongeth to his calling.

b. Aspect as affected by position.

1847 Leitch tr. C. O. Müller's Anc. Art 450 The coins exhibit his head generally in front view.

8. †a. Hunting. The footprints of a buck or fallow-deer. Obs.

Common in 17th c. works of reference, but merely as an echo of Turbervile.

1576 Turberv. Venerie xxxvi. 97 Then if she aske, what Slot or view I found, I say, the Slot, or view, was long on ground. Ibid. 239 The footyng or printe of an Hartes foote is called the Slot. Of a Bucke and all other Fallow Deare, it is to be called the View. 1611 Cotgr., Foulée, the Slot of a Stag, the Fuse of a Bucke (the view, or footing of either) vpon hard ground, grasse, leaues, or dust. 1679 Lovell Indic. Univ. 26 The strain, view, slot or footing of a deer are the marks he makes in soiling.

b. A sight or prospect of some landscape or extended scene; an extent or area covered by the eye from one point.

1606 Bryskett Civ. Life 93 Hauing the prospect not onely of the citie, but also of the sea and hauen,..and some commending the ayre, some the delightfulnesse of the view. 1634 Sir T. Herbert Trav. 14, I neuer saw ground more pleasant for view. 1667 Milton P.L. II. 890 Before thir eyes in sudden view appear The secrets of the hoarie deep. 1718 Prior Solomon II. 22 Fish-ponds were made, where former Forrests grew; And Hills were levell'd to extend the View. 1756 Mrs. Calderwood in Coltness Collect. (Maitl. Cl.) 192 It is the finest viue euer I saw; the ground lies about it, you would think, in a circle. 1766 [Anstey] Bath Guide vii. 4 Fine Walks, and fine Views, and a Thousand fine Things. 1808 Pike Sources Missis. II. 220 From the flat roof of the church we had a delightful view of the village. 1847 Tennyson Princess Prol. 68 Here were telescopes For azure views; and there a group of girls In circle waited. 1883 Manch. Exam. 30 Oct. 8/4 A local resident..whose house..has a beautiful view down the valley.

c. A drawing, painting, print, etc., representing a landscape or other prospect.

a1700 Evelyn Diary 18 Jan. 1645, We were then conducted into a new Gallery, whose sides were painted with views of the most famous places, towns, and territories in Italy. 1709 (title), Britannia Illustrata; or, Views..of the Principal Seats of the Nobility and Gentry of Great Britain. 1791 Robertson Hist. India App., Wks. 1851 VI. 510 Mr. Hodges has published views of three of these [fortresses]. c1811 Fuseli in Lect. Paint. iv. (1848) 449 That kind of landscape which is entirely occupied with the same delineation of a given spot,..what is commonly called 'views'. 1853 Mrs. Carlyle Lett. (1883) II. 220 The little view at the top of this sheet is where I live in London. 1854 Hawthorne Eng. Note-Bks. (1883) I. 527 A photographist preparing to take a view of the castle. 1898 Binns Story of the Potter 222 Portraits, views, and fancy scenes were produced in different self-colours.

II. 9. a. Mental contemplation or vision (alone or combined with ocular inspection); observation, notice.

point of view: see Point sb.[1] D. 12.

c1440 Alph. Tales 530 þer is no thyng bod som peple will giff þer vew and per fantasye þer-vnto. 1593 Norden (title), Speculum Britanniæ. By the travaile and vew of John Norden. 1612 in Eng. Hist. Rev. April (1914) 249, I will be bold out of my zeale and duty to present yt [a proposition] unto his Magesties vieu. 1642 in Verney Mem. (1907) I. 243 But I hate to have my secrets laid open to everybodie's view. 1746 Francis tr. Horace, Epist. I. ii. 26 The Poet sets Ulysses in our View. 1762 Kames Elem. Crit. i. (1833) 20 The mind extends its view to a son more readily than to a servant. 1846 Whately Rhetoric (ed. 7) Introd. vi. 34 Such a habit..also, in a rhetorical point of view, if I may so speak, often proves hurtful. 1850 Hawthorne Scarlet Letter Introd.. One..who appeared to have been rather a noteworthy personage in the view of our ancestors. 1911 J. H. Round King's Serjeants 254 After this, the scalding serjeanty..fades from view.

b. A single act of contemplation or attention to a subject.

1570 Levins Manip. 94 A view of things, æstimatio. 1676 Dryden Aureng-zebe Ded., The hasty Critick, who judges on a view, is as liable to be deceived. 1776 Adam Smith W.N. I. i. (1869) I. 10 The advantage..is much greater than we should at first view be apt to imagine it.

10. a. A particular manner or way of considering or regarding a matter or question; a conception, opinion, or theory formed by reflection or study. Freq. const. of.

1573 G. Harvey Letter-bk. (Camden) I Uppon a reasnable vew of the matter. 1679 Penn Addr. Prot. II. ii. (1692) 60 Let us take the most impartial View we can. 1736 Butler Anal. I. iii. 50 Good Actions are never punished, considered as beneficial to Society, nor ill Actions rewarded, under the view of their being hurtful to it. 1780 Mirror No. 100 ¶1 The view of Hamlet's character, exhibited in my last Number. 1800 Trevelyan in G. O. Trevelyan Macaulay (1876) I. i. 22 Miss Hannah took a mnre unselfish view of the subject. 1836 J. Gilbert Chr. Atonem. ix. (1852) 281 Atonement presents to us this view of God. 1855 Bain Senses & Int. I. ii. §8 The application of this view of the plan of structure of the brain will appear in the sequel. 1884 Sir W. B. Brett in Law Rep. 14 Q.B.D. 798 That was the view which the judgment of the Court below upholds.

b. An aspect or light in which something is regarded or considered. (Cf. 7.)

1713 Guardian No. 5 ¶3 The Widow of Sir Marmaduke is to be considered in a very different View. 1729 Law Serious C. x. 145 If we consider mankind in a farther view, as a redeemed order of fallen spirits. 1794 Paley Evid. III. iv. ¶22 We are well warranted in calling the view, under which the learned men of that age beheld Christianity, an obscure and distant view.

c. pl. Opinions, ideas, or theories, of an individual or speculative character, held or advanced with regard to some subject.

1769 Robertson Chas. V. III. ¶33 Nor did his political views and maxims seem less strange. 1792 J. Barlow Conspir. Kings 86 Gallia's sons..Make patriot views and moral views the same. 1818 Cobbett Pol. Reg. XXXIII. 106 Reformers, not so well able to express as to think, would have had an answer to all questions relating to their views. 1841 Arnold in Life & Corr. (1844) II. ix. 270 Of course, he who believes his own views to be true, must believe the opposite views to be error. 1870 Jevons Elem. Logic ii. 11 It does not seem that the views of the logicians named are irreconcileable. 1883 Law Times 20 Oct. 408 The time must come when the views of our committee will prevail.

d. Without article: Comprehensive survey.

1821-30 Lo. Cockburn Mem. (1856) 177 Allen's single lecture contained as much truth and view as could be extracted from all the books in Europe on the subject.

11. A survey, a general or summary account, of something.

1604 Dallington (title), The View of Fraunce. 1623 Cockeram II, The full View of a thing, synopsie. 1647 May Hist. Parl. Title-p., A short and necessary view of precedent yeares. 1729 Butler Serm. Wks. 1874 II. Pref. 14 It may not be amiss to give the reader the whole argument here in one view. 1779 Mirror No. 31, An author who draws characters in the other manner..gives a view of the particulars themselves. 1800 Asiat. Ann. Reg. II. 44/1, I proceed finally to offer a combined view of the whole. 1815 J. Smith Panorama Sci. & Art. II. 157 With the record of a late excursion of his we shall close this view of the practice of aérostation.

12. a. An aim or intention; a design or plan; an object or purpose.

1634 Sir T. Herbert Trav. 83 [Nicanor slew Antiochus], because interposing the view of his ambition. 1711 Marlborough in 10th Rep. Hist. MSS. Comm. App. I. 144, I haue no other views then what tend to the firmest vnion with his Lordship. 1759 Franklin Ess. Wks. 1840 III. 483 Whatever view the governor had to serve by his opposition, he neither did himself or views any service by it. 1771 Wesley Wks. (1872) V. 20 It is necessarily implied, that a man have a sincere view of pleasing God in all things. 1815 Scott Guy M. xxii, Part of Brown's view in choosing that unusual tract..had been a desire to view the remains of the celebrated Roman Wall. 1831 Society I. 295, I have told you my views for Jemima. 1849 Grote Greece II. xlvii. (1862) IV. 160 Such were the views of Pericles in regard to his country.

b. Regard or reference to a person or thing (rare). †out of a view to, with an eye to.

1718 M. Tomkins in W. Wilson Dissenting Ch. (1808) II. 540 He assured me he had no particular view to me, or suspicion of me, when he brought down that sermon among others to Newington. 1728 Chambers Cycl. s.v. Chair, But the antient Ballustrades have been since restor'd; out of a View to the Beauty of the Architecture. 1736 L. Welsted Wht. (1787) 486 In view to the second [commandment], this necessity was greater.

13. A prospect, anticipation, expectation, or outlook.

1719 W. Wood Surv. Trade 17 That we were brought in View of a truly safe, honourable, and advantagious Peace. 1726 Shelvocke Voy. round World 210 We could have no better views at present than of falling into their hands sooner or later. 1755 Smollett Quix. (1803) II. 50 He that hath good in his view, and yet will not evil eschew, his folly deserveth to rue. 1758 S. Hayward Serm. xiv. 408 It gives the christian..the sweetest composure in the views of death. 1813 Shelley Q. Mab IV. 253 Are not thy views of unregretted death Drear, comfortless, and horrible? 1827 D. Johnson Ind. Field Sports Pref. p. x, I entertain no view of any emolument whatever from the present publication.

III. In various phrases.

†14. at or to the view (in hawking and hunting): By sight. Also in fig. context. Obs.

1486 Bk. St. Albans dj, An hawke flicth to the vew, to the Beke, or to the Toll. 1607 Chapman Bussy D'Ambois II. Wks. (1895) 148 Both fell as their spirits flew Upwards; and still hunt honour at the view. 1628 Bp. H. King Exp. Lord's Prayer 144 'Tis dangerous to hunt such abstruse mysteries at the view, or lonke too neere. 1657 —— Poems (1843) 17 Teach me to hunt that kingdom at the view Where true joyes reign.

15. in (..) view. a. in (the) view of, in the sight of, so as to be seen by; also, within sight of, near enough to see.

a1548 Hall Chron., Hen. VI. 174 These armies thus liyng, the one in the conspect and vewe of the other, studied all meanes and pollecies, how to take aduauntage eche of other. 1594 Sec. Pt. Contention (1843) 122 Richard The second in the view of manie Lords Resignde the Crowne to Henrie the fourth. 1634 Sir T. Herbert Trav. 22 An Iland called Mæottey scituate in view of some three other. 1667 Milton P.L. II. 394 Neerer our ancient Seat; perhaps in view Of those bright confines. 1719 De Foe Crusoe I. (Globe) 22 While I was in View of the Moor that was swimming, I stood out directly to sea with the Boat. 1728 Watts Let. 20 July in Pearson's Catal. No. 76 (1894) 64 Are not my sermons in your view and within your reach? a1774 Goldsm. Hist. Greece II. 101 Here he chose his station, in view of a temple dedicated to Hercules. 1814 Wordsw. Excursion IX. 706 For sacrifice performed Exultingly, in view of open day. 1848 Thackeray Van. Fair li. Shaking hands with them and smiling in the view of all persons.

b. in view, in sight, in such a place or position as to be seen; also (b) in contemplation or notice, under attention; (c) as an end or object aimed at.

In the latter uses chiefly after have or keep.

1605 Shaks. Lear v. i. 51 The Enemy's in view. 1667 Milton P.L. i. 563 And now Advanc't in view they stand, a horrid Front Of dreadful length. 1731 W. Halfpenny Perspective 4 Here inserted more plainly to discover what part of the Cube is in View. 1769 Robertson Chas. V. IV. Wks. 1813 V. 415 His soldiers, now that they had their prey full in view, complained neither of fatigue nor famine. 1780 Cowper Progr. Error 570 None sends his arrow to the mark in view, Whose hand is feeble, or his aim untrue. 1812 Sporting Mag. XXXIX. 88 The hounds..were running a hare hard in view. 1856 Kane Arct. Expl. II. xxvi. 262 There was nothing in view except Dalrymple Rock.

fig. 1757 Foote Author II. Wks. 1799 I. 149, I shall never be able to hold out long; I had rather be taken in view.

(b) 1667 Milton P.L. x. 1030 Then let us seek Som safer resolution, which methinks I have in view. 1690 Locke Hum. Und. II. x. §1 By keeping the idea..for some time actually in view, which is called contemplation. 1779 Mirror No. 66, It is necessary that we keep in view the character of Lady Anne. 1793 Smeaton Edystone L. Introd. 2 It is probable the resemblance Josephus had in view, was chiefly that of the outward form. 1840 Jrnl. R. Agric. Soc. I. IV. 455 This should always be kept in view. 1891 'L. Malet' Wages of Sin II. 38, I have a quantity of work in view.

(c) 1720 Ramsay Prosp. Plenty 165 This, this our faithfu' trustees have in view, And honourably will the task pursue. 1771 Junius Lett. lviii. (1788) 312 Liberty..we all profess to have in view. ?1782 A. Shirrefs Poems (1790) 278 So fiercely they fought, having honour in view, Ten hours quite elaps'd. 1853 Browning In a Balcony Wks. 1907 VII. 30 Who keeps one end in view makes all things serve. 1878 Stubbs Const. Hist. (1896) III. 453 It may be questioned whether the advisers of Henry VI..had any deep political object in view. 1908 Animal Managem. 291 And with this in view, the saddles are very generally left on.

c. in that (this, etc.) view, on that account, for that reason or consideration. ? Obs.

1734 tr. Rollin's Anc. Hist. (1827) I. 108 It is in that view that Socrates..set so high a value upon Euripides. 1788 Priestley Lect. Hist. v. lii. 401 How vastly profitable these our plantations are to us in every view. 1827 in Scott Chron. Canongate Introd. App., It was in that view that he proposed to drink to the memory of his late Royal Highness the Duke of York.

d. in view of, (a) in prospect or anticipation of, with a view to; (b) in consideration or regard of, on account of.

(a) 1709 Mrs. Manley Secret Mem. (1736) III. 16 Let us with a chearful Boldness loose the Reins, in View of attaining the Latter. Ibid. 277 In view of marrying Ethelinda. 1859 S. Wilberforce Sp. Missions (1874) 182 He writes to this lady, in a letter with which she has entrusted me, in view of this meeting. 1867 C. S. Parker in Quest Reformed Parl. 197 An unreformed Parliament, which..has never been more disposed to bestir itself for good than now in view of approaching dissolution. 1878 R. Simpson Sch. Shaks. I. 26 Musters were being taken through England in view of wars with Scotland and France.

(b) 1819 T. Hope Anastasius II. 160 In view of the readiness she showed to second my search, all was, or appeared to be, forgiven. 1831 —— Ess. Origin Man III. 113 In view of the excellencies of the works embodied in it, [the language] continued to be occasionally used. 1874 Morley Compromise 54 Error, therefore, in view of such considerations may surely be allowed to have at least a provisional utility. 1885 L. Oliphant Sympneumata 212 In view of this aspect of the class of phenomena in question, we regard with leniency their presence in the human nature of the past.

16. a. on or upon (the) view of, on ocular inspection or perception of, spec. by way of inquest.

1488 Rolls of Parlt. VI. 414/1 All Enditements..taken afore any of your Corowners..upon the viewe of the Body of the said Thomas Portyngton. 1512 Act 4 Hen. VIII. c. 20 Preamble, [They] caused a Crouner to sit and inquere on the vieu of the Bodies of the said John Cristofore, Gerard, and Genet. 1541 Act 33 Hen. VIII. c. 12 §1, All inquisicions upon the viewe of persons slayne..within any the Kinges saide pallaces or houses. 1600 E. Blount tr. Conestaggio 228 Yet vpon view of the horse, they mette them with the keies of the citie. 1661 W. Lowther in Extr. St. P. rel. Friends II. (1911) 118 His Maiestyes Justices of the peace, vpon viewe

or haueing Informacion of such persons soe offending. **1779** *Mirror* No. 66. The feelings that arise on the view of ability, self-possession, knowledge of character. **1815** *Ann. Reg.*, *Chron.* 47 An inquest was held..on view of the body. **1841** *L'pool Mercury* 2/5 An inquest was held before Mr. Curry, on view of the body of Wm. Clare, aged 21.

b. on the view, by simple inspection.

1823 J. BADCOCK *Dom. Amusem.* 31 Making an estimate of the original purity of the material..may be accomplished, first on the view; second by heat. **1855** MACAULAY *Hist. Eng.* xxi. IV. 615 The High Bailiff then walked round the three companies of horsemen, and pronounced, on the view, that Montague and Fox were duly elected.

c. on view, on exhibition; open to general or public inspection.

1850 *Punch* 19 Oct. 164/1 The South Western Railway.. keeps a quantity of hissing, smoking, screaming engines always 'on view'. **1882** MISS BRADDON *Mt. Royal* III. vi. 104 He shall be on view in the drawing-room before dinner. ·

17. a. with the (or a) **view of**, with the object or design of (doing something).

1723 *Pres. St. Russia* II. 112 You acted only with a view of deceiving me. **1754** SHERLOCK *Disc.* (1759) I. i. 18 Religion must be formed with a View of securing a future Happiness. **1802** O. GREGORY *Treat. Astron.* 257 With a view of ascertaining more accurately the nature of the sun. **1827** FARADAY *Chem. Manip.* xxiv. 590 With the view..of expediting the acquirement of the necessary habits. **1884** in A. Cawston *Street Improv. London* (1893) 106 Power of taking possession..with the view of carrying out the necessary work.

b. with a view to, with the aim or object of attaining, effecting, or accomplishing something; const. (a) with nouns or pronouns, or (b) with verbs. Also (c), with regard to; (d) in view of.

(a) **1728** CHAMBERS *Cycl.* s.v. *Hair*. It was with a View to this, that such..procured their Hair to be shaven off. **1767** COWPER *Let..*20 Oct., I am willing to suspect that you make this inquiry with a view to an interview when time shall serve. **1833** HT. MARTINEAU *Vanderput & S.* i. 20 [He] allowed that such an indulgence might,--especially with a view to increased knowledge,--be extended to a sufferer like Christian. **1866** R. CHAMBERS *Ess. Ser.* II. 89 Providence has constituted us with a view to activity. **1875** HELPS *Soc. Press.* iii. 49 The tendency is more and more to promote individual effort with a view to individual comfort. **1891** *Law Times* XC. 373/1 The Belgian Government desired his extradition with a view to his trial in Belgium.

(b) **1723** *Present St. Russia* I. 160 With a View to secure the Cuban-Tartars to the Russian Interest. **1765-8** ERSKINE *Inst. Law Scot.* IV. iv. 155 The forcible..abduction of the woman's person, with a view to violate it. **1800** *Asiat. Ann. Reg.*, *Charac.* 54/2 The troops had been embarked with a view to retake the island of Grenada. **1842** LOUDON *Suburban Hort.* 53 They might..be advantageously introduced with a view to watering summer crops. **1891** *Law Times* XCII. 105/2 The lady had contracted specifically with a view to bind definite separate estate.

(c) **1785** PALEY *Mor. Philos.* VI. xii. War may be considered with a view to its causes and its conduct.

(d) **1808** ELEANOR SLEATH *Bristol Heiress* V. 329 With a view to his approaching nuptials, Lord Castleton presented him with a handsome service of plate.

c. with this (or that) **view**, with this intention or aim, for this purpose.

1765 H. WALPOLE *Vertue's Anecd. Paint.* (ed. 2) III. 159 Preudhomme went to Wilton with that view. **1769** ROBERTSON *Chas. V,* IV. Wks. 1813 V. 413 With this view he dispatched a courier to Bourbon. **1815** J. SMITH *Panorama Sci. & Art* II. 191 With this view he fixed a cord to a nail which was in one of the beams of the ceiling. **1857** BUCKLE *Civiliz.* I. ix. 573 With this view, the people, even in their ordinary amusements, are watched and carefully superintended. **1893** LIDDON *Life Pusey* II. xxv. 164 With this view the writer reviews fourteen of the Articles.

18. a. to take a view of, to take a look at, to make an inspection, examination, or survey of. †Also with *the* or without article.

1476 *Paston Lett.* III. 162, I suppose that my lorde wille take the vywe off alle hys retynywe heer. **1526** *Pilgr. Perf.* (W. de W. 1531) 17 [They] had sente theyr spyes to take the vewe of the countre. **1557** *Order of Hospitalls* Fv, When Vciwe is taken, whether the same Childe be living..in the Howse or at Nurse. **1578** in Feuillerat *Revels Q. Eliz.* (1908) 298 When my Lord Chamberleyne toke a viewe of the stuffe at m[r] Brydemans. **1631** WEEVER *Anc. Funeral Mon.* To Rdr., I likewise tooke view of many ancient Monuments not inscribed. **1658** WOOD *Life* (O.H.S.) I. 236 He had taken a view of the monuments. *a* **1774** GOLDSM. *Hist. Greece* II. 233 The next day he took 2 view of all Darius's money and moveables. **1780** *Newgate Cal.* V. 30 No sooner had he taken a view of it, than he declared, that..he had made the paper. **1815** J. SMITH *Panorama Sci. & Art* II. 305 In order to take a view of the means employed, to lessen, increase, or otherwise modify the affinities of bodies.

b. to take the long view, to have regard for more than the present; to provide for the future.

1924 *Times Trade & Engin. Suppl.* 29 Nov. 247/2 Those who took the long view and ordered more than just to meet current needs are now reaping the benefit of such a policy.·

c. to take a poor view: see POOR *a.* (*sb.*) 5 f. Also (in same sense) *to take a dim view*.

1941 *Newsweek* 7 July 27/2 Take a dim view—disapprove. **1947** H. GRIEVE *Something in Country Air* 13 Mr Everard took a dim view of his youngest niece. **1977** *Daily News* (Perth, Austral.) 19 Jan. 6/3 Bukovsky said he took a dim view of the way the West was pursuing detente.

IV. 19. attrib. and Comb. a. In senses 1 and 4, as *view-day*, *-making*, *-worthy* adj.

1589 GREENE *Ciceronis Amor* Epistle Ded., Thinking nothing rare, nor view-worthy, sufficiently-patronized, vnlease shrowded vnder the protection of so honorable a Mæcenas. **1600** *Maldon* (Essex) *Documents* (Bundle 162) 11, xxiiid for fire, and bredd, and beare spent in the Moote-halle on the pettie vew daye. **1607** in W. H. Hale *Prec. in Causes*

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of *Office* (1841) 10 They shall certify..of the vew making by the workmen..and likewise how farr they have proceeded in the repayer of the church. **1850** *Art Jrnl.* July 224 The rooms were crowded during the 'view' days with visitors.

b. In senses 8 b and 8 c, as *view-hunter*, *-hunting*, *-lens*, *-painter*, *-painting*, *-station*, *-taking*, etc.; **view card**, a picture postcard showing a view; **view-finder**, an attachment to a camera by which it is more readily adjusted to take a particular view; **view-phone**, a (proposed) device for enabling telephone users to see each other during a call; **viewsite**, a site (for a house or other building) with a view (sense 8 b).

1938 BLUNDEN *On Several Occasions*, Buying a view-card and a book. **1973** *Express* (Trinidad & Tobago) 17 Mar. 14/2 Hobbies—art, stamps and collecting viewcards. **1889** View-finder [see FINDER 3 d]. **1891** *Anthony's Photogr. Bull.* IV. 426 A revolving view-finder, flash-lamp, dark slide covers. **1837** J. E. MURRAY *Summer in Pyrenees* II. 65 The most greedy view-hunters of them all will leave it [Canigou] satisfied with the beauty and magnificence of the prospect. **1831** CARLYLE *Sart. Res.* II. vi, [mean the epidemic, now endemical, of View-hunting. **1889** *Anthony's Photogr. Bull.* II. 38 When the ordinary view lens, giving barrel distortion, is used. **1968** *Listener* 20 June 796/1 Flocks of academic view painters..used to set up their easels round the picturesque little harbour at St. Ives. **1971** *Country Life* 2 Sept. 536/3 Worcester's view-painters may fairly be compared with such fellow professionals. *Ibid.*, Topographical view-painting was not confined to fortunate Worcester, of course. **1982** *Nat. Gallery News* Feb. 1 Tourists visited Venice, wanting to take away reminders of the city they might not see again. The growing market must have encouraged both Canaletto and Guardi to turn to view painting. **1964** F. POHL *Alternating Currents* (1966) 38, I turned off the viewphone, got up and walked out. **1966** *New Scientist* 24 Nov. 440/3 A 'viewphone' service (which could enable telephone users, to see each other during a call). **1978** *Times* 3 Nov. 27/4 The Post Office itself has listed the main telecommunications services..envisaged for the years 1985 and 2000... By '1985 there will be..radiopaging, confravision..., viewphone. **1971** *Sunday Express* (Johannesburg) 28 Mar. 20/2 (Advt.), Each stand a spectacular viewsite! **1977** *Chicago Tribune* 2 Oct. (TV Week Suppl.) 4/1 (Advt.), This economical two-story home turns its back to the street (or takes beautiful advantage of a viewsite) to create an uncommon sense of privacy even in a busy urban setting. **1886** *Pall Mall G.* 11 Sept. 4/2 It was his delight to make..good roads to all the best view stations on his estate. **1889** *Anthony's Photogr. Bull.* II. 339 If they are view-taking in a region of streams and woods.

view, var. VEW (yew-tree). *dial.*

view (vju:), *v.* Forms: 6-7 veue (6 vue), vewe (6 veawe), viewe (6 vieue); 6 vieu, veu, vew, 6- view (6 veiw, *Sc.* wew). [f. the sb. Cf. AVIEW *v.*]

1. a. trans. To inspect or examine in a formal or official manner; to survey carefully or professionally; †to review (troops).

1523 LD. BERNERS *Froiss.* I. cccxcvii. 278 b/2 Whan they were nombred and viewed, they thought themselfe able to fight with the greatest prince in all the worlde. **1539** CROMWELL in Merriman *Life & Lett.* (1902) II. 237 Furthermore his Maieste woolde that you shuld cause the stretes and Lanes there to be vieued for the pavementes. **1560** DAUS tr. *Sleidane's Comm.* 258 Captaynes were sente oute to view the situation of theyr ennemies Campe. **1617** MORYSON *Itin.* II. 251 In Christmas holidayes his Lordship viewed the toune of Galloway, and judging it a place of great importance [etc.]. **1623** GOUGE *Serm. Extent God's Provid.* §15 The Coroner and his Inquest comming to view the bodies, found remaining but 63. **1697** J. LEWIS *Mem. Dk. Glocester* (1789) 21 About this time, there came Scotch regiments of dragoons to be viewed by the King in Hyde Park. **1714** *Fr. Bk. of Rates* 419 Offices..in which all Goods coming from Foreign Parts, or going to Foreign Parts, shall be declared, viewed, visited, and discharged. **1749** FIELDING *Tom Jones* VII. xii, The Surgeon,..having viewed the wound,..ordered his Patient instantly to bed. **1793** SMEATON *Edystone L.* §227 We..took the opportunity of viewing the progress of our moorstone works at Lanlivery. **1819** SHELLEY *Cenci* I. i. 17, I once heard the nephew of the Pope Had sent his architect to view the ground. Meaning to build a villa. **1852** DICKENS *Bleak Ho.* xi, 'Well, gentlemen!' resumes the Coroner,..'the first thing to be done is to view the body'.

†**b. spec.** To inspect or examine (records, accounts, etc.) by way of check or control. *Obs.*

1534 HENRY VIII in J. Bacon *Liber Regis* (1786) p. vi, [They shall] also se and veu such regesters, boks of accoumpt, Eater boks, and all other writings. *c* **1545** in J. S. Leadam *Sel. Cas. Crt. Requests* (1898) 88 A commaundement..to vue, serche, & oueresee certayn Courte Rollis. **1554-5** in Feuillerat *Revels Q. Mary* (1914) 178 Comissyoners specially appoynted and aucthorised to vewe and take the accompte state and remayne of and within that offyce. **1647** in *10th Rep. Hist. MSS. Comm.* App. V. 495 The said twelve men..shall view the late booke of Excise.

†**c.** To survey or explore (a country, coast, etc.). *Obs.*

1551 BIBLE *Josh.* vii. 2 Then Josua sent men from Jericho to Ai..., saying, get you vp, and vewe the countre. **1607** J. NORDEN *Surv. Dial.* I. 21 Joshua commaunded..that euery tribe should choose out three men, that he might send them thorow the land of Canaan, to view, suruey, and to describe it. **1652** NEEDHAM tr. *Selden's Mare Cl.* 189 They permitted none besides Merchants to sail vnto the Island without their leav, nor any man at all to view or sound the Ports and Sea Coast. **1745** P. THOMAS *Jrnl. Anson's Voy.* 32 The Commodore sent the Trial Sloop to view the Island. **1796** MORSE *Amer. Geog.* I. 143 John Davis..viewed that and the more northern coasts.

d. absol. To look over a property to assess its suitability for purchase or rent.

1914 'E. BRAMAH' *Max Carrados* 79 The place is to be let. .. We will go on to the agents and get a card to view. **1967**

N. MARSH *Death at Dolphin* i. 9 We hold the keys. Were you wanting to view? **1971** G. SIMS *Deadhand* II. iii. 92 Is it the house? No good--you can't view without a docket.

2. a. To look at (something) more or less attentively; to scrutinize; to observe closely.

Cf. examples of *view* and *re-view* s.v. REVIEW *v.* 2.

1548 UDALL, etc. *Erasm. Par. Luke* xxiv. 199 Vieu and beholde you my handes. **1563** B. GOOGE *Eglogs,* etc. (Arb.) 115 When I had vewd these wrytten lines and markde the Storye well, I ioyed muche. **1577** —— *Heresbach's Husb.* I. (1586) 7 b, Let vs walke aboute, that I may viewe your house tyll dinner be redy. *a* **1593** MARLOWE & NASHE *Dido* II. i. 73 *Illio.* Looke where she comes; Æneas, viewe her well. *Æn.* Well may I view her, but she sees not me. **1632** LITHGOW *Trav.* IX. 390 [He] sent a Guide with me,.to view the Mountayne more strictly... Hauing viewed and reuiewed this [etc.]. **1673** RAY *Journ. Low C.* 27 A Museum well stored with natural and artificial Rarities, which we viewed. **1697** DRYDEN *Virg. Georg.* III. 36, I, to the Temple will conduct the Crew: The Sacrifice and Sacrificers view. **1718** LADY M. W. MONTAGU *Let. to Abbé Conti* 31 July, The women flocked in to see me, and we were equally entertained with viewing one another. **1748** *Anson's Voy.* III. x. 405 The Chinese contented themselves with viewing it [the conflagration]. **1791** MRS. RADCLIFFE *Rom. Forest* ii, She stood for some time viewing the shadowy scene. **1835** T. MITCHELL *Acharn. of Aristoph.* 428 *note*, The writings of one who had viewed the manners of Greece with no incurious eye. **1892** *Photogr. Ann.* II. 875 They..give no false impression when viewed in the developing tray. *absol.* **1818** SHELLEY *Hymn Minerva* 18 Pallas from her immortal shoulders threw The arms divine; wise Jove rejoiced to view. **1827** POLLOK *Course T.* I. vi, Thus viewing, one they saw, on hasty wing, Directing towards heaven his course.

b. To see or behold; to catch sight of.

c **1586** C'TESS PEMBROKE *Psalms* cxix. G ii, I quake to view how people vile Doe from thy doctryne swerve. **1634** SIR T. HERBERT *Trav.* 51 Where a little from us, wee viewed a Blacke Tent, and going thither found three old Arabians. **1660** F. BROOKE tr. *Le Blanc's Trav.* 331 One plainly views the Isle, and go to the place you find nothing. **1706** ESTCOURT *Fair Example* v. i, *Whims*. Look up and view me then. *Sym.* That's a Jest indeed, when 'tis so dark I can't see my own Hand. **1773** *Life N. Frowde* 27, I..was not a little surprized to view such an extent of Sky and Water. **1810** *Sporting Mag.* XXXV. 152 The fox was viewed several times by the horsemen. **1848** THACKERAY *Van. Fair* lxiv, The alternations of splendour and misery which these people undergo are very queer to view. **1887** *Field* 31 Dec. 981/3 Mr. Godson viewed our hunted fox sneaking away.

†**c.** To admit to an interview. *Obs.*

1676 DRYDEN *Aurengz.* III. i. 1435 I'll view this Captive Queen; to let her see, Pray'rs and Complaints are lost on such as me.

d. Hunting. With *away*: To see (a fox) break cover; to give notice of (the fox as doing so) by hallooing.

1853 WHYTE MELVILLE *D. Grand* x, Excitement..not diminished by me 'viewing away' a magnificent old fox. **1856** 'STONEHENGE' *Brit. Rural Sports* 137/2 The first whip is sent on to the point where the fox is most likely to break, in order to view him away, and save time by hallooing.

e. To watch (television); to watch on television. Also *absol.*

1935 *Discovery* Sept. 277/2 The comfort and interest with which the [television] pictures may be viewed in a semi-darkened room. **1936** *Times* 3 Nov. 9/2, I should be unwilling to lay heavy odds against a resident in Hindhead viewing the Coronation procession. **1948** *Something Done* 15 A number of people might now be viewing without having bothered about taking out a licence. **1956** *B.B.C. Handbk.* 1957 104 Asking them what broadcasts they listened to or viewed 'yesterday'. **1958** *Listener* 25 Dec. 1090/1 They view on average for thirteen hours a week. **1966** C. MACKENZIE *Paper Lives* x. 145, I was anxious for Humphrey Mowart to explain to me the operation of the various knobs..of a television set so that I shall be in control of the machine when we are what they call viewing.

3. a. To survey mentally; to pass under mental review or examination; to consider.

1591 SAVILE *Tacitus, Agricola* 255 When I view and consider the cause of this warre, and our present necessity. **1634** SIR T. HERBERT *Trav.* 33 Hee had well viewed her seuerall forces. **1657** SPARROW *Bk. Com. Prayer* (1661) 50 These..have been viewed and allowed by the..Church for many ages past. **1679** PENN *Addr. Prot.* II. ii. 65 If we will yet rise higher in our enquiry and view the Mischiefs of Earlier Times. *a* **1704** T. BROWN *Satire Antients* Wks. 1730 I. 22 When we view him to the bottom, we find in him all the Gods together. *a* **1768** SECKER *Serm.* I *Thess.* v. 21 2 (1770) I. 16 Viewing Things on every Side..is grievous Labour to Indolence and Impatience. **1843** M. PATTISON *Ess.* (1889) I. 13 Bede viewed the world only from the retirement of his cell. **1875** JOWETT *Plato* (ed. 2) IV. 12 All knowledge may be viewed either abstracted from the mind, or in relation to the mind. **1875** HELPS *Soc. Press.* v. 65 He..has viewed the matter in hand more gravely.

b. Const. with (pleasure, etc.).

1746 FRANCIS tr. *Horace, Epist.* I. viii. 14 Whate'er may hurt me, I with Joy pursue; Whate'er may do me good, with Horror view. **1758** S. HAYWARD *Serm.* xvii. 509 The soul.. views his various perfections..with pleasure. **1769** ROBERTSON *Chas. V,* III. ₱38 To view all the constable's actions with a mean and unbecoming jealousy.

c. To regard or consider in a certain light.

1765 *Museum Rust.* IV. 110 If you, gentlemen, view this matter in that important light I do. **1779** *Mirror* No. 28, He seems to have viewed the unhappy people of that country merely as the instruments..to furnish himself and his countrymen with..wealth. **1832** LEWIS *Use & Ab. Pol. Terms* x. 84 A third manner of viewing mixed governments. **1861** PALEY *Aeschylus* (ed. 2), *Agam.* 1548 *note*, So far from regarding the murder of her husband as a crime, she views it simply as a just retaliation. **1875** JOWETT *Plato* (ed. 2) I. 32 Wisdom, viewed in this new light merely as a knowledge of knowledge and ignorance.

4. intr. To look or see *into* something. *rare*[-1].

1711 SWIFT *Exam.* No. 27 ¶11 Mr. Harley [is] sagacious to view into the remotest consequences of things.

Hence **viewed** (vjuːd), **viewing**, *ppl. adjs.*

1577 GRANGE *Golden Aphrod.* F ij b, For my vewyng eyes haue scene your paynting penne. **1882** *Society* 4 Nov. 5/1 The hounds ran on the line of a viewed fox. **1958** *Spectator* 6 June 730/3 It was a great deal better than half a dozen others which the viewing public has taken to its heart. **1975** *Listener* 18 Sept. 368/1 NHK..will continue..to give Japan's viewing public all of what it wants.

'viewable, *a.* [f. VIEW *v.* + -ABLE.]

1. That may be viewed, inspected, or looked over.

1909 in WEBSTER. **1924** E. POUND *Lett.* (1971) 189 No. The Studio is not viewable till I get back. **1959** *Historic Houses & Castles in Gt. Britain & Northern Ireland* 51·Adm. 2/-, Chd: 1/-. Gardens not viewable. **1976** *New Yorker* 1 Mar. 64/3 He said that three planeloads of bodies had arrived in Oakland—one, on Monday, of 'viewable' bodies and two, on Tuesday, of 'non-viewable' bodies.

2. *spec.* Of a television programme: capable of being viewed with pleasure or interest, worth watching.

1957 *Observer* 22 Dec. 8/6 B.B.C.'s Friday night documentary... This piece, though viewable, was often wildly unconvincing. **1971** *Daily Tel.* 21 Aug. 7 The secret of the endlessly viewable National Film Theatre series on television..seems to lie quite simply in its subjects. **1979** *Now!* 21-27 Sept. 90/2 To make it viewable, they'd have had to make it easier.

Hence **viewa'bility.**

1958 *Observer* 5 Oct. 19/4 You could argue hard about the precise degree of depth and reality in Granada's *The Liberty Man,* but there was no doubt about its viewability. **1966** *Listener* 2 June 813/1 This fascinating teaser, which I would match against any recent television drama for sheer viewability. **1977** *New Yorker* 16 May 114/1 Nicklaus.. carefully molded his holes for exceptional viewsbility.

'viewably, *adv. rare⁻¹.* [f. VIEW *v.*] Visibly.

1680 C. NESSE *Church Hist.* 357 Satan was seen to fall like lightning from heaven, to wit, viewably, violently, and velociously or swiftly.

viewdata ('vjuːdeɪtə). orig. also Viewdata. [f. VIEW *v.* + *data,* pl. of DATUM.] A system enabling a user's television set to show alphanumeric information selected from a computer database, with a telephone line providing two-way communication with the computer.

1975 S. FEDIDA in *Communications Networks* 275 An experimental study of a computer-based information distribution and retrieval interactive medium, called VIEWDATA, has been carried out. **1975** *Times* 24 Sept. 2/8 The telephone and television set could be linked to provide a significant new type of home information service... Known as Viewdata, the proposed new service was demonstrated publicly for the first time yesterday. **1976** *Nat. Electronics Rev.* Jan.-Feb. 11/1 Unlike these specialist orientated services, Viewdata has been developed, as an interactive information service for use by the general public. **1979** *Guardian* 24 Sept. 20/6 The Post Office tried to register the name Viewdata for its product but this was refused on the ground that it was too all-embracing a title. Then it chose Prestel—and led a campaign to get viewdata accepted internationally as the generic term for computerised public information systems. **1979** *Austral. Financial Rev.* 21 Dec. 19/3 A meeting of a viewdata technical standards group in the Netherlands..has provided a draft standard which includes both Prestel and the French Teletel system. **1981** [see TELETEXT]. **1983** *Computerworld* 23 May 10-14/1 Telematics regards its entry as timely because of..the rise in such dissemination systems as viewdata and teletext. **1984** *N.Z. Farmer* 23 Feb. 16/1 Two Viewdata pilot trials are to be started in the North Island this year.

viewed. *a. rare⁻¹.* [f. VIEW *sb.*] Inclined or given to views or theories.

a1635 NAUNTON *Fragm. Reg.* (1641) 33 It is a certaine note of the times, that the Queene in her choyce, never tooke in her favor a meere vew'd man, or a Mechanicke.

viewer ('vjuːə(r)). Also 5 vywer, vyewer, 5-6 vewer, 6 vewar. [f. VIEW *v.* + -ER.]

1. a. A person appointed to examine or inspect something, either on a special occasion or permanently; in later use *esp.* an inspector or examiner of goods supplied by contract; †*spec.* in *Law,* one appointed by a court to inspect a place, property, etc., and report upon it.

Formerly the designation of certain officials in the town of St. Albans: see A. E. Gibbs *Corpor. Rec. St. Albans* (1890) 11.

1415-6 [see VIEW *sb.* 1]. **1447** *Scriptores Tres* (Surtees) App. p. cccxiii, The said..Alexander [etc.]..sall werkman-like wirke the said myne..be the sight of certeyn vewers tharto assigned. **1479-81** *Rec. St. Mary at Hill* (1905) 111 Item, payd to the vywers for to ouerse the howse pat dyghton dwellith in. *Ibid.,* Payd for the vywers labour and attendaunce at diuerse tymez. **a1548** HALL *Chron., Hen. VIII,* 103 For the capitaine of the horsemen was appointed sir Edward Gyldford, by whom the currers and vewers of the countrey were appointed. **1601** J. KEYMOR *Dutch Fishing* (1664) 7 She [the herring-buss] imployeth..at Land ..Viewers, Packers, Tellers, Dressers, Couchers to make the Herrings lawfull Merchandizes. **1651** G. W. tr. *Cowel's Inst.* 252 The Judg commands the Sheriffe, That at a day assigned, he cause a view to be taken by such Viewers or Surveyers, as may certifie the Court [etc.]. **1700** TYRRELL *Hist. Eng.* II. 819 Our Regarders or Viewers shall go through the Forests to make a View or Regard. **1708** J. CHAMBERLAYNE *St. Gt. Brit.* (1710) 490 Viewer and Examiner of Tobacco [at the Port of London]. **1714** in *Hist. Northfield, Mass.* (1875) 134 One-half of said fence to be

accounted as Public Fence, and the whole to be under the viewers for the security of the Great Meadow. **1828** WEBSTER, *Viewer,*.. in New England, a town officer whose duty is to inspect something; as, a viewer of fences, who inspects them to determine whether they are sufficient in law. **1834** in Nicolay & Hay *A. Lincoln* I. 119 *note,* To appoint viewers to view and locate a road from Musick's ferry on Salt Creek. **1863** *Cornh. Mag.* VII. 323 The very viewers who first examine the stores, and on the nature of whose report so much depends. **1886** *Pall Mall G.* 6 Mar. 4/2 A large number of viewers, male and female, are kept, whose sole duty it is to see that everything is faultless and in good order.

transf. *c* **1540** J. HEYWOOD *Witty & Witless* (Percy Soc.) 1 And that experyens may achowe the trewer, Accept we reson to be owr vewer. **1574** HELLOWES tr. *Guevara's Fam. Ep.* (1577) 225 For if I will bee a Judge of your goodes, for the same you will be a viewer of my life.

b. An overseer, manager, or superintendent of a coal-mine or colliery.

1708 J. C. *Compleat Collier* (1845) 31 And now I must leave you to your Viewer, or Head Under-over Man, who is to take charge of a regular working of the colliery. **1761** *Brit. Mag.* II. 668 Mr. Curry, a viewer, and three others were burnt at Hartley Colliery, near Newcastle upon Tyne, by an explosion of foul air. **1797** CURR *Coal Viewer* 8 The viewers or superintendents of collieries. **1813** *Ann. Reg., Chron.* 49 Among the sufferers..[was] one of the Viewers. **1839** URE *Dict. Arts* 964 Coal viewers or engineers regard the dislocations now described as being subject in one respect to a general law. **1867** W. W. SMYTHE *Coal & Coal-mining* 175 Many of the most experienced colliery viewers..hold to the opinion that they substitute one danger for another. **1883** GRESLEY *Gloss. Coal-M.* 273.

2. a. One who views anything closely or attentively; one who looks at a thing with attention or interest.

1565 COOPER *Thesaurus, Speculator,*..a beholder: a viewer. **1572** J. JONES *Bathes of Bath* I. 8 b, The Phisicyon is a viewer and sercher out of Nature. **1579** W. FULKE *Confut. Sanders* 692 You are such a narrowe vewer of such idle pictures. **1611** BIBLE *Isaiah* xlvii. 13 The astrologers (*marg.* viewers of the heauens), the starre-gazers. **1729** G. ADAMS tr. *Sophocl., Oedip.-Colon.* I. iii. II. 87 Be silent, for hither come some ancient Men as Viewers of your Seat. **1857** DICKENS *Dorrit* II. xv, [The bride's outfit] was exhibited to select companies of female viewers. **1892** *Daily News* 25 May 6/8 There will probably be amongst viewers of the collection more than one..who will covet [etc.].

b. One who watches television. Cf. TELEVIEWER. Also *attrib.*

1935 *Times* 16 May 9/3 When television sets are as numerous as broadcast receivers it is possible that there may be a demand for some form of record..with which the viewer would be independent of wireless broadcasts. **1936** *Times* 3 Nov. 9/1 At Alexandra Palace yesterday, when the new television service of the B.B.C. was officially opened, the Postmaster-General and others had to address themselves not only to listeners, but to 'viewers'. Within a radius of some 25 miles, 'viewers' saw and heard a ceremony which the speakers rightly described as historic. *Ibid.,* There was a speech by Mr. R. C. Norman, chairman of the B.B.C. who was the first to use the word 'viewers' in its new meaning. **1946** *Electronic Engin.* XVIII. 276 The poor light at Wimbledon did not entirely account for television's failure to convey to viewers, comfortably seated at home, the breathless thrill [etc.]. **1955** *Britannica Bk. of Year* 489/2 *Viewer-Research* (an investigation into the relative popularity of programmes shown). **1957** *Listener* 5 Dec. 956/2 In football and boxing the viewer has an immense advantage over the spectator on the spot. **1961** A. WILSON *Old Men at Zoo* iii. 125 The viewer response so far is jolly encouraging. **1966** G. N. LEECH *Eng. in Advertising* v. 50 The [television advertising] copy-writer..does not despise the triviality of real-life conversation. In fact by deviating from it he manages to lose credibility and viewer-involvement. **1971** G. CHARLES *Destiny Waltz* i. 11 'You're probably familiar with some of our feature programmes if you watch a lot.' 'Yes, I'm a viewer all right,' said Jimmy. 'I've no false snobbery about TV.' **1977** *Rep. Comm. Future of Broadcasting* i. 3 The first decision we took was to ask individual viewers and listeners for their opinions. **1985** *Broadcast* 11 Jan. 21/3 Failure to cover such events, it is felt, would reflect badly on broadcasters in the minds of viewers.

3. One who sees or looks at anything; a beholder, observer, spectator.

1576 FLEMING *Panopl. Epist.* 143 The Prouince where you are..hath..many viewers of a yong Gentleman right nobly disposed. **1593** Q. ELIZ. *Boeth.* 56 Not thy nature but weaknes of vewars sight makes the seeme fayre. **1599** GREENE *Alphonsus* IV. ii. 16 A canapie was set..all beset with heads of conquered kings,...which..strooke a terror to the viewers harts. **a1625** FLETCHER & MASSINGER *Cust. Country* III. ii, Can it be possible this frame should suffer, And built on slight affections, fright the viewer? **1652** BENLOWES *Theoph.* III. xxix, Her eyes amaze the Viewers, and inspire To hearts a warm yet chast desire. **1810** CRABBE *Borough* xvii. 33 'Tis summer now; all objects gay and new; Smiling alike the viewer and the view. **1880** L. WALLACE *Ben-Hur* VII. v, The features..were ruled by a certain expression which, as the viewer chose, might [etc.]. **1885** MEREDITH *Diana* xxvi, Teaching gloom to rouse a songful nest in the bosom of the viewer.

4. An optical device for looking at film transparencies or the like.

1936 [see *microfilm viewer* s.v. MICROFILM *sb.* 2]. **1940** A. L. M. SOWERBY *Wall's Dict. Photogr.* (ed. 15) 19 The principle involved is exactly that of the 'viewers' now sold for looking at prints or small transparencies. **1958** *Woman's Own* 8 Oct. 58/3 The X-ray on the viewer. **1972** *Sci. Amer.* Jan. 65/1 When viewed through a stereoscopic viewer, the resulting image is truly three-dimensional. **1972** M. J. BOSSE *Incident at Naha* ii. 67, I wondered what Virgil would learn from the microfilm. He had taken it to the university library where he could use the viewers.

Hence **'viewership,** the viewers of a television programme collectively; the number of such viewers.

1954 *Sun* (Baltimore) 30 Apr. 16/3 The extent of viewer-ship of the subcommittee hearings was far from excess [...] **1957** *Economist* 24 Aug. 637/2 More reliable estimates [...] 'viewership'. **1964** D. SUSSKIND *Lel.* 26 Mar. in G. Marx *Groucho Lett.* (1967) 223 Please keep watching 'Open End'. .. We need viewership very urgently. **1979** *Arizona Daily Star* 1 Apr. (Tucson T.V. Suppl.) 12/3 CBS..restored 'The White Shadow' to its former Monday night time period, where it once again is drawing a big viewership.

view-halloo (vjuːhəˈluː). Also 9 -holloo. β. -hollo(w. γ. -holla. δ. -hallo(a, -holloa, -billoh, -hullow. [f. VIEW *sb.* + HALLOO, HOLLO(W, HOLLA, HALLO(A, and HILLO(A.

The earliest form recorded is *view-hollow* (see β), and early examples of *view-halloo* have the stress on the penultimate as in the first quot. The various forms are freq. written or printed as two words without hyphen.]

The shout given by a huntsman on seeing a fox break cover. Also *fig.*

α. **1792** S. ROGERS *Pleas. Mem.* II. 298 He scour'd the county in his elbow-chair; And, with view-halloo, rous'd the dreaming hound. **1798** *Sporting Mag.* XI. 3 At the very moment of 'Who! Whoop!' a view halloo was given by a third. **1858** TROLLOPE *Dr. Thorne* I. i. 21 He..had a fine voice for a view halloo. **1859** *Art of Taming Horses,* etc. xii. 202 When a huntsman carries the pack forward..to a view halloo. **1873** BLACK *Pr. Thule* xxv, Lavender in the distance heard a long view-halloo.

β. **1761** G. COLMAN *Jealous Wife* II. iii, What is become of the Lady all this while?.. You told me she was not here, and .. I was just drawing off another Way, if I had not heard the View-Hollow. **1806** COL. HAWKER *Diary* (1893) I. 4 A dragoon..gave a view hollow. **1833** in R. E. Warburton *Hunt Songs* (1883) ii. 8 Once more a view hollo from old Oulton Lowe! **1846** R. BELL *Canning* vii. 198 Lord Melville ..was no sooner condemned, than..Sir Thomas Mostyn is said to have given a view hollo!

γ. **1826** T. L. PEACOCK *Headlong Hall* viii, Their landing was hailed with a view-holla from the delighted Squire. **1858** GEN. P. THOMPSON *Audi Alt.* I. lxv. 250 The dogs that answered to the view-holla that chased them to their end. **1861** *Ibid.* III. clxii. 179 It is therefore 'Hark Forward' again, and the View Holla is not far off.

δ. **1840** T. J. HEWLETT *P. Priggins* v, Mr. Scrape gave a loud view hilloh! and galloped after me. **1853** LYTTON *My Novel* I. ii, The Squire..bellowed out with all the force of lungs accustomed to give a View-hallo! **1886** STEVENSON *Dr. Jekyll* 6, I gave a view halloa, took to my heels, collared my gentleman.

viewiness ('vjuːɪnɪs). [f. VIEWY *a.*] The state or quality of being viewy; tendency to speculative or unpractical views.

1852 J. H. NEWMAN *Scope Univ. Educ.* Pref. (1859) p. xxi, That spurious philosophism, which shows itself in what, for want of a word, I may call 'viewiness'. **1860** *Guardian* 23 May 473/1 It exhibits the broad views of the writer, of course, and is written with characteristic tendency to overgeneralisation and viewiness. **1880** *Athenæum* 2 Oct. 429/1 Viewiness is bad, no doubt, but it is still worse to be without views.

viewing ('vjuːɪŋ), *vbl. sb.* [f. VIEW *v.*] The action of beholding or observing; examination or inspection; *spec.* (*a*) (*U.S.*) The action of taking a last look at the body of a dead person before the funeral; a time during which visitors may so view a body; (*b*) the activity of watching television; an instance or period of this.

1548 COOPER *Elyot's Dict., Inspectio,*..a viewynge. **1561** T. NORTON *Calvin's Inst.* I. xv. (1634) 79 The Understanding minde, which with..quiet viewing beholdeth all those things that Reason is wont to discourse upon. **1582** STANYHURST *Æneis* III. (Arb.) 79 Thee mount Leucates..Vp peaks to the viewing. **1593** *Galway Arch.* in *10th Rep. Hist. MSS. Comm.* App. V. 453 A gennerall Assembly houlden..for vewinge of the waste plott of grounde. **1613** in *Scott. Hist. Rev.* Oct. (1910) 12 Denton had the veweing and marshalling of all his evidences and was trusted to have access unto them at his pleasure. **1633** EARL MANCH. *Al Mondo* (1636) 139 Often viewing will make familiar, and free it from distaste. **1672** PENN in *Life Wks.* 1726 I. 45 Such as foolishly think thy Dreams and Impostures worth a viewing. **1785** BURNS *To W. Simpson* Postscr. iii, They thought the Moon..Woor by degrees, till her last roon Gaed past their viewin. **1838** J. P. KENNEDY *Rob of Bowl* xiv, People are quick to censure, especially such as look to the tobacco viewing.

(*a*) **1944** *Casket & Sunnyside* Dec. 31/3 At least during the trying hours of the viewings we had individualized the setting. **1955** HABENSTEIN & LAMERS *Hist. Amer. Funeral Directing* xiii. 571 The viewing is controlled in some parts of the country by the funeral director to the extent that certain visiting hours are established. **1956** *Washington Post* 10 Feb. 33/7 In addition to the viewing the mass also will be open to all who choose to attend. **1963** J. MITFORD *Amer. Way of Death* vi. 95 Demonstrably flimsy and ridiculous as the justifications for universal embalming and 'viewing' may be, they have nonetheless proved very effective and so far have been safe from authoritative contradiction. **1968** H. WAUGH *'30' Manhattan East* (1969) 182 The funeral home in which Monica Glazzard's mortal remains were to be displayed was on Lexington Avenue..and the viewing was..Friday night from 8 P.M.

(*b*) **1959** *20th Cent.* Nov. 315 After a year's viewing the newcomer to television does view rather less than at first. **1960** *Guardian* 22 July 4/6 Much of the output..[is] unsuitable for 'family viewing'. **1974** *Times* 28 Feb. 16/8 The material is largely composed of old favourites, but that is an irony of television..a second, even third, viewing is welcome.

attrib. **1571** DIGGES *Pantom.* I. xxi. G j, If it be lower at the glasse than at the viewing station. **1897** *Pop. Sci. Monthly* Nov. 138 The viewing differ from the taking screens. **1936** *Times* 15 May 13/2 A few weeks ago a similar viewing post was opened in Berlin. **1940** *Chambers's Techn. Dict.* 893/1 *Viewing room,* a small projection theatre in a studio, for viewing rushes and completed films during the process of

EXHIBIT H
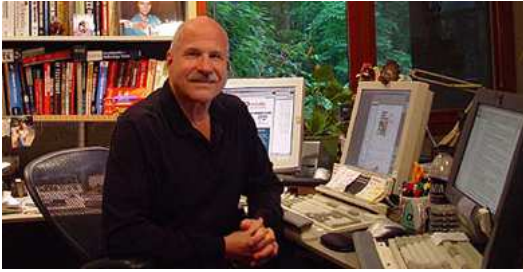
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LOOK UP ANOTHER TERM

[Go]

view

(1) To display and look at data on screen.

(2) In relational database management, a special display of data, created as needed. A view temporarily ties two or more files together so that the combined files can be displayed, printed or queried; for example, customers and orders or vendors and purchases. Fields to be included are specified by the user. The original files are not permanently linked or altered; however, if the system allows editing, the data in the original files will be changed.

Before/After Your Search Term

Before	After
VideoHD	View headset
VideoID	viewable image
VideoLAN	Viewdata
videophile	viewer
videophone	viewfinder
videophoning	viewfinder error
videotape	viewing angle
videotex	viewing frustrum
videotext	viewing frustum
Vienna	viewing options

Terms By Topic
Click any of the following categories for a list of fundamental terms.

Computer Words You Gotta Know   System design

Job categories   Unix/Linux

Interesting stuff

Personal computers

Internet

Industrial Automation/Process
Control

Communications &
networking

Associations/Standards
organizations

History

Desktop publishing

Audio/Video

Graphics

Mainframes

Security

Programming

Healthcare IT

System design

EXHIBIT I

Microsoft

Microsoft
Computer
Dictionary
Fifth Edition
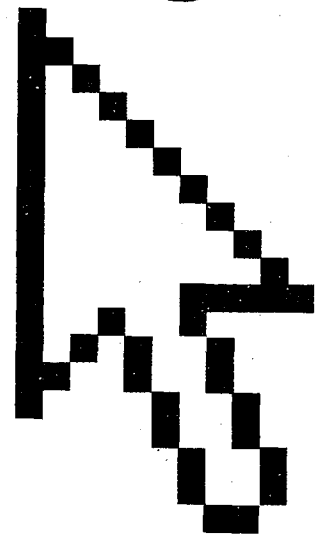
PHI Learning Private Limited

video display tube *n. See* CRT.

video display unit *n. See* monitor.

video DRAM *n. See* video RAM.

video driver *n.* Software that provides the interface between the video adapter hardware and other programs, including the operating system. The user can access the video driver to specify the resolution and color-bit depth of images on the monitor during the setup process. *See also* driver, monitor, video adapter.

video editor *n.* A device or program used to modify the contents of a video file.

Video Electronics Standards Association *n. See* VESA[2].

video game *n. See* computer game.

Video Graphics Adapter or **Video Graphics Array** *n. See* VGA.

video graphics board *n.* A video adapter that generates video signals for displaying graphical images on a video screen.

video look-up table *n. See* color look-up table.

video memory *n.* Memory from which a display image is created, located in the video adapter or video subsystem. If both the video processor and the central processing unit (CPU) have access to video memory, images are produced by the CPU's modification of video memory. Video circuitry normally has priority over the processor when both attempt to read or write to a video memory location, so updating video memory is often slower than accessing main memory. *See also* video RAM.

video mode *n.* The manner in which a computer's video adapter and monitor display on-screen images. The most common modes are text (character) mode and graphics mode. In text mode, characters include letters, numbers, and some symbols, none of which are "drawn" on screen dot by dot. In contrast, graphics mode produces all screen images, whether text or art, as patterns of pixels (dots) that are drawn one pixel at a time.

videophone *n.* A device equipped with camera and screen, as well as a microphone and speaker, capable of transmitting and receiving video signals as well as voice over a telephone line. Using conventional telephone lines, a videophone can transmit only freeze-frame video. *See also* freeze-frame video.

video port *n.* A cable connector or port on a computer that outputs video signals to a monitor.

video RAM *n.* A special type of dynamic RAM (DRAM) used in high-speed video applications. Video RAM uses separate pins for the processor and the video circuitry, providing the video circuitry with a back door to the video RAM. The video circuitry can access the video RAM serially (bit by bit), which is more appropriate for transferring pixels to the screen than is the parallel access provided by conventional DRAM. *Acronym:* VRAM. *See also* dynamic RAM.

video server *n.* A server designed to deliver digital video-on-demand and other broadband interactive services to the public over a wide area network.

video signal *n.* The signal sent from a video adapter or other video source to a raster display. The signal can include horizontal and vertical synchronization signals, as well as image information. *See also* composite video display, RGB monitor.

video terminal *n. See* terminal (definition 1).

videotex *n.* An interactive information retrieval service designed to be accessed by subscribers over telephone lines. Information can be displayed on a home television screen or a videotex terminal. Subscribers use keypads to choose from menus and to request specific screens, or pages. *Also called:* videotext.

videotext *n. See* videotex.

Vienna Definition Language *n. See* VDL.

view[1] *n.* **1.** The display of data or an image from a given perspective or location. **2.** In relational database management systems, a logical table created through the specification of one or more relational operations on one or more tables. A view is equivalent to a divided relation in the relational model. *See also* relational database, relational model.

view[2] *vb.* To cause an application to display information on a computer screen.

viewer *n.* An application that displays or otherwise outputs a file in the same way as the application that created the file. An example of a viewer is a program to display the images stored in GIF or JPEG files. *See also* GIF, JPEG.

viewport *n.* In computer graphics, a view of a document or an image. A viewport is similar to the view in a window, but usually only part of the document or graphical image is visible. *Compare* window.

vine *n.* A means of distributing audiotape copies that is similar to a tape tree. Because vine tapes are digital in for-

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EXHIBIT J

SplitView Class

Represents a container with two views; one view for the main content and another view that is typically used for navigation commands.

✎ Edit

In this article

Definition

Remarks

Constructors

Properties

Events

See Also

C#	⧉ Copy

```csharp
public class SplitView : Control, ISplitView, ISplitView2
```

XAML	⧉ Copy

```xaml
<SplitView>
  <SplitView.Content>
    singleObject
  </SplitView.Content>
  <SplitView.Pane>
    singleObject
  </SplitView.Pane>
</SplitView>
```

Inheritance DependencyObject → UIElement → FrameworkElement → Control → SplitView

Attributes ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

Windows 10 requirements

Device family	Windows 10 (introduced v10.0.10240.0)
API contract	Windows.Foundation.UniversalApiContract (introduced v1)

Inherited Members

Inherited properties

AccessKey, AccessKeyProperty, AccessKeyScopeOwner, AccessKeyScopeOwnerProperty, ActualHeight, ActualHeightProperty, ActualWidth, ActualWidthProperty, AllowDrop, AllowDropProperty, AllowFocusOnInteraction, AllowFocusOnInteractionProperty, AllowFocusWhenDisabled, AllowFocusWhenDisabledProperty, Background, BackgroundProperty, BaseUri, BorderBrush, BorderBrushProperty, BorderThickness, BorderThicknessProperty, CacheMode, CacheModeProperty, CanDrag, CanDragProperty, CharacterSpacing, CharacterSpacingProperty, Clip, ClipProperty, CompositeMode, CompositeModeProperty, ContextFlyout, ContextFlyoutProperty, DataContext, DataContextProperty, DefaultStyleKey, DefaultStyleKeyProperty, DefaultStyleResourceUri, DefaultStyleResourceUriProperty, DesiredSize, Dispatcher, DoubleTappedEvent, DragEnterEvent, DragLeaveEvent, DragOverEvent, DropEvent, ElementSoundMode, ElementSoundModeProperty, ExitDisplayModeOnAccessKeyInvoked, ExitDisplayModeOnAccessKeyInvokedProperty, FlowDirection, FlowDirectionProperty, FocusState, FocusStateProperty, FocusVisualMargin, FocusVisualMarginProperty, FocusVisualPrimaryBrush, FocusVisualPrimaryBrushProperty, FocusVisualPrimaryThickness, FocusVisualPrimaryThicknessProperty, FocusVisualSecondaryBrush, FocusVisualSecondaryBrushProperty, FocusVisualSecondaryThickness, FocusVisualSecondaryThicknessProperty, FontFamily, FontFamilyProperty, FontSize, FontSizeProperty, FontStretch, FontStretchProperty, FontStyle, FontStyleProperty, FontWeight, FontWeightProperty, Foreground, ForegroundProperty, GettingFocusEvent, Height, HeightProperty, HighContrastAdjustment, HighContrastAdjustmentProperty, HoldingEvent, HorizontalAlignment, HorizontalAlignmentProperty, HorizontalContentAlignment, HorizontalContentAlignmentProperty, IsAccessKeyScope, IsAccessKeyScopeProperty, IsDoubleTapEnabled, IsDoubleTapEnabledProperty, IsEnabled, IsEnabledProperty, IsFocusEngaged, IsFocusEngagedProperty, IsFocusEngagementEnabled, IsFocusEngagementEnabledProperty, IsHitTestVisible, IsHitTestVisibleProperty, IsHoldingEnabled, IsHoldingEnabledProperty, IsRightTapEnabled, IsRightTapEnabledProperty, IsTabStop, IsTabStopProperty, IsTapEnabled, IsTapEnabledProperty, IsTemplateFocusTargetProperty, IsTemplateKeyTipTargetProperty, IsTextScaleFactorEnabled, IsTextScaleFactorEnabledProperty, KeyDownEvent, KeyTipHorizontalOffset, KeyTipHorizontalOffsetProperty, KeyTipPlacementMode, KeyTipPlacementModeProperty, KeyTipVerticalOffset, KeyTipVerticalOffsetProperty, KeyUpEvent, Language, LanguageProperty, Lights, LightsProperty, LosingFocusEvent, ManipulationCompletedEvent, ManipulationDeltaEvent, ManipulationInertiaStartingEvent, ManipulationMode, ManipulationModeProperty, ManipulationStartedEvent, ManipulationStartingEvent, Margin, MarginProperty, MaxHeight, MaxHeightProperty, MaxWidth, MaxWidthProperty, MinHeight, MinHeightProperty, MinWidth, MinWidthProperty, Name, NameProperty, NoFocusCandidateFoundEvent, Opacity, OpacityProperty, Padding, PaddingProperty, Parent, PointerCanceledEvent, PointerCaptureLostEvent, PointerCaptures, PointerCapturesProperty, PointerEnteredEvent, PointerExitedEvent, PointerMovedEvent, PointerPressedEvent, PointerReleasedEvent, PointerWheelChangedEvent, Projection, ProjectionProperty, RenderSize, RenderTransform, RenderTransformOrigin,

RenderTransformOriginProperty, RenderTransformProperty, RequestedTheme, RequestedThemeProperty, RequiresPointer, RequiresPointerProperty, Resources, RightTappedEvent, Style, StyleProperty, TabFocusNavigation, TabFocusNavigationProperty, TabIndex, TabIndexProperty, TabNavigation, TabNavigationProperty, Tag, TagProperty, TappedEvent, Template, TemplateProperty, Transform3D, Transform3DProperty, Transitions, TransitionsProperty, Triggers, UseLayoutRounding, UseLayoutRoundingProperty, UseSystemFocusVisuals, UseSystemFocusVisualsProperty, VerticalAlignment, VerticalAlignmentProperty, VerticalContentAlignment, VerticalContentAlignmentProperty, Visibility, VisibilityProperty, Width, WidthProperty, XYFocusDown, XYFocusDownNavigationStrategy, XYFocusDownNavigationStrategyProperty, XYFocusDownProperty, XYFocusKeyboardNavigation, XYFocusKeyboardNavigationProperty, XYFocusLeft, XYFocusLeftNavigationStrategy, XYFocusLeftNavigationStrategyProperty, XYFocusLeftProperty, XYFocusRight, XYFocusRightNavigationStrategy, XYFocusRightNavigationStrategyProperty, XYFocusRightProperty, XYFocusUp, XYFocusUpNavigationStrategy, XYFocusUpNavigationStrategyProperty, XYFocusUpProperty

Inherited events

AccessKeyDisplayDismissed, AccessKeyDisplayRequested, AccessKeyInvoked, ContextCanceled, ContextRequested, DataContextChanged, DoubleTapped, DragEnter, DragLeave, DragOver, DragStarting, Drop, DropCompleted, FocusDisengaged, FocusEngaged, GettingFocus, GotFocus, Holding, IsEnabledChanged, KeyDown, KeyUp, LayoutUpdated, Loaded, Loading, LosingFocus, LostFocus, ManipulationCompleted, ManipulationDelta, ManipulationInertiaStarting, ManipulationStarted, ManipulationStarting, NoFocusCandidateFound, PointerCanceled, PointerCaptureLost, PointerEntered, PointerExited, PointerMoved, PointerPressed, PointerReleased, PointerWheelChanged, RightTapped, SizeChanged, Tapped, Unloaded

Inherited methods

AddHandler(RoutedEvent,Object,Boolean), ApplyTemplate, Arrange(Rect), ArrangeOverride(Size), CancelDirectManipulations, CapturePointer(Pointer), ClearValue(DependencyProperty), DeferTree(DependencyObject), FindName(String), FindSubElementsForTouchTargeting(Point,Rect), Focus(FocusState), GetAnimationBaseValue(DependencyProperty), GetBindingExpression(DependencyProperty), GetIsTemplateFocusTarget(FrameworkElement), GetIsTemplateKeyTipTarget(DependencyObject), GetTemplateChild(String), GetValue(DependencyProperty), GoToElementStateCore(String,Boolean), InvalidateArrange, InvalidateMeasure, Measure(Size), MeasureOverride(Size), OnApplyTemplate, OnCreateAutomationPeer, OnDisconnectVisualChildren, OnDoubleTapped(DoubleTappedRoutedEventArgs), OnDragEnter(DragEventArgs), OnDragLeave(DragEventArgs), OnDragOver(DragEventArgs), OnDrop(DragEventArgs), OnGotFocus(RoutedEventArgs), OnHolding(HoldingRoutedEventArgs), OnKeyDown(KeyRoutedEventArgs), OnKeyUp(KeyRoutedEventArgs), OnLostFocus(RoutedEventArgs), OnManipulationCompleted(ManipulationCompletedRoutedEventArgs),

OnManipulationDelta(ManipulationDeltaRoutedEventArgs),

OnManipulationInertiaStarting(ManipulationInertiaStartingRoutedEventArgs),

OnManipulationStarted(ManipulationStartedRoutedEventArgs),

OnManipulationStarting(ManipulationStartingRoutedEventArgs),

OnPointerCanceled(PointerRoutedEventArgs), OnPointerCaptureLost(PointerRoutedEventArgs),

OnPointerEntered(PointerRoutedEventArgs), OnPointerExited(PointerRoutedEventArgs),

OnPointerMoved(PointerRoutedEventArgs), OnPointerPressed(PointerRoutedEventArgs),

OnPointerReleased(PointerRoutedEventArgs),

OnPointerWheelChanged(PointerRoutedEventArgs),

OnRightTapped(RightTappedRoutedEventArgs), OnTapped(TappedRoutedEventArgs),

ReadLocalValue(DependencyProperty),

RegisterPropertyChangedCallback(DependencyProperty,DependencyPropertyChangedCallback),

ReleasePointerCapture(Pointer), ReleasePointerCaptures, RemoveFocusEngagement,

RemoveHandler(RoutedEvent,Object), SetBinding(DependencyProperty,BindingBase),

SetIsTemplateFocusTarget(FrameworkElement,Boolean),

SetIsTemplateKeyTipTarget(DependencyObject,Boolean), SetValue(DependencyProperty,Object),

StartBringIntoView, StartBringIntoView(BringIntoViewOptions), StartDragAsync(PointerPoint),

TransformToVisual(UIElement), TryStartDirectManipulation(Pointer),

UnregisterPropertyChangedCallback(DependencyProperty,Int64), UpdateLayout

Remarks

SplitView The SplitView control presents two areas of content: a Pane and the main Content. You typically use a SplitView to create a top-level navigation experience that adapts to different screen widths following the nav pane pattern, but it's not strictly limited to use for navigation.

The XAML for this SplitView is shown in the Examples section.
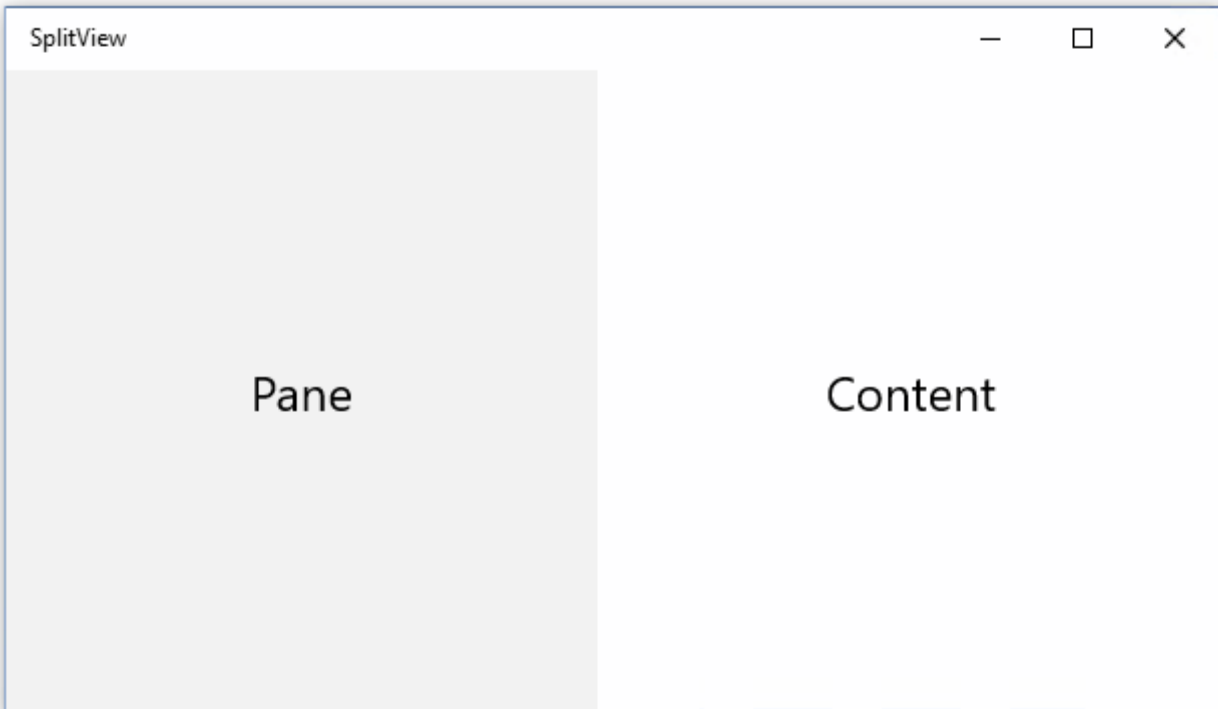
The Content area is always present and can contain a single child element, which is typically a Panel derived container that contains additional child elements. Although the Content is always present, it can be completely covered by the Pane.

There are several properties you can set to control the appearance and behavior of the Pane. Set the IsPaneOpen property to open or close the Pane. The SplitView does not include a built-in affordance for users to toggle the state of the Pane, like a menu (or "hamburger") button. You must provide this affordance and the code to toggle the IsPaneOpen property.

To specify the length of the open pane, set the OpenPaneLength property. You can set the PanePlacement property to have the Pane appear on either the left or right side of the Content.

Although the appearance of the control is largely based on the elements assigned to the Pane and Content, you can change the default background color of the Pane by setting the PaneBackground.

Set the DisplayMode property to configure the interaction of the Pane with the Content. By default, the Pane overlays the Content and disappears completely when closed. You can use one of the "inline" modes to show the Pane side-by-side with the Content. You can use the "compact" modes to make a narrow section of the Pane remain visible even when the Pane is closed. See the SplitViewDisplayMode enumeration for more info about the supported modes.

For design guidance, see Guidelines for the split view control.

For more info and examples on building a top-level navigation experience, see Guidelines for navigation panes and the XAML Navigation Menu sample.

Examples

Here's a SplitView control with an open Pane appearing inline next to the Content.

XAML	📋 Copy

```xaml
<SplitView IsPaneOpen="True"
           DisplayMode="Inline"
           OpenPaneLength="296">
    <SplitView.Pane>
        <TextBlock Text="Pane"
                   FontSize="24"
                   VerticalAlignment="Center"
                   HorizontalAlignment="Center"/>
    </SplitView.Pane>

    <Grid>
        <TextBlock Text="Content"
                   FontSize="24"
                   VerticalAlignment="Center"
                   HorizontalAlignment="Center"/>
    </Grid>
</SplitView>
```

Constructors

SplitView()   ✏ Edit

Initializes a new instance of the SplitView class.

C#	📋 Copy

```csharp
public SplitView()
```

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute,
              StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute,
              ContentPropertyAttribute

Properties

CompactPaneLength   ✏ Edit

Gets or sets the width of the SplitView pane in its compact display mode.

C#	📋 Copy

```
public double CompactPaneLength { get; set; }
```

XAML	🗇 Copy

```
<SplitView CompactPaneLength="double" .../>
```

Value   double

The width of the pane in it's compact display mode. The default is 48 device-independent pixel (DIP) (defined by the **SplitViewCompactPaneThemeLength** resource).

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

Remarks

This property specifies the width of the pane when DisplayMode is Compact and IsPaneOpen is **false**.

CompactPaneLengthProperty   🖉 Edit

Identifies the CompactPaneLength dependency property.

C#	🗇 Copy

```
public static DependencyProperty CompactPaneLengthProperty { get; }
```

Value   DependencyProperty

The identifier for the CompactPaneLength dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

See Also   Dependency properties overview

Content   🖉 Edit

Gets or sets the contents of the main panel of a SplitView.

C#	🗇 Copy

```
public UIElement Content { get; set; }
```

XAML	Copy

```xaml
<SplitView>
  singleObject
</SplitView>
```

Value   UIElement

The contents of the main panel of a SplitView. The default is **null**.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

ContentProperty   ✏ Edit

Identifies the Content dependency property.

C#	Copy

```csharp
public static DependencyProperty ContentProperty { get; }
```

Value   DependencyProperty

The identifier for the Content dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

See Also   Dependency properties overview

DisplayMode   ✏ Edit

Gets of sets a value that specifies how the pane and content areas of a SplitView are shown.

C#	Copy

```csharp
public SplitViewDisplayMode DisplayMode { get; set; }
```

XAML	Copy

```xml
<SplitView DisplayMode="splitViewDisplayModeMemberName" />
```

Value   SplitViewDisplayMode

A value of the enumeration that specifies how the pane and content areas of a SplitView are shown. The default is **Overlay**.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

DisplayModeProperty   ✏ Edit

Identifies the DisplayMode dependency property.

C#	🗋 Copy

```csharp
public static DependencyProperty DisplayModeProperty { get; }
```

Value   DependencyProperty

The identifier for the DisplayMode dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

See Also   Dependency properties overview

IsPaneOpen   ✏ Edit

Gets or sets a value that specifies whether the SplitView pane is expanded to its full width.

C#	🗋 Copy

```csharp
public bool IsPaneOpen { get; set; }
```

XAML	🗋 Copy

```xml
<SplitView IsPaneOpen="bool" .../>
```

Value   bool

true if the pane is expanded to its full width; otherwise, **false**. The default is **true**.

Attributes　　ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

Remarks

The effects of this property are influenced by the value of the DisplayMode property.

DisplayMode	Effect
Inline	IsPaneOpen is **true**.
Overlay	When IsPaneOpen is **false**, the pane is hidden.
Compact	When IsPaneOpen is **false**, the pane is shown in its compact size (see CompactPaneLength).

IsPaneOpenProperty　　　　　　　　　　　　　　🖉 Edit

Identifies the IsPaneOpen dependency property.

C#	🗐 Copy

```csharp
public static DependencyProperty IsPaneOpenProperty { get; }
```

Value　　　DependencyProperty

The identifier for the IsPaneOpen dependency property.

Attributes　　ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

See Also　　Dependency properties overview

LightDismissOverlayMode　　　　　　　　　　　🖉 Edit

Gets or sets a value that specifies whether the area outside of a *light-dismiss* UI is darkened.

C#	🗐 Copy

```csharp
public LightDismissOverlayMode LightDismissOverlayMode { get; set; }
```

Value　　　LightDismissOverlayMode

A value of the enumeration that specifies whether the area outside of a light-dismiss UI is darkened. The default is **Auto**.

Attributes	ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

Additional features and requirements

Device family	Windows 10 Anniversary Edition (introduced v10.0.14393.0)
API contract	Windows.Foundation.UniversalApiContract (introduced v3)

Remarks

Transient UI, such as open pane of a SplitView, closes when you click or tap outside of it. This is called light-dismiss. "Overlay" refers to the area outside of a light-dismiss UI.

By default, the "overlay" is darkened on the Xbox, and not darkened on other devices families. You can set LightDismissOverlayMode to **On** to make your app darken the "overlay" area on all device families, or set it to **Off** to not darken the "overlay" area on all device families.

Version compatibility

The LightDismissOverlayMode property is not available prior to Windows 10, version 1607. If your app's 'minimum platform version' setting in Microsoft Visual Studio is less than the 'introduced version' shown in the Requirements block later in this page, you must design and test your app to account for this. For more info, see Version adaptive code.

To avoid exceptions when your app runs on previous versions of Windows 10, do not set this property in XAML or use it without performing a runtime check. This example shows how to use the ApiInformation class to check for the presence of this property before you set it.

C#	⧉ Copy

```csharp
private void MainPage_Loaded(object sender, RoutedEventArgs e)
{
    if (ApiInformation.IsPropertyPresent("Windows.UI.Xaml.Controls.SplitView"
    {
        splitView1.LightDismissOverlayMode = LightDismissOverlayMode.On;
    }
}
```

LightDismissOverlayModeProperty   ✎ Edit

Identifies the LightDismissOverlayMode dependency property.

```C#
public static DependencyProperty LightDismissOverlayModeProperty { get; }
```

Value   DependencyProperty

The identifier for the LightDismissOverlayMode dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

Additional features and requirements

Device family	Windows 10 Anniversary Edition (introduced v10.0.14393.0)
API contract	Windows.Foundation.UniversalApiContract (introduced v3)

OpenPaneLength   ✎ Edit

Gets or sets the width of the SplitView pane when it's fully expanded.

```C#
public double OpenPaneLength { get; set; }
```

```XAML
<SplitView OpenPaneLength="double" .../>
```

Value   double

The width of the SplitView pane when it's fully expanded. The default is 320 device-independent pixel (DIP).

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

OpenPaneLengthProperty   ✎ Edit

Identifies the OpenPaneLength dependency property.

C#   🗐 Copy

```
public static DependencyProperty OpenPaneLengthProperty { get; }
```

Value   DependencyProperty

The identifier for the OpenPaneLength dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute,
StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute,
ContentPropertyAttribute

See Also   Dependency properties overview

Pane   🖉 Edit

Gets or sets the contents of the pane of a SplitView.

C#	📋 Copy

```
public UIElement Pane { get; set; }
```

XAML	📋 Copy

```
<SplitView>
  singleObject
  <SplitView.Pane>
    singleObject
  </SplitView.Pane>
</SplitView>
```

Value   UIElement

The contents of the pane of a SplitView. The default is **null**.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute,
StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute,
ContentPropertyAttribute

PaneBackground   🖉 Edit

Gets or sets the Brush to apply to the background of the Pane area of the control.

C#	📋 Copy

```
public Brush PaneBackground { get; set; }
```

```
XAML                                                              Copy

  <SplitView PaneBackground="{StaticResource resourceName}"/>
```

Value   Brush

The Brush to apply to the background of the Pane area of the control.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute,
                 StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute,
                 ContentPropertyAttribute

PaneBackgroundProperty   ✎ Edit

Identifies the PaneBackground dependency property.

```
C#                                                               Copy

  public static DependencyProperty PaneBackgroundProperty { get; }
```

Value   DependencyProperty

The identifier for the PaneBackground dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute,
                 StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute,
                 ContentPropertyAttribute

See Also   Dependency properties overview

PanePlacement   ✎ Edit

Gets or sets a value that specifies whether the pane is shown on the right or left side of the
SplitView.

```
C#                                                               Copy

  public SplitViewPanePlacement PanePlacement { get; set; }
```

```
XAML                                                             Copy

  <SplitView PanePlacement="splitViewPanePlacementMemberName" />
```

Value   SplitViewPanePlacement

A value of the enumeration that specifies whether the pane is shown on the right or left side of the SplitView. The default is **Left**.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

PanePlacementProperty   ✏ Edit

Identifies the PanePlacement dependency property.

C#	🗐 Copy

```
public static DependencyProperty PanePlacementProperty { get; }
```

Value   DependencyProperty

The identifier for the PanePlacement dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

See Also   Dependency properties overview

PaneProperty   ✏ Edit

Identifies the Pane dependency property.

C#	🗐 Copy

```
public static DependencyProperty PaneProperty { get; }
```

Value   DependencyProperty

The identifier for the Pane dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

See Also   Dependency properties overview

TemplateSettings   ✎ Edit

Gets an object that provides calculated values that can be referenced as **TemplateBinding** sources when defining templates for a SplitView control.

C#	🗐 Copy

```csharp
public SplitViewTemplateSettings TemplateSettings { get; }
```

Value   SplitViewTemplateSettings

An object that provides calculated values for templates.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

TemplateSettingsProperty   ✎ Edit

Identifies the TemplateSettings dependency property.

C#	🗐 Copy

```csharp
public static DependencyProperty TemplateSettingsProperty { get; }
```

Value   DependencyProperty

The identifier for the TemplateSettings dependency property.

Attributes   ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

See Also   Dependency properties overview

Events

PaneClosed   ✎ Edit

Occurs when the SplitView pane is closed.

C#	🗐 Copy

```csharp
public event TypedEventHandler PaneClosed
```

```XAML
<SplitView PaneClosed="eventhandler"/>
```

Attributes ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

PaneClosing   ✎ Edit

Occurs when the SplitView pane is closing.

```C#
public event TypedEventHandler PaneClosing
```

```XAML
<SplitView PaneClosing="eventhandler"/>
```

Attributes ComposableAttribute, ContractVersionAttribute, MarshalingBehaviorAttribute, StaticAttribute, StaticAttribute, ThreadingAttribute, WebHostHiddenAttribute, ContentPropertyAttribute

Remarks

Set the SplitViewPaneClosingEventArgs.Cancel property to **true** in a handler for this event in order to cancel a SplitView pane closing action.

See Also

- Guidelines for the split view control
- Guidelines for navigation panes
- Navigation menu (XAML) sample (Windows 10)
- Tailored multiple views sample (Windows 10)

Guidelines for the split view control

A split view control has an expandable/collapsible pane and a content area. The content area is always visible. The pane can expand and collapse or remain in an open state, and can present itself from either the left side or right side of an app window. The pane has three modes:

- **Overlay**
  The pane is hidden until opened. When open, the pane overlays the content area.

- **Inline**
  The pane is always visible and doesn't overlay the content area. The pane and content areas divide the available screen real estate.

- **Compact**
  The pane is always visible in this mode, which is just wide enough to show icons (usually 48 epx wide). The pane and the content area divide the available screen real estate. Although the standard compact mode doesn't overlay the content area, it can transform to a wider pane to show more content which will overlay the content area.

In this article

Is this the right control?

Examples

Recommendations

Related topics

Important APIs

- **SplitView class (XAML)**
- **SplitView object (HTML)**

Is this the right control?

The split view control can be used to make a nav pane pattern. To build this pattern, add an expand/collapse button (the "hamburger" button) and a list view need to the split view control.

Examples

The split view control in its default form is a basic container. With a button and a list view added, the split view control is ready as a navigation menu. Here are examples of the split view as a navigation menu, in expanded and compact modes.
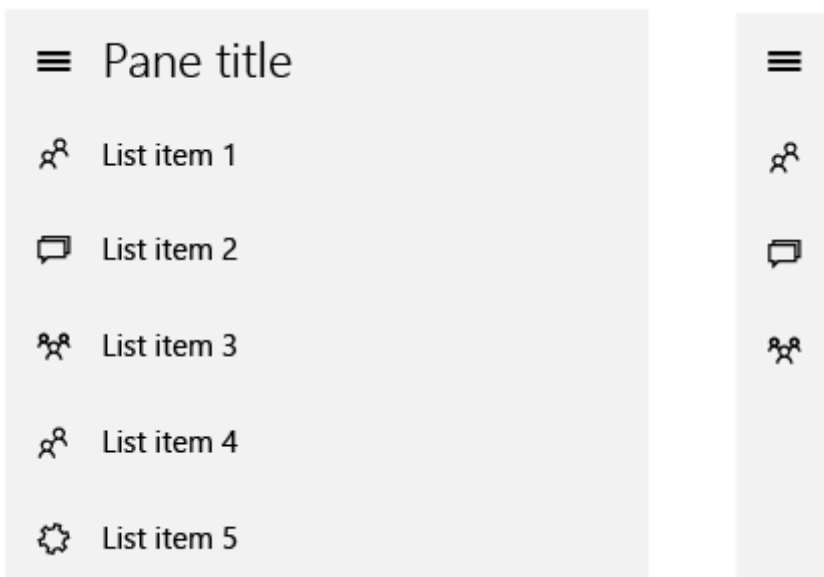
Recommendations

- When using split view for a navigation menu, we recommend placing in the pane navigation controls that allow access to other areas of the app. Using the pane for navigation provides a consistent user experience. In addition, this menu implementation can help familiarize users to all parts of an app, provide quick access to the app's home page, and can encourage users to explore more areas of the app.

[This article contains information that is specific to Universal Windows Platform (UWP) apps and Windows 10. For Windows 8.1 guidance, please download the Windows 8.1 guidelines PDF .]

Related topics

Nav pane pattern
List view

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Office ⌄

Apps ⌄

Install

Account

Training

Admin

Split a view

Applies To: Project Professional 2016, Project Professional 2013, More...

==Split a view to see two different types of project information—two views—on your screen at the same time. For example, you can drill down into the details about a specific task without losing the big picture shown in the Gantt Chart.==

1. Click **View**, and then select the **Details** check box. Next to the check box, pick the view you want for the bottom half of the screen.

2. Select a task or resource in the top view.

3. More detail appears about the task in the bottom view.

4. To get rid of the split at any time, double-click the double line between the top and bottom views.

Check **Details**, then select view type for bottom half.
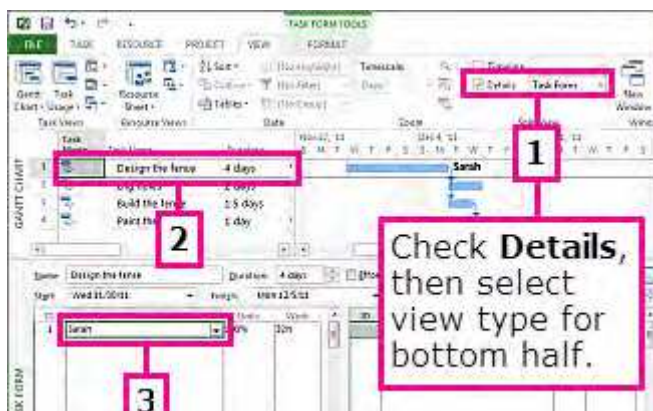
Was this information helpful?   Yes   No ✕

Project management tip   The top view is almost always the *active view*, which controls what shows up in the other view. The bottom view usually shows details about tasks, resources, or assignments you select up top.

Add a report to a split view

Reports help you see a lot more project information in a split view.

For example, you can put a report that shows the percent complete of each summary task in the top view. Then add the Gantt Chart to the bottom view to troubleshoot the project.

1. Create and customize a report. You can change colors and add charts, tables, links, and visual effects.

2. Click **View**, and then select the **Details** check box.

3. Next to the check box, pick the view you want for the bottom half of the screen.

Change the top or bottom view

1. Click anywhere in the top or bottom view.

2. Click **View**, and then pick a different view from the **Task Views** or **Resource Views** group.

Was this information helpful?   Yes   No

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Was this information helpful?   Yes   No

EXHIBIT K

Galaxy Tab A – How do I Use Multi Window™ Mode (Multitasking) on my Samsung Galaxy Tab A?

Last Update date : 2015.11.04

Multi Window

Multi window lets you easily complete multiple tasks on one screen. For example, you can take notes while watching a video, or search the web and check your email messages simultaneously. The most commonly used applications are available in the Multi window tray.

Note: Screens and settings available may vary by wireless service provider and software version.

Using Multi Window

Apps that support Multi window display together on a split screen. You can switch between the apps, adjust the size of their display on the screen, and copy information from one app to the other.

Multi window is not available for all apps.

1. From any screen, touch and hold **Recent apps** 　 .
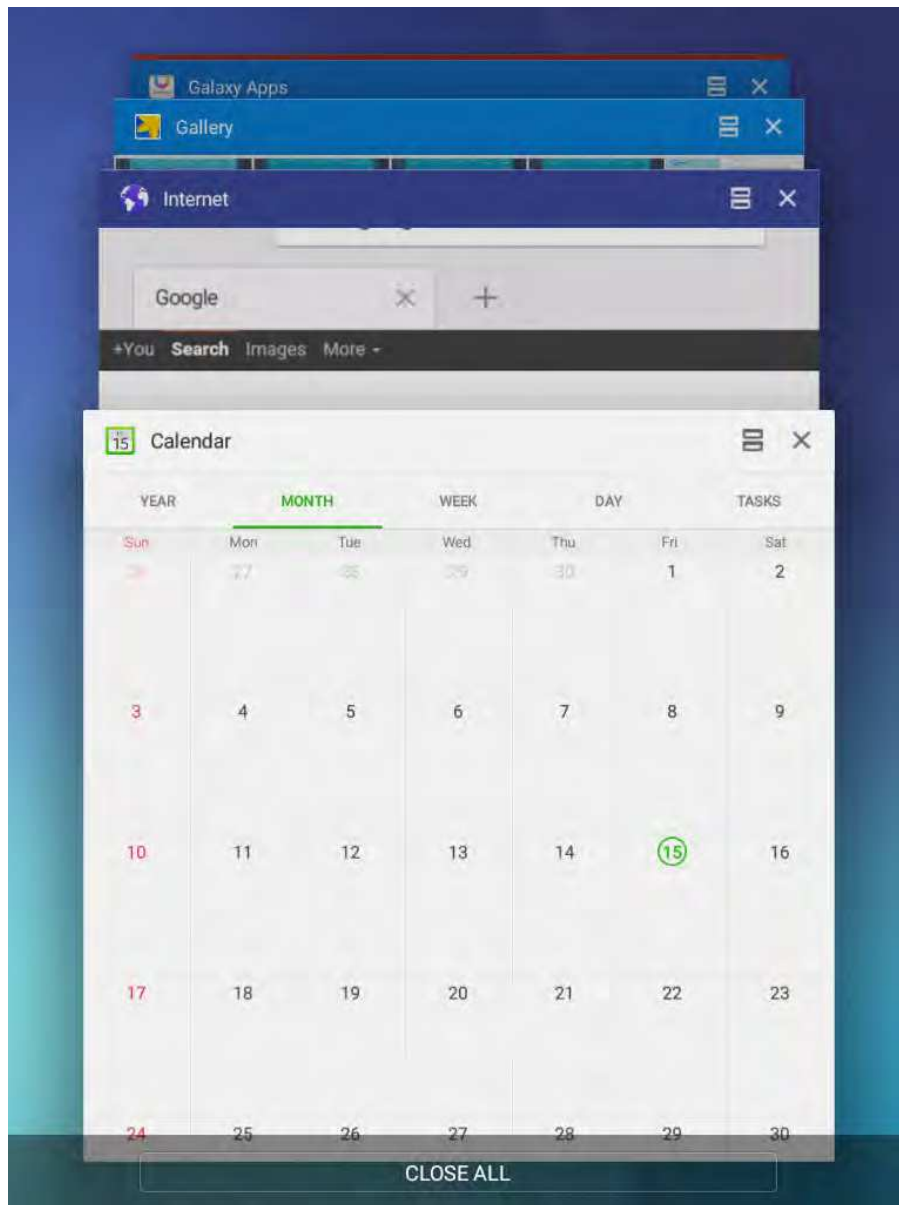
2. If you are currently using an app that supports Multi window, touch an app to add in split screen, or touch two new apps to open in split view.
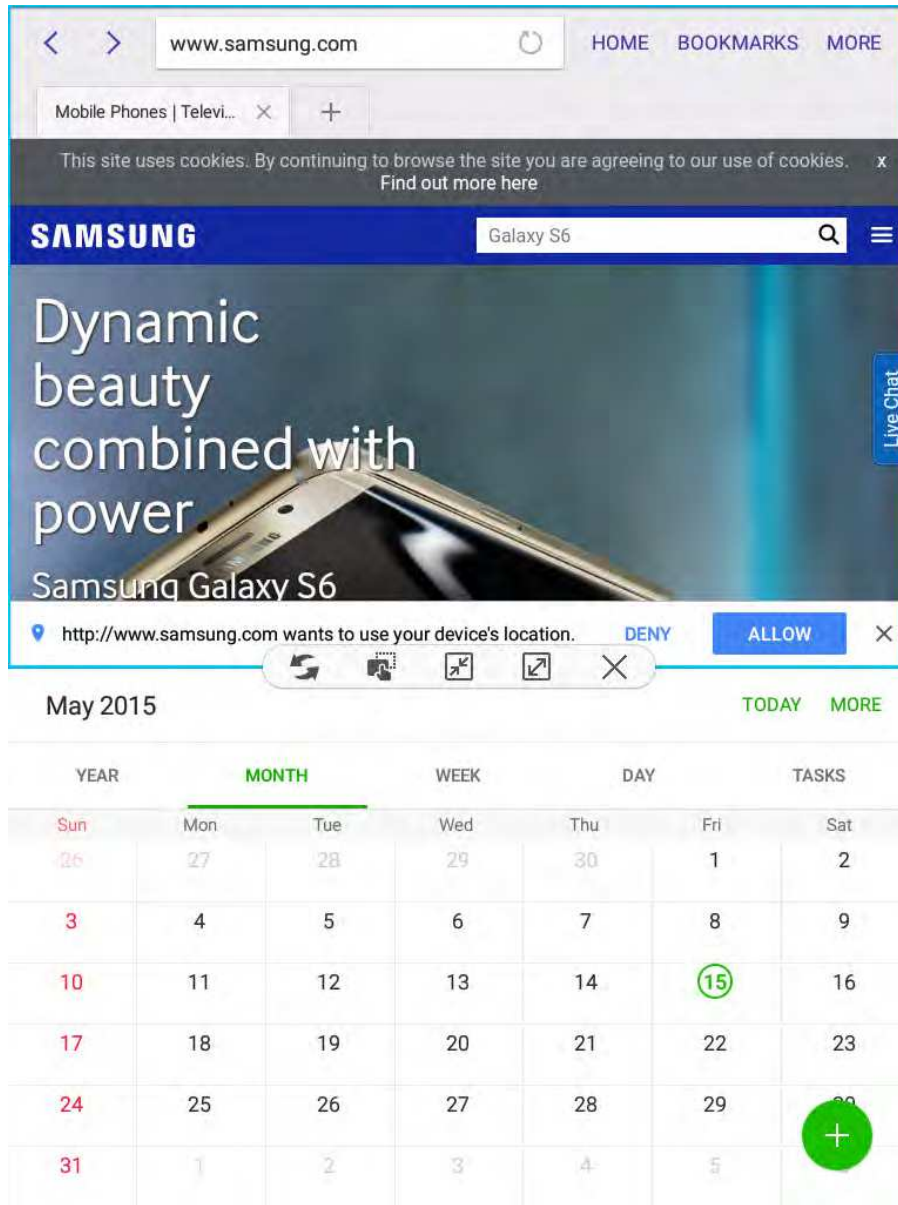
You can also launch recently used apps directly into Multi window view:

1. Touch the **Recent apps** ⬚ key.

2. Recently used apps that support Multi window have a **Multi window** ⬚ icon in the title bar. Touch the Multi window icon in the title bar to launch the application in Multi window view.

3. Other recently used apps that support Multi window appear below the launched app. Touch the app icon to add it to the Multi window view.

Note: Only applications that support Multi window have the Multi window icon.

Window Controls

Select an application window and touch **Control** button ◯ in the middle of the window to display the window controls.

↻ **Switch windows**: Switch locations between Multi window applications.

Drag and drop content: Move items between the application windows. Drag an item to share from one window to another. Some applications may not support this feature.

Minimize window: Minimize the selected app window. This turns the app into a circular, movable icon that can be opened by tapping on it.

Maximize window: Open the selected window in full screen view.

Close app: Close the selected application.

Get started with the Samsung Smart Simulator
The latest and greatest way to get the support you need

Related Model Information

SM-P550NZAAXAC, SM-P550NZWAXAC, SM-T350NZAAXAC, SM-T350NZWAXAC

Related Contents

Galaxy Tab A - What is the Notification Panel, and how do I use it on my Samsung Galaxy Tab A?
Galaxy Tab A - How do I create and delete a calendar event on my Samsung Galaxy Tab A?
Galaxy Tab A - How do I print images or documents directly from my Samsung Galaxy Tab A?
Galaxy Tab A - How do I set alarms on my Samsung Galaxy Tab A?

If you have additional questions or require further assistance, please chat with our experienced technical team online.   Live Chat
※ Our operation hours are 24hours from Monday to Sunday

Contents Satisfaction Survey

Q1. Is this content helpful?

● Yes   ○ No

Q2. How satisfied were you with this content?

● very satisfied
○ Satisfied
○ Somewhat Satisfied
○ Dissatisfied
○ very dissatisfied

Q3. Tell us what you think. What could we have done to answer your question better?

SUBMIT

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EXHIBIT L

Clarity Studio - ==Enable the Split View button functionality==

Technote (FAQ)

Question

How to enable the Split View button functionality in IBM Clarity Studio 7.0.9.4043?

Cause

By default, in IBM Clarity Studio 7.0.9.4043, the Split view is disabled.
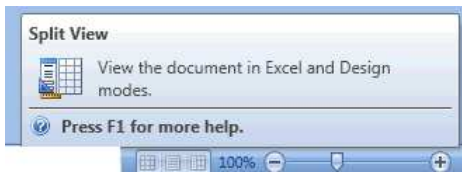
Answer

In order to enable the Split View button, go to Design view, click and drag the Excel tab over the work area in Studio. Before you drop the Excel tab in there you will see the option of having the split above, below, left, or right. Select one and then Split button will be enabled for further use.
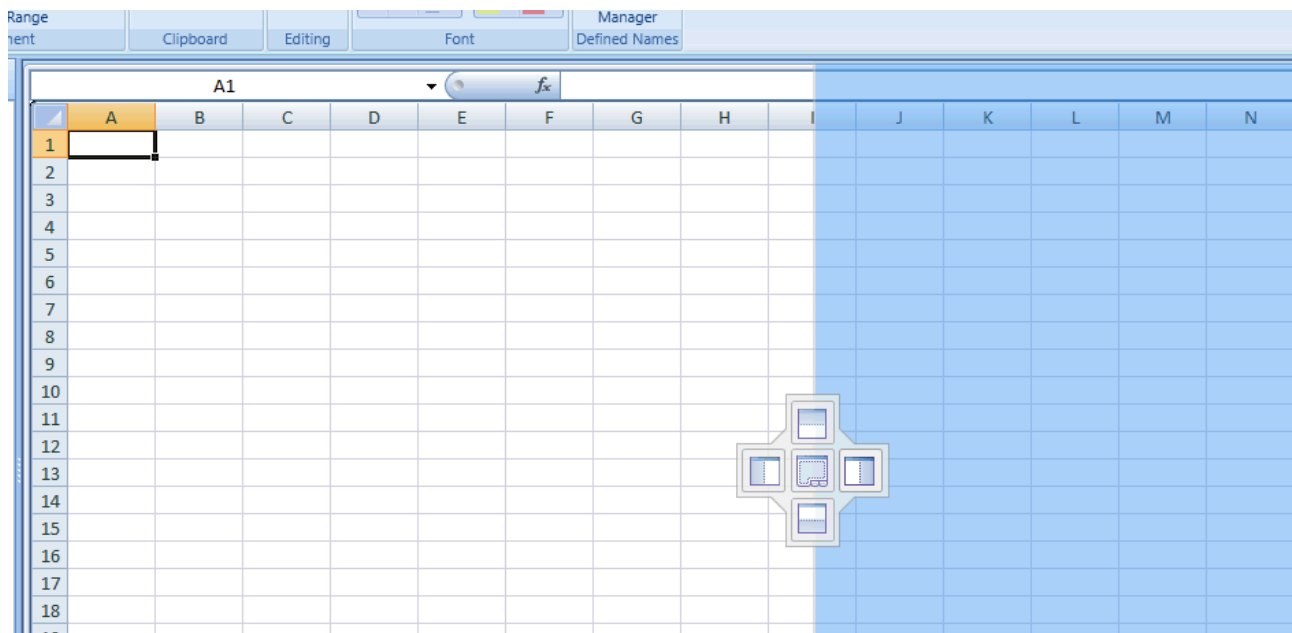
Historical Number

2032

Document information

More support for: Clarity 7
Clarity Studio

Software version: 7.0

Operating system(s): Windows

Reference #: 1582876

Modified date: 26 March 2013

Rich Page Editor

Version … ⌄

Use Rich Page Editor to edit HTML and JSP files, add Dojo widgets to HTML pages, and create and edit web pages for mobile devices. Rich Page Editor is a multi-tabbed editor that provides multiple views to show different representations of your page.

Views

You can use the Source, Design, and Split views in Rich Page Editor to view and work with your files or pages. Each view in Rich Page Editor works with several other views and tools that are included in the Web perspective, including these interface elements:

- Mobile Navigation, Outline, and Properties views

- Toolbar buttons

- Menu bar options

- Pop-up (right-click) menus

- Palette components

Table 1. Rich Page Editor views

Editor view	Description
Source	The Source view helps you to view and work directly with the source code of a file. The Mobile Navigation, Palette, Outline, Page Data, and Properties views have features that supplement the Source view.
Split	The Split view combines the Source and Design views in a split screen view. Changes that you make in one part of the split screen are automatically updated in the other part. You can split the view horizontally or vertically.

Editor view	Description
Design	The Design view is a WYSIWYG environment. This view helps you to create and work with a file while viewing how your web page and dynamic content might look on a mobile device. You can use this view to visually edit files. For example, the Design view includes features that you can use to complete the following tasks: - Drag items from the Palette and Enterprise Explorer views. - Rotate the screen orientation when you use a mobile device profile to view your mobile web page in either portrait or landscape mode. - Scale the mobile device to fit the size of the current Design view. Using this feature, you can see the entire visual canvas without the need to scroll. - View how your page is displayed on different devices by selecting a device from the device list. The selected device specifies the size of the mobile device that you want to view and affects the size of the Design view area.

Design Mode editing

You can use the Design Mode editing features of Rich Page Editor to add and edit widgets in the Design view. To enable the Design Mode editing features, click the Design Mode icon.

The following screen capture shows what a table looks like in the Design view of Rich Page Editor when Design Mode is enabled.

The following screen capture shows what the same table looks like in the Design view of Rich Page Editor when Design Mode is not enabled.

The Design Mode editing features guide the placement of code when you drop a widget on a container widget. Visual cues highlight the possible drop locations and pop-up cues indicate the editing function that is available for the selected widget. Design Mode also adds dashed borders to empty table cells. For example, dragging a tag from the Palette to a table provides a visual cue for placement:
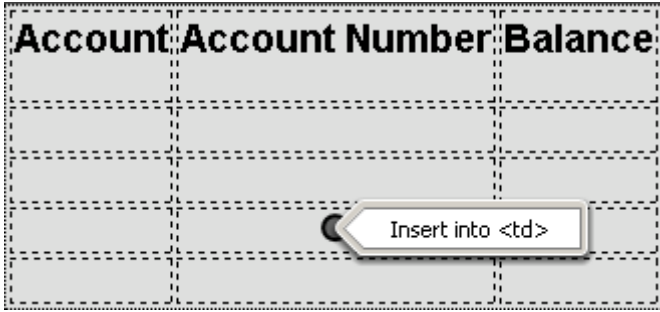
Selecting a cell in a table opens a pop-up cue that you can use to add a column or row:
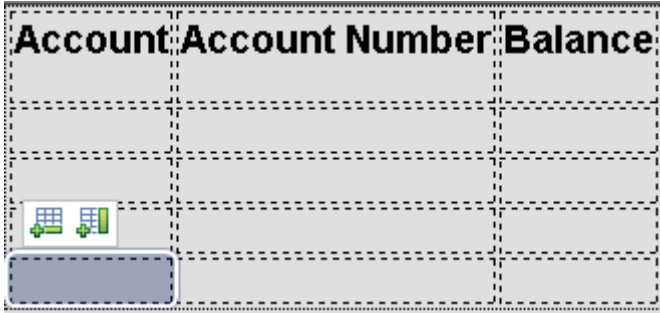
Related tasks:

- → Browser requirements for Rich Page Editor
- → Setting the Rich Page Editor preferences
- → Setting Rich Page Editor as the default web page editor
- → Opening web pages in Rich Page Editor
- → Creating web pages in Rich Page Editor
- → Creating web pages for mobile devices
- → Adding elements to web pages from the palette
- → Working in the Source view
- → Working in the Design and Split views

EXHIBIT M

Use twoM ac apps side by side inS plit View

<mark>Split View inOS XE lC apitan or later lets you fill yourM ac screen with two apps, without having to manually move and resize windows</mark>.

EnterS plit View

1. H old down the full-screen button in the upper-left corner of a window.

2. A s you hold the button, the window shrinks and you can drag it to the left or right side of the screen.

3. R elease the button, then click another window to begin using both windows side by side.

If you already have a window in full-screen view, you can still view it side by side with another window.J ust open **MissionC ontrol**, then drag a window onto the thumbnail of the full-screen app at the top of the screen.

Apps that need more screen space to enter Split View might display a message that they're not available in full screen. You can use a higher resolution on your display to give apps more screen space. Apps that don't support Split View at all show a zoom button ➕ instead of a full-screen button 🔳.

If holding down the full-screen button doesn't enter Split View, go toA pple menu > SystemP references, clickM issionC ontrol, and make sure that "Displays have separate Spaces" is selected.

Work inS plit View

==In Split View, you can use both apps side by side, without the distraction of other apps.==

- Choose a window to work in by clicking anywhere in that window.
- Show the menu bar by moving the pointer to the top of the screen.
- Swap window positions by dragging a window to the other side.
- Adjust window width by dragging the vertical line between the windows.
- Switch to other apps or your desktop with MissionC ontrol, or use a Multi-Touch gesture such as swiping left or right with four fingers on your trackpad.

ExitS plit View

1. M ove the pointer to the top of the screen to show the window buttons, then click the full-screen button 🔳.
2. The other window remains in full-screen view. You can switch to it with MissionC ontrol, or use a Multi-Touch gesture such as swiping left or right with four fingers on your trackpad.

PublishedD ate:O ct 26, 2016

Helpful?   Yes   No   62%ofpeoplef oundthishelpful.

Support   UsetwoMacappssideb   ysideinSplitView

| | Ma | iPa | iPho | Wat | Mu | Supp | Where t |
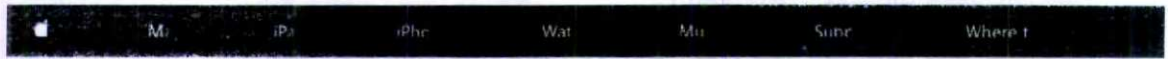
Mac App Store Preview

What's New   What is OS X   OS X Apps   How to Upgrade   Tech Specs

Mac App Store is the simplest way to find and download apps for your Mac.

To download OS X El Capitan from the Mac App Store, you need a Mac with OS X 10.6.6 or later. Learn More.

OS X El Capitan

By Apple

Open the Mac App Store to buy and download apps.

View in Mac App Store

Free

Category: Utilities
Updated: 21 March 2016
Version: 10.11.4
Size: 6.20 GB
Languages: English, Arabic,
Catalan, Croatian, Czech,
Danish, Dutch, Finnish, French,
German, Greek, Hebrew,
Hungarian, Indonesian, Italian,
Japanese, Korean, Malay,
Norwegian, Polish, Portuguese,
Romanian, Russian, Simplified
Chinese, Slovak, Spanish,
Swedish, Thai, Traditional
Chinese, Turkish, Ukrainian,
Vietnamese
Developer: iTunes S.a.r.l
© 2015 Apple, Inc
Rated 4+

Compatibility: OS X 10.6.8 or later

Customer Ratings

Current Version
★★★ 80 Ratings
All Versions
★★★★ 1643 Ratings

More Apps by Apple

Final Cut Pro
View in Mac App Store ›

Logic Pro X
View in Mac App Store ›

Description

OS X El Capitan, the latest version of the Mac operating system, builds on the groundbreaking features and beautiful design introduced in OS X Yosemite, refining the experience and improving performance in lots of ways that you'll enjoy every day.

Make the most of your screen with Split View.
- Focus on two apps at once — neatly arranged side by side — in full screen without distractions.

Take control of your desktop with Mission Control.
- View all your open windows in a single layer with no overlap, so you can instantly find that window you're looking for.
- Create a new desktop space easily by dragging a window to the top of your screen.

Smarter search in Spotlight.
- Search for weather, stocks, sport, web video and public transport information in Spotlight.
- Use your own words to search for files on your Mac, like "Documents I edited yesterday".
- Resize the Spotlight window and move it anywhere on the screen.

Handy improvements in Mail.
- Use your trackpad to manage your inbox with a swipe, just like on iPhone. Swipe right to mark as read or unread, or swipe left to delete.
- Mail automatically suggests contacts and events from your messages to help you keep your Contacts and Calendar organised.
- An improved full-screen view lets you switch between your inbox and your draft email messages.

A simple and powerful all-new Notes app.
- Format your notes with titles, paragraph headings, bullets, numbers and checklists.
- Save rich content like photos, videos, documents, PDFs, web links and map locations.
- Easily search and browse the content from all your notes in the Attachments Browser.
- Add content to a note directly from other OS X apps using the Share menu.
- Create notes on your Mac and they'll automatically sync to your iOS devices using iCloud.

New ways to organise and enhance your images in Photos.
- Photos automatically organises your library and helps you edit like a pro with simple and powerful editing tools.
- Add or edit location data, and batch change titles, descriptions and keywords.
- Sort your albums and the photos in them by date, title and more.
- Use third-party editing extensions to take your photo editing to the next level.

Better surfing in Safari.
- Keep your favourite websites open, up to date and easily accessible with Pinned Sites.
- Choose a font and theme for Reader, including Sepia and Night themes.
- Mute web page audio from the Smart Search field.

Maps, now with Transit view.
- See public transport lines and stations for selected cities, including metro, train, bus and ferry routes.
- Plan your trip based on when you want to leave or arrive.
- Research your trip on your Mac and share it to your iPhone or iPad for use on the go.

New fonts.
- Designed for Retina displays, beautiful system font San Francisco is crisp, clear and space efficient.
- PingFang (苹方), the new Chinese system font, is designed for crisp readability in both Simplified and Traditional Chinese.
- Hiragana Sans, the Japanese system font, now features additional weights.
- Four new Japanese fonts let you add a personal touch to documents and presentations.

Improved input methods for Chinese and Japanese.
- Type Chinese more quickly with an improved character prediction engine and a smarter candidate window.
- Write multiple Chinese characters using the trackpad and the new, roomier Trackpad window.
- Live conversion automatically transforms Hiragana into written Japanese as you type.

Faster graphics with Metal.
- Enjoy faster, more efficient system-level graphics rendering.
- Experience a richer, more immersive gaming experience.

· Create content more quickly with accelerated high-performance apps.

Snappier performance for everyday tasks.
· Launch apps and switch between them more quickly.
· Access email and render PDFs more quickly.

Apple Web Site ›   OS X El Capitan Support ›   Application Licence Agreement ›

What's New in Version 10.11.4

The OS X El Capitan 10.11.4 update improves the stability, compatibility, and security of your Mac.

This update:

· Adds the ability to passcode-protect notes containing personal data in Notes
· Adds the ability to sort notes alphabetically, by date created, or date modified in Notes
· Adds the ability to import Evernote files into Notes
· Adds support for sharing Live Photos between iOS and OS X via AirDrop and Messages
· Addresses an issue that may cause RAW images to open slowly in Photos
· Adds the ability for iBooks to store PDFs in iCloud, making them available across all your devices
· Fixes an issue that prevented loading Twitter t.co links in Safari
· Prevents JavaScript dialogs from blocking access to other webpages in Safari
· Fixes an issue that prevented the VIPs mailbox from working with Gmail accounts
· Fixes an issue that caused USB audio devices to disconnect
· Improves the compatibility and reliability of Apple USB-C Multiport Adapters

Screenshots

OS X El Capitan refines the Mac experience and improves performance
in lots of little ways that make a big difference

Customer Reviews

Safari is slow now, WIFI instability is such a pain in the ...... ☀
by nirmal28

OS X yosemite was fine for me. This El capitan made my system slow. Latest update is very bad, Im using mac mini late 2012. wifi instability is going crazy, so many times I have to turn off the modem and turn in on again. I am using an windows 10 laptop too, with the same wifi connection, it never even had a internet disconnection for even a
                                                                                                                          ...More

Large download is painful for slow networks and they have to be repeated! ☀
by Suhas Patil

I attempted to download the El Capitan install twice so far and both times I got an error saying the install was corrupted. Every time this happens, the install has to be restarted, the wheel keeps spinning without informing what really is happening. I have seen the wheel spinning even when there was no network activity whatsoever. This "file
                                                                                                                          ...More

Large Downloads in slow internet connections are very painful ☀
by Praveen kansara

Large Downloads and the compulsion to download the same thing again and again for multiple computers is a big problem atleast at places where the internet is slow. What about the environmental effect of letting so many computers run all night so that they can repeatedly download the same six GB. What a waste of data and energy.
                                                                                                                          ...More

Mac

iPad	For Business	iCloud.com	Press Info
iPhone	iPhone in Business		Investors
Watch	iPad in Business	**Apple Values**	Events
TV	Mac in Business	Environment	Hot News
Music		Accessibility	Legal
iTunes		Privacy	Contact Apple
iPod			

Where to buy find a retailer
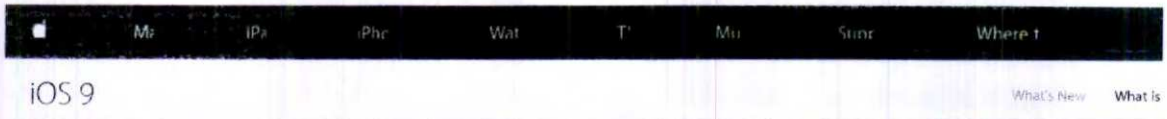
What's new in iOS.

iOS 9 is full of enhancements you'll appreciate every day. Your apps become more essential. New multitasking features on iPad make you even more productive. Siri can do more than ever, and new proactive suggestions help you get things done before you ask. And improvements at the foundation of the operating system deliver outstanding performance, better battery life and enhanced security. The more you do with iOS 9, the more you'll wonder how you ever did without it.

Built-in Apps

Great new features for the apps you use every day.

See more ⌄

iPad Experience

Do more on the big iPad display — in two apps at once.

See more ⌄

Intelligence

iOS 9 gets even smarter. And proactive suggestions make your device even more helpful.

See more ⌄

Foundation

Faster performance, improved security, convenient updates and longer battery life.

See more ⌄

9.3

See the latest updates in iOS 9.3

You'll find significant improvements to Notes, Health and CarPlay. And a new feature called Night Shift may even help you get a good night's sleep.

Learn more about the iOS 9.3 update >

Apps that help you do more every day.

iOS 9 brings key enhancements to the powerful built-in apps on your iPhone and iPad designed for the essential things you use them for every day — like mail, messages, web browsing, maps, making notes, and so much more.

Notes

Now more noteworthy.

The Notes app has always been great for jotting down your thoughts. And now it's great for so much more. Want an easy way to make a checklist of to-dos? Consider it done. Or add a photo, map or web link to a note. You can even draw a sketch with your finger. And thanks to iCloud, changes to your notes will be updated across all your devices and on iCloud.com. So you'll always have your latest notes in hand.

Carson's birthday party

Call party supply store about balloons

Send out invitations

Assorted flavours of cupcakes
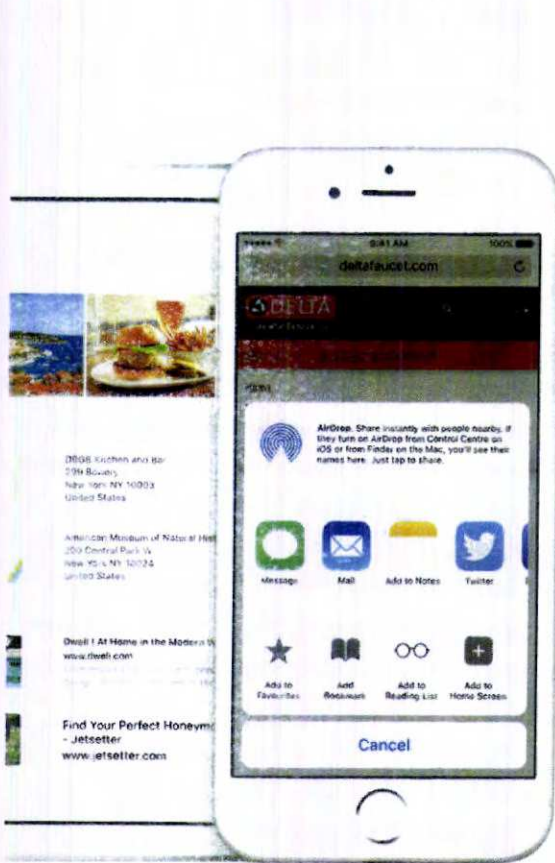
Add to your notes. From whatever app you're in.

Tap the Share button in Safari, Maps and lots of other apps to save attachments — maps, links, Pages documents and more — to a new or existing note. Can't remember which note you added something to? The Attachments Browser organises all the items attached to your notes in one simple view, so it's easy to find what you're looking for.

Turn lists into checklists.

Add bullets with a tap to create checklists. Make a grocery list, a wish list or a to-do list — and tick off items as you go.

Sketch your thoughts.

Use the tip of your finger to draw straight in your note. A selection of drawing tools lets you choose different brush styles and colours. And a handy ruler helps you keep things straight.

Kitchen renovation ideas
Modern kitchen design in a small space. Should have an island. Plenty of storage. Need to research colours, materials and appliances (stainless steel).

Things to do

- Create a budget
- Check appliance prices
- Consult a contractor
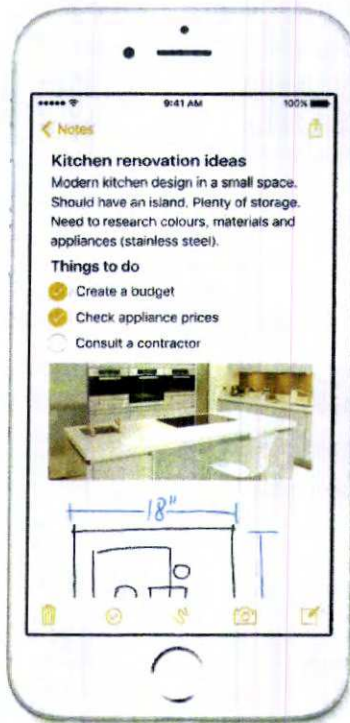
Note it with a photo.

Now you can take a photo from within the Notes app. Or tap to access your photo library and add an existing photo or video to a note.

All your notes across all your devices.

Notes works with iCloud so you can access your notes no matter which device you're using. Create a shopping list on your Mac and then tick off items at the shop on your iPhone. All your changes are updated in real time.

Learn more about iCloud >

Maps

Get around. And see what's around.

Now you can use public transport with Maps as your guide. In selected cities around the world, a new Transport view shows you lines and stations for the metro, buses, trains and ferries on the map. When you plan a route, every step of your trip is laid out from point A to point B.
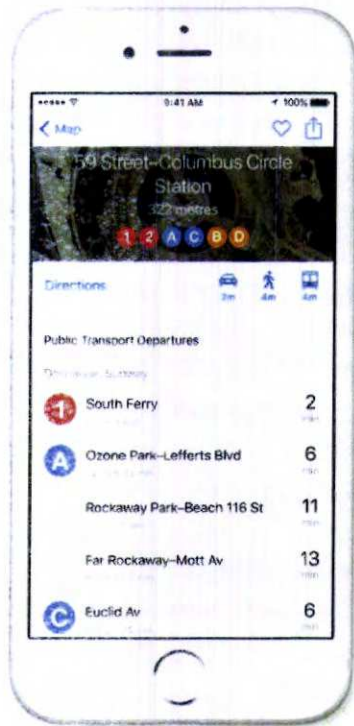
Transport

Maps now features Transport view, bringing you public transport information with routes and directions. Transport is customised for each city, where available — so you'll easily recognise signs and be able to pinpoint the nearest metro station entrance or bus stop. You can even ask Siri for public transport directions. And since Maps is also an OS X app, you can plan a trip on your Mac and follow the route on your iPhone or Apple Watch when you're on the go.[1]

See where Transport is available >

iCloud Drive

All your files, organised in one convenient place.

The new iCloud Drive app built into iOS 9 allows you to access any file you save to iCloud from just one place — your Home screen. Easily search within the app and find the file you're looking for. Browse all your files by date, name or any tags you added on your Mac. You can also preview and organise your files without leaving the app. Goodbye to moving between apps to find the file you need. Hello to better organisation.

Learn more about iCloud Drive >
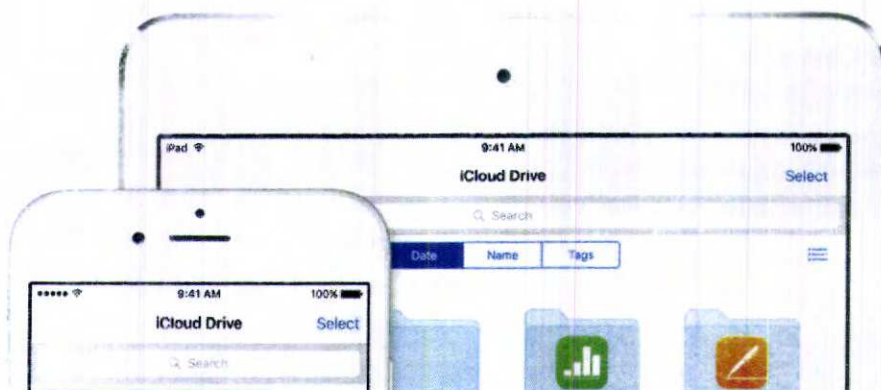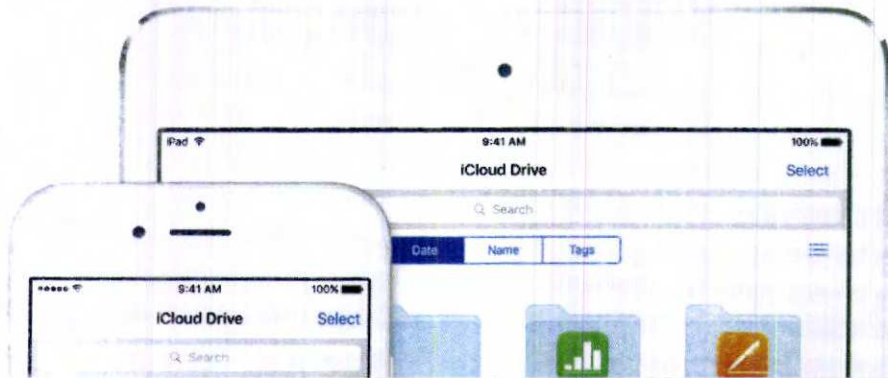
Mail

New features you'll really get attached to.

iOS 9 brings powerful new features to Mail, so you can do more straight from your iOS device — and with a little flair. Markup lets you add drawings, comments or a signature to attached photos and documents. You can easily attach any files you have stored in your iCloud Drive. And new search options help you find the email you're looking for faster by narrowing down results based on subject, sender, recipient or a combination of criteria.
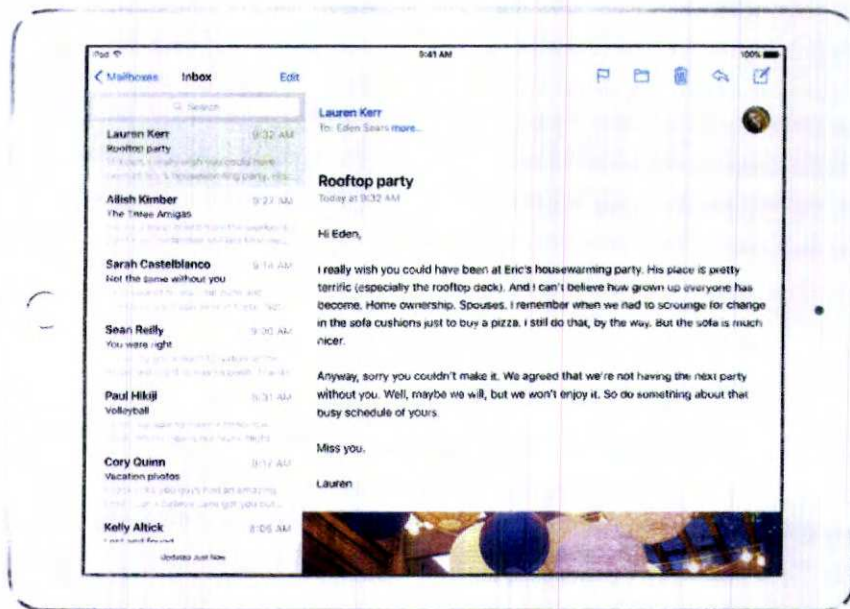
Double up on productivity with iPad.

Slide Over, Split View and Picture in Picture give you new ways to multitask on
iPad. New QuickType features make formatting and text selection even easier —
and put shortcuts at your fingertips.

Multitasking

Do this. While you do that.

Your iPad is great for work. And for play. For creating incredible designs or powerful presentations. For building fun slideshows or video chatting with loved ones. And for tons of other stuff. Now you can make even better use of its large screen to do two of those things — at the same time.

Slide Over

Now you can open a second app without leaving the one you're in. So you can quickly browse the web, respond to a text message or jot something down in a note, then slide that app away and get back to the one you were using before.[2]

Split View

With Split View, you can go a step further and have two apps open and active at the same time. Work on a sketch with the reference photo beside it. Or write a paper while copying citations from a book in iBooks. When everything you need is right in front of you, it's easier to focus.[3]
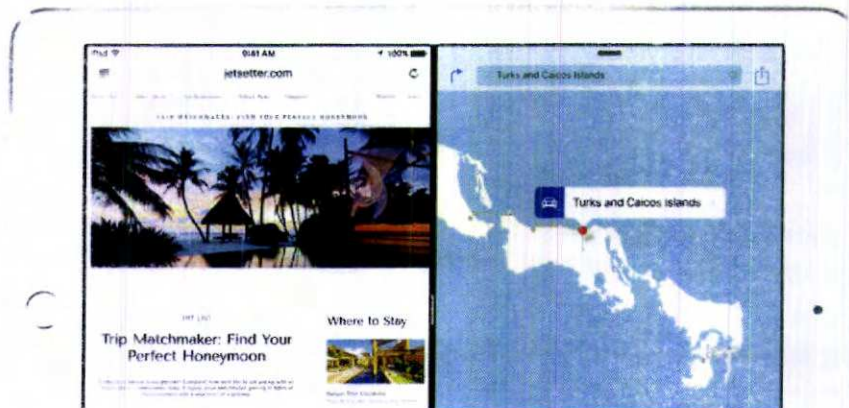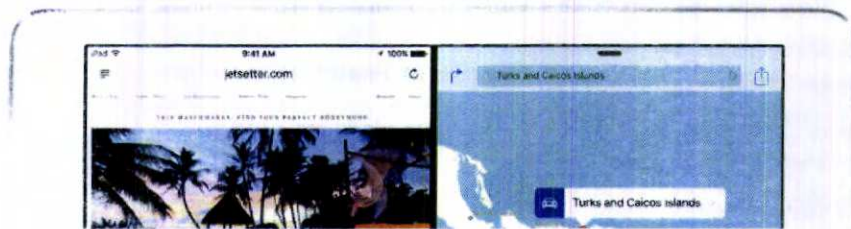
Picture in Picture

While using FaceTime or watching a video, press the Home button and your video screen scales down to a corner of your display. Tap to open a second app and your video continues to play — even while you use the other app. So keep watching your favourite TV programme while you reply to the email that just came in.

QuickType
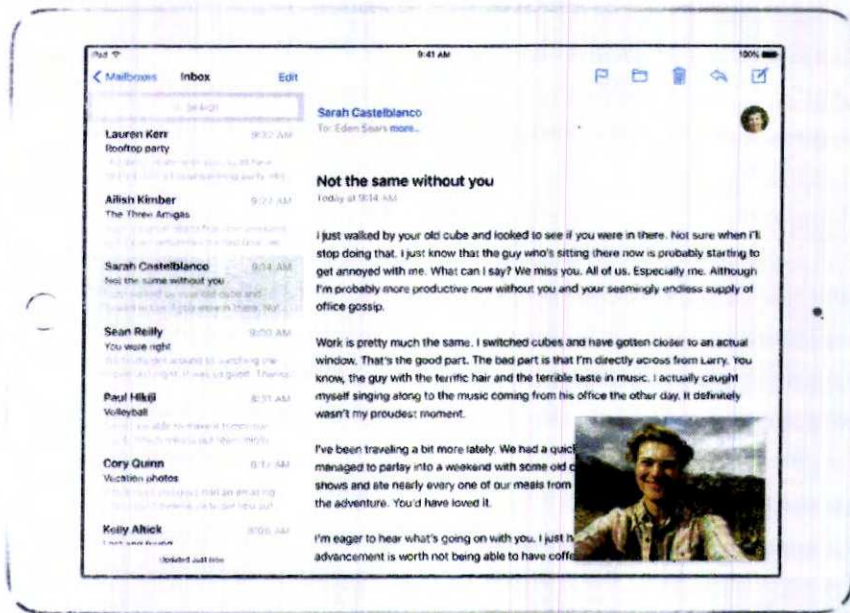
Commands at your fingertips.

Shape up your text with an all-new Shortcut Bar, convenient editing tools and a handy new way to select text with Multi-Touch gestures. And now when you use a wireless keyboard with your iPad, you can enjoy even more keyboard shortcuts too. We've also added new language keyboards for Punjabi, Gujarati and Telugu, and extended support for Hindi with transliteration and "Hinglish" keyboards.

Easy text selection · Shortcut Bar · **Keyboard shortcuts**

Selecting text is as easy as 1, 2.

Control the cursor on your iPad by simply moving two fingers anywhere on the screen,
including over the keyboard, to select, edit and move text.

A smarter way to do just about everything.

Now Siri can search a wider range of topics for a wider range of answers. It
understands what you say more accurately and delivers your results faster. iOS 9
is smarter in lots of other ways too — giving you helpful suggestions even
before you ask.[3]

14

"Hey Siri, what else can I ask you?"

"Show me photos from Utah last August."

Ask Siri to search through your photos and videos based on dates, locations and album titles. For example, say "Show me videos I took at Iva's birthday party" and you'll get exactly what you're looking for.

"Remind me about this when I get in the car."

Siri can remind you about things you're looking at in your apps — like Safari, Mail and Notes — and want to follow up on later. If you're halfway through an email, you can say "Remind me about this tonight." Or if you're looking at a place in Maps you want to stop at later, you can ask for a reminder when you get to your car.

Siri powers a more intelligent search.

You know Siri as a helpful assistant you can talk to, but Siri is also the technology that powers search on your iPhone and iPad. And now you can get even more answers when you type in the search field.

Calculations and conversions

Do simple maths and conversions in search.

Quick connections

Find contacts and call or message them straight from search.

A head start on every search.

Your search screen is now pre-populated with contacts, apps and more. And it's proactive in other places too — making lots of little things just a little easier.

Relevant people

See the contacts you talk with most, those you talked to last or even those you're next scheduled to meet.

Suggested apps

Suggested apps are triggered by your routines and what you're most likely to use. For example, if you always check how your stock is doing in the morning, your Stocks app shows up in the search screen at the time you normally wake up.

Meet your proactive assistant.

Based on the apps you commonly use and the time of day you use them, you'll get intelligent suggestions for what you might want to do next — even before you ask.
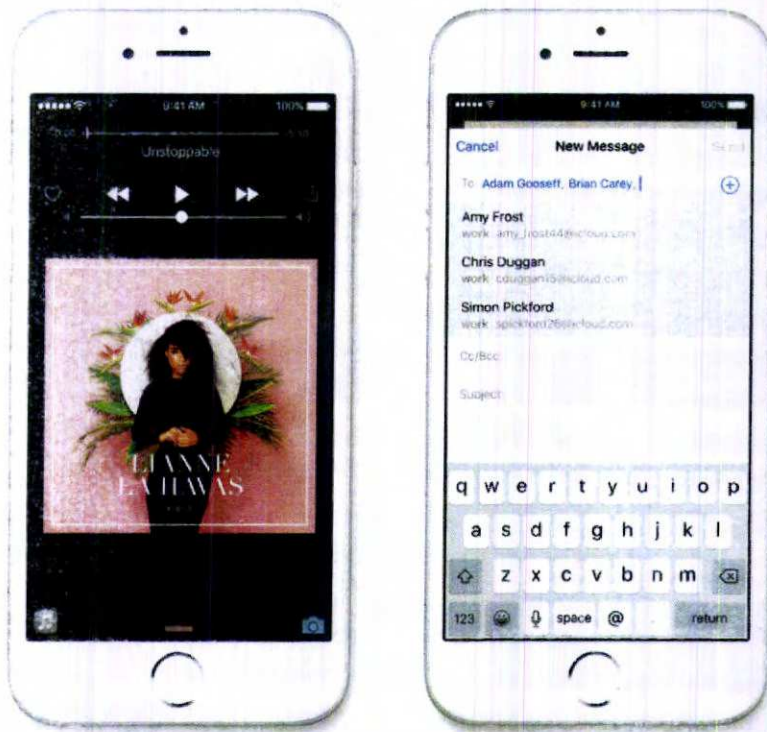
Listening to music and audio

Plug in your headphones and iOS 9 recognises that you might want to finish the podcast you started earlier. Or connect via Bluetooth in your car, and your favourite playlist is suggested for the ride home.

Creating email and events

When you start adding people to an email message or a calendar invitation, iOS 9 suggests the people you usually include with them. iOS 9 also suggests recipients when you add commonly used calendar event titles.

18

Engineered to perform.
At every level.

Under-the-hood refinements bring you more responsive performance, easier
updates, better battery life and tighter security. So your device works that much
better — for everything you do with it.

Even longer battery life.

Across the entire operating system, apps and key
technologies have been made more efficient to
trim battery usage wherever possible — so you
get more battery life for the things you do every
day. Thanks to ambient light and proximity
sensors, your iPhone knows if it's face down on the
table and prevents the screen from turning on,
even when you receive a notification.' And the
new Low Power mode lets you extend your
battery life even further.

Smaller, more convenient updates.

iOS 9 does even more to efficiently stream new
updates to your device without having to first
download and unpack them — which means you
don't need as much free space to update. And
when it's time for an update, you'll get new
notification options that let your device update
while you sleep or when you use it least.'

iOS 9 **1.3GB**

iOS 8 **4.58GB**

1 hour
of additional time
before charging

Faster and more responsive.

The apps in iOS 9 now take advantage of Metal, making more efficient use of the CPU and GPU to deliver faster scrolling, smoother animation and better overall performance. Email, messages, web pages and PDFs render faster. And multitasking features on iPad feel fluid and natural.

Improved security.

Keeping your devices and Apple ID secure is essential to protecting your personal information — like photos, documents, messages, email and so much more. iOS 9 advances security by strengthening the passcode that protects your devices, and by making it harder for others to get unauthorised access to your Apple ID account. These new security features are easy for you to use. But they make it much harder for anyone else to access your personal information.
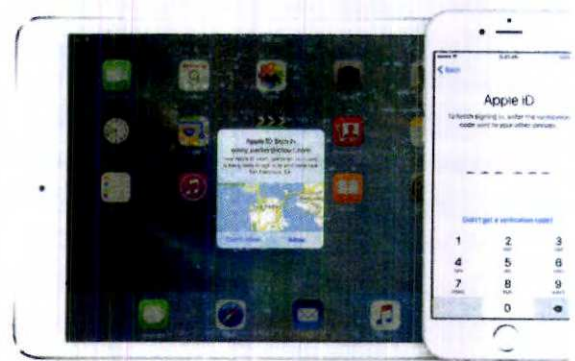
Six-digit passcodes

The default for passcodes on your Touch ID–enabled iPhone and iPad is now six digits instead of four. If you use Touch ID, it's a change you'll hardly notice. But with 1 million possible combinations — instead of 10,000 — your passcode will be a lot tougher to crack.

Two-factor authentication

A password alone is not always enough to keep your account secure. That's why iOS 9 and OS X El Capitan have built-in support for two-factor authentication. Once enrolled, any time you sign in from a new device or browser, you'll be prompted for a verification code. This code is automatically displayed on your other Apple devices or sent to your phone. Enter the code and you're quickly signed in — and any unauthorised users are kept out.

iOS Android Migration

Move to iOS from Android. Easily.

Just download the Move to iOS app to wirelessly switch from your Android device to your new iOS device. It securely transfers your contacts, message history, camera photos and videos, web bookmarks, mail accounts and calendars. And it

will help you rebuild your app library too. Any free apps you used — like Facebook and Twitter — are suggested for download from the App Store. And your paid apps are added to your iTunes Wish List.

Learn more about switching to iOS ›

iOS

Help make iOS even better.

The Apple Beta Software Program gives you a sneak peek at iOS releases before they launch. By participating in the programme, you'll be able to try out pre-release versions of iOS and let us know what you think.

Learn more ↗

SDK

More power for developers.

iOS 9 gives developers APIs and services that enable new categories of apps and features. Multitasking and gaming APIs help enhance app functionality and create immersive games. Expanded search capabilities and new support for HomeKit and HealthKit extend iOS to more places than ever before. Swift 2 brings improvements to compile speed and execution performance, which means smoother animation and faster response times. And later this year, Swift will be available as open source.

Learn more ↗

21

iOS 9 is compatible with these devices.

iPhone

iPhone 6s
iPhone 6s Plus
iPhone 6
iPhone 6 Plus
iPhone SE
iPhone 5s
iPhone 5c
iPhone 5
iPhone 4s

iPad

iPad Pro (12.9-inch)
iPad Pro (9.7-inch)
iPad Air 2
iPad Air
iPad 4th generation
iPad 3rd generation
iPad 2
iPad mini 4
iPad mini 3
iPad mini 2
iPad mini

iPod

iPod touch 6th generation
iPod touch 5th generation

1. Transport is available on iPhone 5 or later, iPad Pro, iPad Air or later, iPad mini 2 or later, and iPod touch (6th generation).

2. Picture in Picture and Slide Over are available on iPad Pro, iPad Air or later and iPad mini 2 or later. Split View is available on iPad Pro, iPad Air 2 and iPad mini 4.

3. Siri is available on iPhone 4s or later, iPad Pro, iPad Air or later, iPad (3rd generation) or later, iPad mini or later, and iPod touch (5th generation or later) and requires Internet access. Siri may not be available in all languages or in all areas, and features may vary by area. Cellular data charges may apply.

4. Facedown detection is supported on iPhone 5s or later.

5. Software update sizes differ when updating iPhone 6 from iOS 7.1 to iOS 8.0 and from iOS 8.4 to iOS 9.

6. Metal is supported on iPhone 5s or later, iPad Pro, iPad Air or later, iPad mini 2 or later, and iPod touch (6th generation).

7. Two-factor authentication will initially be available to a limited number of users. Learn more

Some features, applications and services may not be available in all areas. Click here to see complete list.

iCloud requires an iCloud-enabled device. Some features require iOS 9 and OS X El Capitan. Some features require a Wi-Fi connection. Some features are not available in all countries. Access to some services is limited to 10 devices.

 iOS   What's New

Explore	For Education	Account	About Apple
Mac	Apple and Education	Manage Your Apple ID	Job Opportunities
iPad		iCloud.com	Press Info
iPhone	For Business		Investors
Watch	iPhone in Business	Apple Values	Events
TV	iPad in Business	Environment	Hot News
Music	Mac in Business	Accessibility	Contact Apple
iTunes		Privacy	
iPod			

Where to buy: find a retailer

EXHIBIT N

UNITED STATES PATENT AND TRADEMARK OFFICE (USPTO)
OFFICE ACTION (OFFICIAL LETTER) ABOUT APPLICANT'S TRADEMARK APPLICATION

U.S. APPLICATION SERIAL NO. 86884662

MARK: SPLITVIEW

86884662

CORRESPONDENT ADDRESS:
  SINGH, ROHIT
  114, POCKET H-17, SECTOR 7, ROHINI
  NEW DELHI
  110085
  INDIA

**CLICK HERE TO RESPOND TO THIS
LETTER:**
http://www.uspto.gov/trademarks/teas/response_forms.jsp

VIEW YOUR APPLICATION FILE

APPLICANT: SINGH, ROHIT

**CORRESPONDENT'S REFERENCE/DOCKET
NO:**
  N/A
CORRESPONDENT E-MAIL ADDRESS:
  rxsingh@gmail.com

OFFICE ACTION

STRICT DEADLINE TO RESPOND TO THIS LETTER
TO AVOID ABANDONMENT OF APPLICANT'S TRADEMARK APPLICATION, THE USPTO MUST RECEIVE APPLICANT'S COMPLETE RESPONSE TO THIS LETTER **WITHIN 6 MONTHS** OF THE ISSUE/MAILING DATE BELOW.

ISSUE/MAILING DATE: 5/11/2016

TEAS PLUS OR TEAS REDUCED FEE (TEAS RF) APPLICANTS – TO MAINTAIN LOWER FEE, ADDITIONAL REQUIREMENTS MUST BE MET, INCLUDING SUBMITTING DOCUMENTS ONLINE: Applicants who filed their application online using the lower-fee TEAS Plus or TEAS RF application form must (1) file certain documents online using TEAS, including responses to Office actions (see TMEP §§819.02(b), 820.02(b) for a complete list of these documents); (2) maintain a valid e-mail correspondence address; and (3) agree to receive correspondence from the USPTO by e-mail throughout the prosecution of the application. *See* 37 C.F.R. §§2.22(b), 2.23(b); TMEP §§819, 820. TEAS Plus or TEAS RF applicants who do not meet these requirements must submit an additional processing fee of $50 per international class of goods and/or services. 37 C.F.R. §§2.6(a)(1)(v), 2.22(c), 2.23(c); TMEP §§819.04, 820.04. However, in certain situations, TEAS Plus or TEAS RF applicants may respond to an Office action by authorizing an examiner's amendment by telephone without incurring this additional fee.

The referenced application has been reviewed by the assigned trademark examining attorney. Applicant must respond timely and completely to the issue(s) below. 15 U.S.C. §1062(b); 37 C.F.R. §§2.62(a), 2.65(a); TMEP §§711, 718.03.

SEARCH OF OFFICE'S DATABASE OF MARKS

The trademark examining attorney has searched the Office's database of registered and pending marks and has found no conflicting marks that would bar registration under Trademark Act Section 2(d). TMEP §704.02; *see* 15 U.S.C. §1052(d).

SUGGEST HIRING TRADEMARK COUNSEL

Because of the legal technicalities and strict deadlines involved in the USPTO application process, applicant may wish to hire a private attorney specializing in trademark matters to represent applicant in this process and provide legal advice. Although the undersigned trademark examining attorney is permitted to help an applicant understand the contents of an Office action as well as the application process in general, no USPTO attorney or staff is permitted to give an applicant legal advice or statements about an applicant's legal rights. TMEP §§705.02, 709.06.

For attorney referral information, applicant may consult the American Bar Association's Consumers' Guide to Legal Help, an attorney referral service of a state or local bar association, or a local telephone directory. The USPTO may not assist an applicant in the selection of a private attorney. 37 C.F.R. §2.11.

In addition, foreign attorneys, other than authorized Canadian attorneys, are not permitted to represent applicants before the USPTO (e.g., file written communications, authorize an amendment to an application, or submit legal arguments in response to a requirement or refusal). *See* 37 C.F.R. §§2.17(e), 11.14(c), (e); TMEP §602.03-.03(c).

The only attorneys who may practice before the USPTO in trademark matters are as follows:

    (1)   **Attorneys in good standing with a bar of the highest court of any U.S. state**, the District of Columbia, Puerto Rico, and other U.S. commonwealths or U.S. territories; and

    (2)   **Canadian agents/attorneys** who represent applicants located in Canada and (a) are registered with the USPTO and in good standing as patent agents or (b) have been granted reciprocal recognition by the USPTO.

See 37 C.F.R. §§2.17(a), (e), 11.1, 11.14(a), (c); TMEP §602.

SECTION 2(e)(1) REFUSAL - MERELY DESCRIPTIVE

Registration is refused because the applied-for mark merely describes a feature/characteristic/purpose or intended use for applicant's goods. Trademark Act Section 2(e)(1), 15 U.S.C. §1052(e)(1); *see* TMEP §§1209.01(b), 1209.03 *et seq.*

A mark is merely descriptive if it describes an ingredient, quality, characteristic, function, feature, purpose, or use of an applicant's goods and/or services. TMEP §1209.01(b); *see, e.g.*, *In re TriVita, Inc.*, 783 F.3d 872, 874, 114 USPQ2d 1574, 1575 (Fed. Cir. 2015) (quoting *In re Oppedahl & Larson LLP*, 373 F.3d 1171, 1173, 71 USPQ2d 1370, 1371 (Fed. Cir. 2004)); *In re Steelbuilding.com*, 415 F.3d 1293, 1297, 75 USPQ2d 1420, 1421 (Fed. Cir. 2005) (citing *Estate of P.D. Beckwith, Inc. v. Comm'r of Patents*, 252 U.S. 538, 543 (1920)).

Determining the descriptiveness of a mark is done in relation to an applicant's goods and/or services, the context in which the mark is being used, and the possible significance the mark would have to the average purchaser because of the manner of its use or intended use. *See In re The Chamber of Commerce of the U.S.*, 675 F.3d 1297, 1300, 102 USPQ2d 1217, 1219 (Fed. Cir. 2012) (citing *In re Bayer Aktiengesellschaft*, 488 F.3d 960, 963-64, 82 USPQ2d 1828, 1831 (Fed. Cir. 2007)); TMEP §1209.01(b). Descriptiveness of a mark is not considered in the abstract. *In*

re Bayer Aktiengesellschaft, 488 F.3d at 963-64, 82 USPQ2d at 1831.

"A mark may be merely descriptive even if it does not describe the 'full scope and extent' of the applicant's goods or services." *In re Oppedahl & Larson LLP*, 373 F.3d 1171, 1173, 71 USPQ2d 1370, 1371 (Fed. Cir. 2004) (citing *In re Dial-A-Mattress Operating Corp.*, 240 F.3d 1341, 1346, 57 USPQ2d 1807, 1812 (Fed. Cir. 2001)); TMEP §1209.01(b). It is enough if a mark describes only one significant function, attribute, or property. *In re The Chamber of Commerce of the U.S.*, 675 F.3d 1297, 1300, 102 USPQ2d 1217, 1219 (Fed. Cir. 2012); TMEP §1209.01(b); *see In re Oppedahl & Larson LLP*, 373 F.3d at 1173, 71 USPQ2d at 1371.

In this case, the enclosed evidence from a Google.com search as well as the specimen of use in the application record clearly shows the use or purpose for applicant's software is to create a spilt view on a computer monitor screen. Specifically, the software allows a screen to be divided one or more times to create multiple smaller screens within a single monitor screen commonly referred to as a split view screen. Further, the enclosed evidence indicates a splitview or split view to be a common term of art in the computer trade or industry. Therefore, the examining attorney must find the proposed mark merely descriptive of the intended use or purpose for applicant's graphic user interface software. *See attachments.*

Although applicant's mark has been refused registration, applicant may respond to the refusal(s) by submitting evidence and arguments in support of registration.

If applicant has questions regarding this Office action, please telephone or e-mail the assigned trademark examining attorney. All relevant e-mail communications will be placed in the official application record; however, an e-mail communication will not be accepted as a response to this Office action and will not extend the deadline for filing a proper response. *See* 37 C.F.R. §§2.62(c), 2.191; TMEP §§304.01-.02, 709.04-.05. Further, although the trademark examining attorney may provide additional explanation pertaining to the refusal(s) and/or requirement(s) in this Office action, the trademark examining attorney may not provide legal advice or statements about applicant's rights. *See* TMEP §§705.02, 709.06.

/Mark T. Mullen/
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TO RESPOND TO THIS LETTER: Go to http://www.uspto.gov/trademarks/teas/response_forms.jsp. Please wait 48-72 hours from the issue/mailing date before using the Trademark Electronic Application System (TEAS), to allow for necessary system updates of the application. For *technical* assistance with online forms, e-mail TEAS@uspto.gov. For questions about the Office action itself, please contact the assigned trademark examining attorney. **E-mail communications will not be accepted as responses to Office actions; therefore, do not respond to this Office action by e-mail.**

All informal e-mail communications relevant to this application will be placed in the official application record.

WHO MUST SIGN THE RESPONSE: It must be personally signed by an individual applicant or someone with legal authority to bind an applicant (i.e., a corporate officer, a general partner, all joint applicants). If an applicant is represented by an attorney, the attorney must sign the response.

PERIODICALLY CHECK THE STATUS OF THE APPLICATION: To ensure that applicant does not miss crucial deadlines or official notices, check the status of the application every three to four months using the Trademark Status and Document Retrieval (TSDR) system at http://tsdr.uspto.gov/. Please keep a copy of the TSDR status screen. If the status shows no change for more than six months, contact the Trademark Assistance Center by e-mail at TrademarkAssistanceCenter@uspto.gov or call 1-800-786-9199. For more information on checking status, see http://www.uspto.gov/trademarks/process/status/.

TO UPDATE CORRESPONDENCE/E-MAIL ADDRESS: Use the TEAS form at http://www.uspto.gov/trademarks/teas/correspondence.jsp.

Use two Mac apps side by side in Split View

Split View in OS X El Capitan lets you fill your Mac screen with two apps, without having to manually move and resize windows.

Enter Split View

1. Hold down the full-screen button 🟢 in the upper-left corner of a window.
2. As you hold the button, the window shrinks and you can drag it to the left or right side of the screen.
3. Release the button, then click another window to begin using both windows side by side.

If you already have a window in full-screen view, you can still view it side by side with another window. Just open Mission Control, then drag a window onto the thumbnail of the full-screen app at the top of the screen.

Apps that need more screen space to enter Split View might display a message that they're not available in full screen. You can use a higher resolution on your display to give apps more screen space. Apps that don't support Split View at all show a zoom button 🟢 instead of a full-screen button 🟢.

button .

If holding down the full-screen button doesn't enter Split View, go to Apple menu > System
Preferences, click Mission Control, and make sure that "Displays have separate Spaces" is selected.

Work in Split View

In Split View, you can use both apps side by side, without the distraction of other apps.

- Choose a window to work in by clicking anywhere in that window.
- Show the menu bar by moving the pointer to the top of the screen.
- Swap window positions by dragging a window to the other side.
- Adjust window width by dragging the vertical line between the windows.
- Switch to other apps or your desktop with Mission Control, or use a Multi-Touch gesture such
  as swiping left or right with four fingers on your trackpad.

Exit Split View

1. Move the pointer to the top of the screen to show the window buttons, then click the full-screen
   button .
2. The other window remains in full-screen view. You can switch to it with Mission Control, or use
   a Multi-Touch gesture such as swiping left or right with four fingers on your trackpad.

Last Modified: Mar 22, 2016

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CURRENT VERSION:

SplitView 2015 R3

Divide the space of your screen efficiently by splitting it into a custom number of equal parts and embed 'Go Left' and 'Go Right' buttons within each window so you can easily move a program to a specific part of the desktop

SplitView is a lightweight software application whose purpose is to help you split a large monitor system into multiple ones so you can improve you productivity.

Look for the utility in the system tray

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RUNS ON:

Windows XP / Vista / 7 /
2008 R2 / Server 2012

FILE SIZE:

1.1 MB

CATEGORY:

C:\ **Desktop Enhancements**

DEVELOPER:

You can find the application residing quietly in the system tray without interfering with your work. A double-click on its icon opens up the configuration panel where you can tweak the process in detail. In addition, you can easily enable or disable the splitting mode.

Configuration settings

SplitView is able to embed 'Go Left' and 'Go Right' buttons within each window so you can easily move a

make the application do not add buttons to a certain list with programs (e.g. **Skype**, **Yahoo! Messenger**)

What's more, you can add window menus for going to the left or right and up or down side of the desktop, and create a list with utilities that their menus are not modified.

You can make use of preset hotkeys for moving and resizing panels, disable SplitView for user-defined applications, as well as restore any settings to the default ones in case you are not happy with the results.

Advanced options

Advanced parameters help you split the desktop horizontally in a custom number of equal parts or divide it into two parts with a certain number of pixels on the left and on the right. Plus, you can run the tool at Windows startup and move the windows without

VIEW
OF IT

IDΞRA

NEVER.
SLOW.
DOWN.

resizing them.

along with the primary one, prevent windows from
popping up in the middle of the monitors, maximize
windows to one monitor (not across multiple ones),
keep the Windows taskbar to one monitor, as well as
automatically detect the number of monitors and adjust
the screen division.

Bottom line

All in all, SplitView comes with support for several
smart features for helping you divide the space of your
screen efficiently. It remains light on system resources
so your computer's performance is not hampered.

#Split Screen, #Screen Splitter, #Align Windows,
#Split, #Splitter, #Monitor, #Screen

SplitView was reviewed by Ana Marculescu

4.0/5

TOP ALTERNATIVES FREE	TOP ALTERNATIVES PAID
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Visual guide: The iPad's new split-screen multitasking

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Some apps on some iPads support full split-screen capabilities, so be prepared for a variable user experience in this new iOS 9 capability

InfoWorld | Sep 29, 2015

Apple has added several capabilities to iOS 9 to make the iPad work more like a laptop, as I've described previously. But one new capability -- split-screen multitasking -- deserves extra attention because it's available only on some iPad models and because many apps still don't support it. As a result, iPad users can work in separate multitasking modes depending on what iPad they are using and what apps they are running.

Understanding the two split-screen modes

There are two split-screen modes for the iPad in iOS 9, available in both landscape and portrait orientation.

[**How iOS 9 makes the iPad more like a laptop.** | Looking to run office productivity apps on the go? Check out InfoWorld's comparisons of **office apps for the iPad** and **office apps for Android devices**. | Keep up on key mobile developments and insights with the **Mobile Tech Report newsletter.**]

One mode, called Slide Over, restricts the second app to the right-hand third of the screen. You can work in that right-hand screen while it's open, but the app in the left-hand window is grayed out; you can only see its current state, not work in it. When you tap the left-hand window to work in its app, the other app's Slide Over window closes.

Slide Over is supported by the iPad Mini 2 and later Mini models, the iPad Air and later Air models, and the forthcoming iPad Pro.
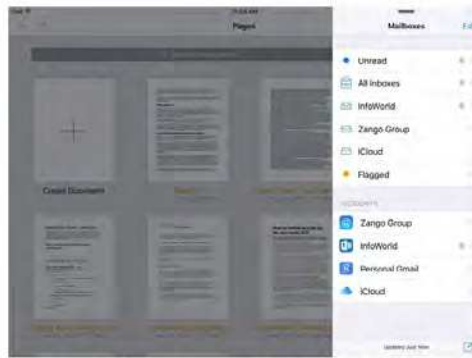
The Slide Over mode in iOS 9 lets compatible iPads show a window at the right side, which you can work in. When you tap the primary app's window on the left side, that right-hand window closes.

The other mode, called Split View, lets you split the screen however you want -- you slide the divider between the two panes to determine where they split: one third of the way from the left edge, half way, or two thirds of the way. Plus, you can work in either app while both are visible, simply tap its window to work in it. That means you can also copy and paste between the two windows, rather than have to switch from one full-screen window to another.

Split View is supported only by the iPad Mini 4, iPad Air 2, and iPad Pro.

If both apps are compatible with Split Screen mode (look for the handle between the two windows), you can adjust where the split occurs. And you can work in both apps while leaving their windows open.

iOS still supports the old-fashioned one-screen-at-a-time multitasking approach introduced in 2011's iOS 6, where you double-tap the Home button to see running apps, then tap the one you want to switch to (or use the four-finger horizontal swipe gesture to move from on app to another).

The old-fashioned app switcher, with its new carousel look in iOS 9, remains available to switch among any iPad apps you have running.

How to open apps in split screens

Both Slide Over and Split Screen modes start off the same way. You first have to switch to the primary app for your split screen; this app initially takes the full screen and will be resized to the left-hand two-thirds of the screen once a split-screen mode is in effect.

It's important to start with the primary app because you cannot swap the primary and secondary apps once you've gone into a split-screen mode -- an awkward omission. To do that, you have to exit the split-screen mode by pressing Home to open a new app as the primary or by using the old-fashioned multitasking to switch to a different app as the primary.

To split the screen for a second app, swipe in from the left edge of the screen to show the last-used compatible app. If you swipe in far enough, the last-used app's window sticks in place. Otherwise, it slides right back off. (That lets you peek at that last-used app without opening it in a window.)

Note the phrase "last-used compatible app": Many apps don't yet support the iOS 9 split-screen modes. Thus, they simply won't display in that right-hand window, though they will appear in the left-hand window. For example, Apple's iWork apps, which don't support Split Screen or Slide Over modes, still can be visible in the left-hand window in Slide Over mode, but you can't put an iWork app in the right-hand window. (Yes, it's odd that Apple's productivity suite doesn't yet support iOS 9 split-screen multitasking, though Microsoft's Office 365 apps do.)

If you see a handle between the two screens, as is visible in the screen showing Word and Excel earlier in this post, that means both apps support Split Screen mode. Thus, you can drag the handle to change the split, as well as work in the apps while they are both visible onscreen.

both visible onscreen

If you don't see that handle, that means one or both apps is not compatible with Split Screen mode, so the iPad will run in Slide Over mode. That can be confusing

For example, Microsoft's Office 3765 apps are compatible with Split Screen Mode, but Apple's iWork apps are not. So:

- If you have both Word and Excel on screen, you can use Split Screen mode because they both support it.

- If you have both Keynote and Numbers on screen, you can use only Slide Over mode, since neither app supports Split Screen mode.

- If you have both Word and Keynote on screen, you can use only Slide Over mode because although Word supports Split Screen mode, Keynote does not, which prevents Split Screen from working for this particular combination of apps.

IT ALSO INCLUDES EATING OR
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When you run a Split View-compatible app like Word with an incompatible app like Keynote, the iPad runs both in Slide Over mode.

In both Slide Over and Spit Screen modes, at the top of the right-hand window is a handle that you pull down to show all compatible apps. (If an app you want doesn't display, it's not compatible with the split-screen modes.) Scroll vertically to move through those available apps, and tap the one you want to load into the split screen.
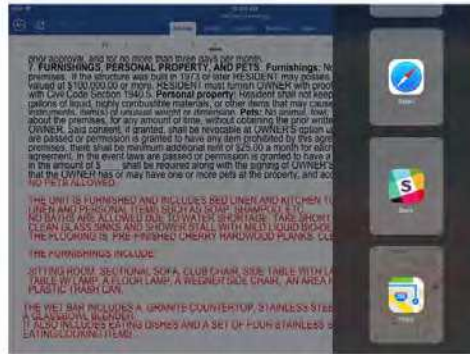
Drag the handle at the top of the right-hand split-screen window to see all apps compatible with one of iOS 9's split-screen modes, then tap the desired app to open it in the right-hand window.

Galen Gruman — *Executive Editor*

InfoWorld executive editor Galen Gruman analyzes the latest issues in mobile technology and user-facing technology. His latest book is "iPad at Work for

technology. His latest book is "iPad at Work for
Dummies" and he has written more than 40 how-to
books, on iOS, iPad, Windows 8, OS X, and desktop
publishing. He is also the editorial CTO for IDG US
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UNITED STATES PATENT AND TRADEMARK OFFICE (USPTO)

IMPORTANT NOTICE REGARDING YOUR
U.S. TRADEMARK APPLICATION

USPTO OFFICE ACTION (OFFICIAL LETTER) HAS ISSUED
ON **5/11/2016** FOR U.S. APPLICATION SERIAL NO. 86884662

Your trademark application has been reviewed. The trademark examining attorney assigned by the USPTO to your application has written an official letter to which you must respond. Please follow these steps:

(1) READ THE LETTER by clicking on this link or going to http://tsdr.uspto.gov/, entering your U.S. application serial number, and clicking on "Documents."

The Office action may not be immediately viewable, to allow for necessary system updates of the application, but will be available within 24 hours of this e-mail notification.

(2) RESPOND WITHIN 6 MONTHS (*or sooner if specified in the Office action*), calculated from **5/11/2016**, using the Trademark Electronic Application System (TEAS) response form located at http://www.uspto.gov/trademarks/teas/response_forms.jsp.

Do NOT hit "Reply" to this e-mail notification, or otherwise e-mail your response because the USPTO does NOT accept e-mails as responses to Office actions.

(3) QUESTIONS about the contents of the Office action itself should be directed to the trademark examining attorney who reviewed your application, identified below.

/Mark T. Mullen/
Examining Attorney
Law Office 111
(571) 272-9201
Mark.Mullen@uspto.gov (informal inquiries only)

WARNING

Failure to file the required response by the applicable response deadline will result in the ABANDONMENT of your application. For more information regarding abandonment, see http://www.uspto.gov/trademarks/basics/abandon.jsp.

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Please carefully review all correspondence you receive regarding this application to make sure that you are responding to an official document from the USPTO rather than a private company solicitation. All official USPTO correspondence will be mailed only from the "United States Patent and Trademark Office" in Alexandria, VA; or sent by e-mail from the domain "@uspto.gov." For more information on how to handle private company solicitations, see http://www.uspto.gov/trademarks/solicitation_warnings.jsp.

EXHIBIT O

Response to Office Action

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MARK STATEMENT	The mark consists of standard characters, without claim to any particular font style, size or color.
ARGUMENT(S)	

Section 2(e)(1) Issue

Applicant is entering a formal Section 2(f) claim of acquired distinctiveness as well as actual evidence of acquired distinctiveness. Applicant has been using the subject mark in commerce with the United State since as early as August 31, 2005. Please see the excerpts from Applicant's website, including the "About Us" page, attached in the evidence section of the Response.

Applicant also submits evidence of advertising expenditures in connection with the Google AdWords program and campaign of over $30,000, which has resulted in over 17 million ad impressions and over 36,000 clicks on Applicant's website. Further Applicant provides evidence of the revenue generated from the SplitView software of close to $6 million since 2005.

In the alternative, Applicant argues that the mark is not merely descriptive of the goods. In order to be descriptive, the mark must immediately convey information as to the goods with a "degree of particularity." *Plus Products v. Medial Modalities Associates, Inc.*, 211 USPQ 1199, 1204-1205 (TTAB 1981); *Holiday Inns, Inc. v. Monolith Enterprises*, 212 USPQ 949, 952 (TTAB 1981). It has not been shown that the mark would be immediately perceived by potential purchasers as descriptive of the software. As stated in *In re Intelligent Medical Systems, Inc.*, 5 USPQ2d 1647, 1675 (TTAB 1987) (INTELLIGENT MEDICAL SYSTEMS not merely descriptive of electronic thermometers), "[T]he word 'merely' in Section 2(e)(1) 'means that if the mark clearly does not tell the potential customer only what the goods ("services") are, their function, characteristics, use or ingredients, then the mark is not 'merely descriptive.'" 1 McCarthy, Trademarks and Unfair Competition, Section 11:18 at p. 481 (2d Ed. 1984). It is not possible for software to alter the user's range of sight and certainly not divide it. Thus, the subject mark does not describe the goods with any degree of particularity.

The Examining Attorney relies on third party two word trademark use that is subsequent to Applicant's use. However, when two or more descriptive terms are combined or "telescoped" as here, the determination of whether the composite mark also has a descriptive significance turns upon the question of whether the combination of terms evokes a new and unique commercial impression. Applicant maintains that the subject mark is more than the sum of its parts. The mark is incongruent being comprised of two components that are not generally seen together. As such, when considered as a whole, it conveys a commercial impression of something having to do with multi monitor functionality software.

A mark comprising a combination of merely descriptive components is registrable if the combination of terms creates a unitary mark with a unique, nondescriptive meaning, or if the composite has a bizarre or incongruous meaning as applied to the goods. *See In re Colonial Stores Inc.*, 394 F.2d 549, 157 USPQ 382 (C.C.P.A. 1968) (SUGAR & SPICE held not merely descriptive of bakery products); *In re Shutts,* 217 USPQ 363 (TTAB 1983) (SNO-RAKE held not merely descriptive of a snow removal hand tool). TMEP § 1209.03(d).

A mark which combines usually descriptive elements may result in a composite which is non-descriptive. *In re Warner Electric Brake and Clutch Co.*, 154 USPQ 328 (TTAB 1967) (ELECTRO-MODULE held not descriptive of electro-magnetic brakes); *Firestone Tire and Rubber Co. v. Goodyear Tire and Rubber Co.*, 186 USPQ 557 (TTAB 1975), *aff'd* 189 USPQ 348 (CCPA 1976) (BIASTEEL for steel belted bias tire

held only suggestive, not descriptive). Thus the composite mark here, viewed in its entirety, is analogous to the referenced marks and is not merely descriptive.

Further, third parties have used a plethora of alternatives to the components of Applicant's mark for the same type of software.   See the list attached in the evidence section of the Response.

When there is any doubt as to whether a mark is suggestive or merely descriptive, the Board has repeatedly held that the doubt should be resolved in Applicant's favor, and the mark should be published for opposition.   *In re Aid Laboratories, Inc.*, 221 USPQ 215 (TTAB 1983).

For the foregoing reasons, Applicant respectfully requests that he refusal pursuant to Section 2(e)(1) of the Trademark Act be withdrawn.

EVIDENCE SECTION

EVIDENCE FILE NAME(S)

ORIGINAL PDF FILE	evi_208185139113-20161102180636490282_._2016-10-21_SplitView_Website_Excerpts.pdf
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ORIGINAL PDF FILE	evi_208185139113-20161102180636490282_._2016-11-02_Revenue_Dashboard.pdf
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ORIGINAL PDF FILE	evi_208185139113-20161102180636490282_._2016-11-02_Third_Party_Alternative_Uses.pdf
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	\\TICRS\EXPORT17\IMAGEOUT17\868\846\86884662\xml2\ROA0027.JPG
DESCRIPTION OF EVIDENCE FILE	website excerpts, Google AdWords advertising statistics and AdWords campaign results and hits, revenue dashboard and third party alternative uses.

ADDITIONAL STATEMENTS SECTION

SECTION 2(f) Claim of Acquired Distinctiveness, BASED ON EVIDENCE	The mark has become distinctive of the goods/services, as demonstrated by the attached evidence.

2(f) EVIDENCE FILE NAME(S)

ORIGINAL PDF FILE	e2f-208185139113-180636490_._2016-10-21_SplitView_Website_Excerpts.pdf
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ORIGINAL PDF FILE	e2f-208185139113-180636490_._2016-11-02_Revenue_Dashboard.pdf

CONVERTED PDF FILE(S) (1 page)	\\TICRS\EXPORT17\IMAGEOUT17\868\846\86884662\xml2\ROA0048.JPG
SECTION 2(f) Claim of Acquired Distinctiveness, based on Five or More Years' Use	The mark has become distinctive of the goods/services through the applicant's substantially exclusive and continuous use of the mark in commerce that the U.S. Congress may lawfully regulate for at least the five years immediately before the date of this statement.

CORRESPONDENCE SECTION

ORIGINAL ADDRESS	SINGH, ROHIT 114, POCKET H-17, SECTOR 7, ROHINI NEW DELHI IN 110085

NEW CORRESPONDENCE SECTION

NAME	P. Jay Hines
FIRM NAME	Muncy, Geissler, Olds & Lowe, P.C.
DOCKET/REFERENCE NUMBER	4120/0001US1
INTERNAL ADDRESS	Suite 310
STREET	4000 Legato Road
CITY	Fairfax
ZIP/POSTAL CODE	22033
COUNTRY	India
PHONE	703-621-7140
FAX	703-621-7155
EMAIL	mailroom@mg-ip.com;sbb@mg-ip.com
AUTHORIZED EMAIL COMMUNICATION	Yes

SIGNATURE SECTION

DECLARATION SIGNATURE	/pjh/
SIGNATORY'S NAME	P. Jay Hines
SIGNATORY'S POSITION	Counsel
SIGNATORY'S PHONE NUMBER	703-621-7140
DATE SIGNED	11/02/2016
RESPONSE SIGNATURE	/pjh/
SIGNATORY'S NAME	P. Jay Hines
SIGNATORY'S POSITION	Counsel
SIGNATORY'S PHONE NUMBER	703-621-7140
DATE SIGNED	11/02/2016
AUTHORIZED SIGNATORY	YES

FILING INFORMATION SECTION

SUBMIT DATE	Wed Nov 02 18:19:06 EDT 2016
	USPTO/ROA-XXX.XXX.XXX.XXX -20161102181906344881-868 84662-570e433d24a3a14588a

Response to Office Action

To the Commissioner for Trademarks:

Application serial no. **86884662** SPLITVIEW(Standard Characters, see https://tmng-al.uspto.gov/resting2/api/img/86884662/large) has been amended as follows:

ARGUMENT(S)
In response to the substantive refusal(s), please note the following:

Section 2(e)(1) Issue

Applicant is entering a formal Section 2(f) claim of acquired distinctiveness as well as actual evidence of acquired distinctiveness. Applicant has been using the subject mark in commerce with the United State since as early as August 31, 2005. Please see the excerpts from Applicant's website, including the "About Us" page, attached in the evidence section of the Response.

Applicant also submits evidence of advertising expenditures in connection with the Google AdWords program and campaign of over $30,000, which has resulted in over 17 million ad impressions and over 36,000 clicks on Applicant's website. Further Applicant provides evidence of the revenue generated from the SplitView software of close to $6 million since 2005.

In the alternative, Applicant argues that the mark is not merely descriptive of the goods. In order to be descriptive, the mark must immediately convey information as to the goods with a "degree of particularity." *Plus Products v. Medial Modalities Associates, Inc.*, 211 USPQ 1199, 1204-1205 (TTAB 1981); *Holiday Inns, Inc. v. Monolith Enterprises*, 212 USPQ 949, 952 (TTAB 1981). It has not been shown that the mark would be immediately perceived by potential purchasers as descriptive of the software. As stated in *In re Intelligent Medical Systems, Inc.*, 5 USPQ2d 1647, 1675 (TTAB 1987) (INTELLIGENT MEDICAL SYSTEMS not merely descriptive of electronic thermometers), "[T]he word 'merely' in Section 2(e)(1) 'means that if the mark clearly does not tell the potential customer only what the goods ("services") are, their function, characteristics, use or ingredients, then the mark is not 'merely descriptive.'" 1 McCarthy, Trademarks and Unfair Competition, Section 11:18 at p. 481 (2d Ed. 1984). It is not possible for software to alter the user's range of sight and certainly not divide it. Thus, the subject mark does not describe the goods with any degree of particularity.

The Examining Attorney relies on third party two word trademark use that is subsequent to Applicant's use. However, when two or more descriptive terms are combined or "telescoped" as here, the determination of whether the composite mark also has a descriptive significance turns upon the question of whether the combination of terms evokes a new and unique commercial impression. Applicant maintains that the subject mark is more than the sum of its parts. The mark is incongruent being comprised of two components that are not generally seen together. As such, when considered as a whole, it conveys a commercial impression of something having to do with multi monitor functionality software.

A mark comprising a combination of merely descriptive components is registrable if the combination of terms creates a unitary mark with a unique, nondescriptive meaning, or if the composite has a bizarre or incongruous meaning as applied to the goods. *See In re Colonial Stores Inc.*, 394 F.2d 549, 157 USPQ 382 (C.C.P.A. 1968) (SUGAR & SPICE held not merely descriptive of bakery products); *In re Shutts,* 217 USPQ 363 (TTAB 1983) (SNO-RAKE held not merely descriptive of a snow removal hand tool). TMEP § 1209.03(d).

A mark which combines usually descriptive elements may result in a composite which is non-descriptive. *In re Warner Electric Brake and Clutch Co.*, 154 USPQ 328 (TTAB 1967) (ELECTRO-MODULE held not descriptive of electro-magnetic brakes); *Firestone Tire and Rubber Co. v. Goodyear Tire and Rubber Co.*, 186 USPQ 557 (TTAB 1975), *aff'd* 189 USPQ 348 (CCPA 1976) (BIASTEEL for steel belted bias tire held only suggestive, not descriptive). Thus the composite mark here, viewed in its entirety, is analogous to the referenced marks and is not merely descriptive.

Further, third parties have used a plethora of alternatives to the components of Applicant's mark for the same type of software. See the list

attached in the evidence section of the Response.

When there is any doubt as to whether a mark is suggestive or merely descriptive, the Board has repeatedly held that the doubt should be resolved in Applicant's favor, and the mark should be published for opposition. *In re Aid Laboratories, Inc.*, 221 USPQ 215 (TTAB 1983).

For the foregoing reasons, Applicant respectfully requests that he refusal pursuant to Section 2(e)(1) of the Trademark Act be withdrawn.

EVIDENCE
Evidence in the nature of website excerpts, Google AdWords advertising statistics and AdWords campaign results and hits, revenue dashboard and third party alternative uses. has been attached.
Original PDF file:
evi_208185139113-20161102180636490282_._2016-10-21_SplitView_Website_Excerpts.pdf
Converted PDF file(s) (9 pages)
Evidence-1
Evidence-2
Evidence-3
Evidence-4
Evidence-5
Evidence-6
Evidence-7
Evidence-8
Evidence-9
Original PDF file:
evi_208185139113-20161102180636490282_._2016-11-02_Google_AdWords_Advertising_Statistics.pdf
Converted PDF file(s) (10 pages)
Evidence-1
Evidence-2
Evidence-3
Evidence-4
Evidence-5
Evidence-6
Evidence-7
Evidence-8
Evidence-9
Evidence-10
Original PDF file:
evi_208185139113-20161102180636490282_._2016-11-02_Google_AdWords_Results_Statistics.pdf
Converted PDF file(s) (1 page)
Evidence-1
Original PDF file:
evi_208185139113-20161102180636490282_._2016-11-02_Revenue_Dashboard.pdf
Converted PDF file(s) (1 page)
Evidence-1
Original PDF file:
evi_208185139113-20161102180636490282_._2016-11-02_Third_Party_Alternative_Uses.pdf
Converted PDF file(s) (5 pages)
Evidence-1
Evidence-2
Evidence-3
Evidence-4
Evidence-5

CORRESPONDENCE ADDRESS CHANGE
Applicant proposes to amend the following:

Current:
SINGH, ROHIT
114, POCKET H-17, SECTOR 7, ROHINI
NEW DELHI
IN
110085

Proposed:
P. Jay Hines of Muncy, Geissler, Olds & Lowe, P.C., having an address of
Suite 310 4000 Legato Road Fairfax, 22033
India
mailroom@mg-ip.com;sbb@mg-ip.com
703-621-7140
703-621-7155
The docket/reference number is 4120/0001US1 .

ADDITIONAL STATEMENTS
SECTION 2(f) Claim of Acquired Distinctiveness, BASED ON EVIDENCE
The mark has become distinctive of the goods/services, as demonstrated by the attached evidence.

Original PDF file:
e2f-208185139113-180636490_._2016-10-21_SplitView_Website_Excerpts.pdf
Converted PDF file(s) (9 pages)
2(f) evidence-1
2(f) evidence-2
2(f) evidence-3
2(f) evidence-4
2(f) evidence-5
2(f) evidence-6
2(f) evidence-7
2(f) evidence-8
2(f) evidence-9
Original PDF file:
e2f-208185139113-180636490_._2016-11-02_Google_AdWords_Advertising_Statistics.pdf
Converted PDF file(s) (10 pages)
2(f) evidence-1
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2(f) evidence-3
2(f) evidence-4
2(f) evidence-5
2(f) evidence-6
2(f) evidence-7
2(f) evidence-8
2(f) evidence-9
2(f) evidence-10
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Converted PDF file(s) (1 page)
2(f) evidence-1
Original PDF file:
e2f-208185139113-180636490_._2016-11-02_Revenue_Dashboard.pdf
Converted PDF file(s) (1 page)
2(f) evidence-1

SECTION 2(f) Claim of Acquired Distinctiveness, based on Five or More Years' Use
The mark has become distinctive of the goods/services through the applicant's substantially exclusive and continuous use of the mark in commerce that the U.S. Congress may lawfully regulate for at least the five years immediately before the date of this statement.

SIGNATURE(S)
Declaration Signature

DECLARATION: The signatory being warned that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that such willful false statements and the like may jeopardize the validity of the application or submission or any registration resulting therefrom, declares that, if the applicant submitted the application or allegation of use (AOU) unsigned, all statements in the application or AOU and this submission based on the signatory's own knowledge are true, and all statements in the application or AOU and this submission made on information and belief are believed to be true.

STATEMENTS FOR UNSIGNED SECTION 1(a) APPLICATION/AOU: If the applicant filed an unsigned application under 15 U.S.C. §1051(a) or AOU under 15 U.S.C. §1051(c), the signatory additionally believes that: the applicant is the owner of the mark sought to be registered; the mark is in use in commerce and was in use in commerce as of the filing date of the application or AOU on or in connection with the goods/services/collective membership organization in the application or AOU; the original specimen(s), if applicable, shows the mark in use in commerce as of the filing date of the application or AOU on or in connection with the goods/services/collective membership organization in the application or AOU; *for a collective trademark, collective service mark, collective membership mark application, or certification mark application,* the applicant is exercising legitimate control over the use of the mark in commerce and was exercising legitimate control over the use of the mark in commerce as of the filing date of the application or AOU; *for a certification mark application,* the applicant is not engaged in the production or marketing of the goods/services to which the mark is applied, except to advertise or promote recognition of the certification program or of the goods/services that meet the certification standards of the applicant. **To the best of the signatory's knowledge and belief, no other persons, except, if applicable, authorized users, members, and/or concurrent users, have the right to use the mark in commerce, either in the identical form or in such near resemblance as to be likely, when used on or in connection with the goods/services/collective membership organization of such other persons, to cause confusion or mistake, or to deceive.**

STATEMENTS FOR UNSIGNED SECTION 1(b)/SECTION 44 APPLICATION AND FOR SECTION 66(a) COLLECTIVE/CERTIFICATION MARK APPLICATION: If the applicant filed an unsigned application under 15 U.S.C. §§ 1051(b), 1126(d), and/or 1126(e), or filed a collective/certification mark application under 15 U.S.C. §1141f(a), the signatory additionally believes that: *for a trademark or service mark application,* the applicant is entitled to use the mark in commerce on or in connection with the goods/services specified in the application; the applicant has a bona fide intention to use the mark in commerce and had a bona fide intention to use the mark in commerce as of the application filing date; *for a collective trademark, collective service mark, collective membership mark, or certification mark application,* the applicant has a bona fide intention, and is entitled, to exercise legitimate control over the use of the mark in commerce and had a bona fide intention, and was entitled, to exercise legitimate control over the use of the mark in commerce as of the application filing date; the signatory is properly authorized to execute the declaration on behalf of the applicant; *for a certification mark application,* the applicant will not engage in the production or marketing of the goods/services to which the mark is applied, except to advertise or promote recognition of the certification program or of the goods/services that meet the certification standards of the applicant. **To the best of the signatory's knowledge and belief, no other persons, except, if applicable, authorized users, members, and/or concurrent users, have the right to use the mark in commerce, either in the identical form or in such near resemblance as to be likely, when used on or in connection with the goods/services/collective membership organization of such other persons, to cause confusion or mistake, or to deceive.**

Signature: /pjh/   Date: 11/02/2016
Signatory's Name: P. Jay Hines
Signatory's Position: Counsel
Signatory's Phone Number: 703-621-7140

Response Signature
Signature: /pjh/   Date: 11/02/2016
Signatory's Name: P. Jay Hines
Signatory's Position: Counsel

Signatory's Phone Number: 703-621-7140

The signatory has confirmed that he/she is an attorney who is a member in good standing of the bar of the highest court of a U.S. state, which includes the District of Columbia, Puerto Rico, and other federal territories and possessions; and he/she is currently the owner's/holder's attorney or an associate thereof; and to the best of his/her knowledge, if prior to his/her appointment another U.S. attorney or a Canadian attorney/agent not currently associated with his/her company/firm previously represented the owner/holder in this matter: (1) the owner/holder has filed or is concurrently filing a signed revocation of or substitute power of attorney with the USPTO; (2) the USPTO has granted the request of the prior representative to withdraw; (3) the owner/holder has filed a power of attorney appointing him/her in this matter; or (4) the owner's/holder's

appointed U.S. attorney or Canadian attorney/agent has filed a power of attorney appointing him/her as an associate attorney in this matter.

Mailing Address: P. Jay Hines
  Muncy, Geissler, Olds & Lowe, P.C.
  Suite 310
  4000 Legato Road
  Fairfax, 22033

GENERAL REFERENCE
VOLUME 1
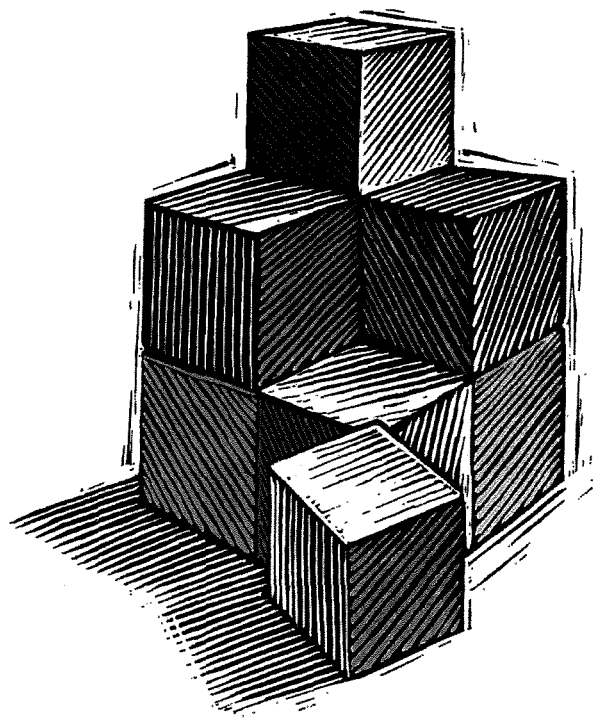
NEXTSTEP™

Object-Oriented Software

NeXTSTEP™
GENERAL REFERENCE
Volume 1

NeXTSTEP Developer's Library   *Release 3*
NeXT Computer, Inc.

▲
▼▼

PANTONE®* Computer Video simulations used in this product may not match PANTONE-identified solid color standards. Use current PANTONE Color Reference Manuals for accurate color.

*Pantone, Inc.'s check-standard trademark for color.

This manual describes NeXTSTEP Release 3.

Written by NeXT Publications.

This manual was designed, written, and produced on NeXT computers. Proofs were printed on a NeXT 400 dpi Laser Printer and NeXT Color Printer. Final pages were transferred directly from a NeXT optical disk to film using NeXT computers and an electronic imagesetter.

Introduction

This manual describes the application programming interface (API) for the
NeXTSTEP™ development environment. It's part of a collection of manuals called
the *NeXTSTEP Developer's Library*, which offer assistance to developers creating
applications for NeXTSTEP computers. Some of the other manuals in the library are
listed on the back cover.

The two volumes of the *General Reference* provide detailed descriptions of all the
NeXTSTEP software kits and of all the classes, functions, operators, and other
programming elements that make up the API. The first volume covers the root Object class,
Application Kit™, and other common classes and functions. The second volume covers
more specialized kits, like Database Kit™, Phone Kit™, and 3D Graphics Kit™. Most
programmers will use the Application Kit and one or more of the other kits, depending on
the kind of application they're developing.

The information in these volumes is supplemented by on-line release notes (in the
/NextLibrary/Documentation/NextDev/ReleaseNotes directory) that you can access
through the Digital Librarian application. The release notes provide last-minute
information about the latest release of the software.

The Mach operating system is documented in another *Developer's Library* manual,
NeXTSTEP Operating System Software. For the most part, you don't have to be familiar
with Mach to use the Application Kit and other software documented here.

However, this manual does assume that you're familiar with the NeXTSTEP user interface,
with the C programming language, and with the Objective C extensions to C. Objective C
is documented in *NeXTSTEP Object-Oriented Programming and Objective C*. The user
interface is described and explained in *NeXTSTEP User Interface Guidelines*.

2 *Application Kit*

Library:	libNeXT_s.a
Header File Directory:	/NextDeveloper/Headers/appkit
Import:	appkit/appkit.h

Introduction

The Application Kit defines a set of Objective C classes and protocols, C functions, and assorted constants and data types that are used by virtually every NeXTSTEP application. The pith of the Kit are the tools it provides for implementing a graphical, event-driven user interface:

* The Application Kit provides classes—most notably Window and View—that make drawing on the screen exquisitely succinct. Much of the unromantic work that's involved in drawing—communicating with hardware devices and screen buffers, clearing areas of the screen before drawing, coordinating overlapping drawing areas— is taken care of for you, letting you concentrate on the much more gratifying task of supplying code that simply draws. And even this task is assisted by many of the other classes and a number of C functions that provide drawing code for you.

- The Application Kit makes event handling extremely simple. The Responder class, from which many of the Kit's classes inherit, defines a mechanism by which the user's actions are passed to the objects in your application that can best respond to them. The Application class, which inherits from Responder, establishes the low-level connections that makes this system possible. It provides methods that inform your application of watershed events, such as when the user makes the application active and inactive, and when the user logs out or turns off the computer.

By using these tools, you bless your application with a look and feel that's similar to other applications, making it easier for the user to recognize and use.

Application Kit Classes and Protocols

The Application Kit is large; it comprises more than 50 classes and protocols. Figure 1 shows the inheritance hierarchy of the Application Kit classes. The following sections briefly describe the topics that the Kit addresses through its classes and protocols. Within the descriptions, class and protocol names are highlighted as they're introduced for easy identification.

Encapsulating an Application

The central class of the Application Kit is **Application**. Every application that uses the Application Kit is given a single Application object, known to your program as NXApp, that keeps track of the application's windows and menus, controls the main event loop, lets you open NeXT Interface Builder files (with support from the **NXNibNotification** protocol), and maintains information regarding printing, languages, screens, color support, and so on.

General Drawing and Event Handling

The **Window** and **View** classes are the centerpieces of drawing. More specifically, Windows represent rectangular areas on the screen in which the user works. To the extent that everything the user does is directed to a Window, an application's set of Windows *is* the application. Views are areas within Windows that perform your application's drawing.

Panel is a subclass of Window that you use to display transient, global, or pressing information. For example, you would use a Panel, rather than an instance of Window, to display error messages, or to query the user for a response to remarkable or unusual circumstances.

The **Responder** class defines the *responder chain*, an ordered list of objects that respond to user events. When the user clicks the mouse or presses a key, an event is generated and passed up the responder chain in search of an object that can respond to it.

Menus and Cursors

The **Menu**, **MenuCell**, and **NXCursor** classes define the look and behavior of the menus and cursors that your application displays to the user.

Grouping and Scrolling Views

The **Box**, **ScrollView**, and **NXSplitView** classes provide graphic accoutrements to some other View or collection of Views. A Box groups some number of other Views, and lets you draw a border around the entire group. NXSplitView lets you "stack" Views vertically, apportioning to each View some amount of a common territory; a sliding control bar lets the user redistribute the territory among Views. ScrollView, and its helper **ClipView**, provide a scrolling mechanism as well as the graphic objects that let the user initiate and control a scroll.

NXSplitView

Inherits From: View : Responder : Object

Declared In: appkit/NXSplitView.h

Class Description

An NXSplitView object lets several Views share a region within a window. The NXSplitView resizes its subviews so that each subview is the same width as the NXSplitView, and the total of the subviews' heights is equal to the height of the NXSplitView. The NXSplitView positions its subviews so that the first subview is at the top of the NXSplitView, and each successive subview is positioned below. The user can set the height of two subviews by moving a horizontal bar called the *divider*, which makes one subview smaller and the other larger.

To add a View to an NXSplitView, you use the **addSubview:** View method. When the NXSplitView is displayed, it checks to see if its subviews are properly tiled. If not, it invokes the **splitView:resizeSubviews:** delegate method, allowing the delegate to specify the heights of specific subviews. If the delegate doesn't implement a **splitView:resizeSubviews:** method, **the NXSplitView sends adjustSubviews to itself to** yield the default tiling behavior.

When a mouse-down occurs in an NXSplitView's divider, the NXSplitView determines the limits of the divider's travel and tracks the mouse to allow the user to drag the divider within these limits. With the following mouse-up, the NXSplitView resizes the two affected subviews, informs the delegate that the subviews were resized, and displays the affected Views and divider. The NXSplitView's delegate can constrain the travel of specific dividers by implementing the **splitView:getMinY:maxY:ofSubviewAt:** method.

Instance Variables

id **delegate**;

delegate   The object that receives notification messages from the
                            NXSplitView.

Method Types

Initializing an NXSplitView	– initFrame:
Handling Events	– mouseDown:
	– acceptsFirstMouse
Managing component Views	– adjustSubviews
	– resizeSubviews:
	– dividerHeight
	– drawSelf::
	– drawDivider:
	– setAutoresizeSubviews:
Assigning a delegate	– delegate
	– setDelegate:

Instance Methods

acceptsFirstMouse

– (BOOL)acceptsFirstMouse

Returns YES, thus allowing the NXSplitView to respond to the mouse event that made its Window the key window.

See also: – **acceptsFirstMouse** (View)

adjustSubviews

– adjustSubviews

Adjusts the heights of the NXSplitView's subviews so the total height fills the NXSplitView. The subviews are resized proportionally; the size of a subview relative to the other subviews doesn't change. This method is invoked if the NXSplitView's delegate doesn't respond to a **splitView:resizeSubviews:** message. Returns **self**.

See also: – **setDelegate:**, – **splitView:resizeSubviews:** (delegate method),
– **setFrame:** (View)

delegate

– delegate

Returns the NXSplitView's delegate.

See also: – **setDelegate:**

dividerHeight

– (NXCoord)**dividerHeight**

Returns the height of the divider. You can override this method to change the divider's height, if necessary.

See also: – **drawDivider:**

drawDivider:

– **drawDivider:**(const NXRect *)*aRect*

Draws a divider between two of the NXSplitView's subviews. *aRect* describes the entire divider rectangle in the NXSplitView's coordinates, which are flipped. The default implementation composites a default image to the center of *aRect*; if you override this method and use a different icon to identify the divider, you may want to change the height of the divider. Returns **self**.

See also: – **dividerHeight** – **composite:toPoint:** (NXImage)

drawSelf::

– **drawSelf:**(const NXRect *)*rects* :(int)*rectCount*

Draws the NXSplitView. You never invoke this method directly; it's invoked by the display mechanism. Returns **self**.

See also: – **drawDivider:**, – **resizeSubviews:**, – **display:** (View)

initFrame:

– **initFrame:**(const NXRect *)*frameRect*

Initializes the NXSplitView, which must be a newly allocated NXSplitView instance, setting its frame rectangle to the argument. The NXSplitView's coordinate system is flipped, and it's set to autoresize its subviews. This method is the designated initializer for the NXSplitView class. Returns **self**.

See also: – **setAutoresizeSubviews:** (View)

mouseDown:

– mouseDown:(NXEvent *)*theEvent*

You never invoke this method; it's invoked when the user clicks in the NXSplitView. Returns self.

See also: – splitView:getMinY:maxY:ofSubviewAt: (delegate), – splitViewDidResizeSubviews: (delegate), – setFrame: (View)

resizeSubviews:

– resizeSubviews:(const NXSize *)*oldSize*

Ensures that the NXSplitView's subviews are properly sized to fill the NXSplitView. If the delegate implements the **splitView:resizeSubviews:** method, that method is invoked to resize the subviews; otherwise, the **adjustSubviews** method is invoked to resize the subviews. In either case, this method then informs the delegate that the subviews were resized. *oldSize* is the previous bounds rectangle size. Returns self.

See also: – splitView:resizeSubviews: (delegate), – adjustSubviews, – splitViewDidResizeSubviews: (delegate), – resizeSubviews: (View)

setAutoresizeSubviews:

– setAutoresizeSubviews:(BOOL)*flag*

Overrides View's **setAutoresizeSubviews:** method to ensure that automatic resizing of subviews will not be disabled. You should never invoke this method. Returns self.

setDelegate:

– setDelegate:*anObject*

Makes *anObject* the NXSplitView's delegate. The notification messages that the delegate can expect to receive are listed at the end of the NXSplitView class specifications. The delegate doesn't need to implement all the delegate methods. Returns self.

See also: – delegate

Methods Implemented by the Delegate

splitView:getMinY:maxY:ofSubviewAt:

– splitView:*sender*
getMinY:(NXCoord *)*minY*
maxY:(NXCoord *)*maxY*
ofSubviewAt:(int)*offset*

Allows the delegate to constrain the *y* coordinate limits of a divider when the user drags the mouse. This method is invoked before the NXSplitView begins tracking the mouse to position a divider. When this method is invoked, the limits have already been set and are stored in *minY* (the topmost limit) and *maxY* (the bottommost limit). You may further constrain the limits by setting the variables indicated by *minY* and *maxY,* but you cannot extend the divider limits. *minY* and *maxY* are specified in the NXSplitView's flipped coordinate system. The divider to be repositioned is indicated by *offset,* an index that counts the dividers from top to bottom starting with divider 0.

See also: – mouseDown:

splitView:resizeSubviews:

– splitView:*sender* resizeSubviews:(const NXSize *)*oldSize*

Allows the delegate to specify custom sizing behavior for the subviews of the NXSplitView. If the delegate implements this method, **splitView:resizeSubviews:** is invoked after the NXSplitView is resized; otherwise, **adjustSubviews** is invoked to retile the subviews. The old size of the NXSplitView is indicated by *oldSize*; the subviews should be resized such that the sum of the heights of the subviews plus the sum of the heights of the dividers equals the height of the NXSplitView's new frame. You can get the height of a divider through the **dividerHeight** method.

See also: – adjustSubviews, – dividerHeight, – setFrame: (View)

splitViewDidResizeSubviews:

– splitViewDidResizeSubviews:*sender*

Informs the delegate that the sizes of some or all of the NXSplitView's subviews were changed. This method is invoked when the NXSplitView resizes all its subviews because its frame rectangle changed, and also after the NXSplitView resizes two subviews in response to the repositioning of a divider.

See also: – resizeSubviews:, – mouseDown:

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6.4 A Split View

Our idea of how much space to allocate between the table of data points and the
form containing the output statistics might not be the one that should control. The
user may have other ideas. It would be better to put the two views inside a split
view so the user can drag the border between them back and forth.

Interface Builder does not provide an $NSSplitView$ or an
$NSScrollView$ in its palettes, except for the ones prebuilt around other
views. To get a split view, select the views you want to be in the split view—in this
case, the scroll view containing the data table and the $NSForm$ for the results.

Then select the menu item Layout ⟶ Make subviews of ⟶ Split View to
wrap the views in a split view big enough to contain them and oriented so the split
comes between them. See Figure 6.11.

Figure 6.11 Adding a split view. Selecting two side-by-side views, and

using the menu command Layout ⟶ Make subviews of ⟶ Split
View encloses the views in an NSSplitView, with the splitter between
them

Try out the new view by pressing command-R. The halves of the split view should
resize as you drag the dimpled bar between them. The new split view comes with
no automatic resizing, so when you return Interface Builder to its normal editing
mode, you'll want to set the split view's internal struts to springs
with the window.

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be
help all of you. Thanks.

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iPhone SDK calls out nonexistent iPad cam, confirms split views and popovers are iPad-specific

Engadget

January 27, 2010 Wednesday 6:54 PM EST

Length: 259 words

Byline: PRODS@WEBLOGSINC.COM (Chris Ziegler)

Body

Jan. 27, 2010 (AOL Weblogs delivered by Newstex) --

iPhone owners holding out hope that OS 3.2 would bring some of these fancy new *iPad* spoils to their devices might be in for a disappointment, because two of the big ones -- *split view* and popovers -- are both referred to in *Apple*'s (NASDAQ:AAPL) updated human interface guidelines as "iPad-only." Realistically, this shouldn't come as a surprise; both of these UI elements were built to shine on larger displays, and it's hard to say how you could make either one of them work on HVGA -- but it's important for devs to note that heavily investing in these are definitely going to make it difficult to make their apps compatible across all iPhone OS-powered devices. Considering that iPhones will almost certainly continue to dominate iPads for sales volume, we know how we'd be developing.

In other news, running the updated iPhone simulator in iPad mode gives you the option to take photos, which doesn't make a heck of a lot of sense considering that it doesn't have a camera. There are plenty of plausible explanations for the muck-up, but our guess is that *Apple*'s left the vestigial capability on-board since the framework's already in place for the iPhone and there could very well be iPads down the road that have a cam (or two). Follow the break for a shot of the iPad's Address Book imploring you to take a photo -- and savor it, since it's probably the closest you'll actually get to snapping a shot on the device any time soon.
[Thanks, iPhone Dev and Eric]

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Notes

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iPhone SDK calls out nonexistent iPad cam, confirms split views and popovers are iPad-specific

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Erin Reimer

Understanding the iPad OS [Ipad]

Gizmodo

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Body

Apr. 6, 2010 (*Gawker Media* delivered by Newstex) --

There have been tablets before the iPad. They weren't as beautiful or well crafted, but that wasn't why we chose not to pick them up. It was the software.

To call the iPad a big iPhone is both truth and disservice, belying the simple fact that changing the screen size really does change everything. It's more than the difference between standard def and HD, between 5 1/4-inch action figures and 10-inch scale, between vegan facon and real pork belly. When you open Scrabble for the first time, and the entire board's splayed in front of you, or holding the screen aloft, steering your plane in Plane X so it doesn't crash into the ground, it physically soaks up enough of your viewing field you can actually become absorbed. Like *Jesus says in his breakdown of the hardware*, "The iPad functional objective was to make the product as invisible as possible, a simple, elegant stage for the real important actors: The applications."

Interface

The iPad software is familiar, though, because *Apple* (NASDAQ:AAPL) trained the world how to use it with the iPhone. A grid of glossy icons"touch one, and the app balloons out of nowhere to fill the screen, remaking the iPad into something completely different than it was a second ago. The gestural language of multitouch"the pinches, the swipes, and the flicks. It's an interface designed to be manipulated entirely with your fingers, and the basic elements of all translate, just on a slightly grander scale. It's simple, slick, *natural*.

Speed. *Speed matters*. When the hardware disappears, and there's just software in front of you, speed is what makes the verisimilitude of directly manipulating whatever's the on the screen bleed into the sublime. It's the responsiveness that makes you feel like you're actually zipping around a map, not swiping at a screen that's merely interpreting electrical signals generated by your fingers into commands. The second "wow" moment"after you turn the iPad on and the screen bursts to life"is when you flick through a entire web page with a single swipe, instantly and smoothly.

One of the ways it's fundamentally different from the iPhone is that the interface and software are now truly designed to be used equally in both portrait mode and landscape. It sounds like a small thing, but it's not"it gives power to the idea that you can use it however you want, that it's really a blank slate that morphs to become whatever you want it to be. It's remarkably proficient at figuring out exactly how you're holding it, and the software gracefully, speedily adjusts itself accordingly, rolling into position. All of the core applications"Safari, Mail, iPod, Notes"shift into new layouts, optimized for whichever way you're holding it. It feels so natural so quickly that you simply expect it to be the case, so when third-party applications don't remold themselves to how you're holding the iPad, it's jarring.

Even if the iPad perfectly upscaled the iPhone interface and apps, pixel for pixel, they wouldn't feel right on the iPad, so (most) everything is redesigned for the larger screen, when it makes sense. For instance, slide-to-unlock is the same distance as it is on the iPhone, but the iPod music lockscreen controls that you can see above are spread across the entire screen.

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Two new user interface conventions in particular transform apps to make real use of the extra space with either more information density or greater focus: *Split view* and popovers. (Twitterific isn't a native app, but it shows off both here.) *Split view* appears in landscape orientation, and presents two windows panes"typically, on the left is navigation (your various inboxes in Mail, music sources in iPod, all of your notes in Notes) and on the right is whatever you've selected (a message, an album, a note). On the iPhone, this would be two distinct screens"you click on something in one pane, and suddenly you get the other pane"drilling down instead of working in parallel. Many apps, particularly ones that are using mail as a UI model, like Instapaper, use this.

Popovers, a kind of contextual pop-up dialog box layered on top of whatever you're looking at, are in almost every app. Completely contextual, they can act as navigation panes (like when Mail's in portrait mode, a popover shows all of your messages or inboxes); or typing a URL in Safari, a popover will appear, showing suggested URLS based on your history; or a scrolling list; or as a navigator pick out a photo to load into iWork. It's a second layer, one that never existed on the iPhone because there isn't enough space.

On Multitasking

The iPhone evangelized the rather retro notion of running just one app at a time. And this has been mostly fine (though by no means excellent), given the screen size, and with workarounds like push notifications. The limits of these workarounds are more painfully exposed by the iPad's giant screen: Switching out of a game or movie or email to dedicate the entire display to instant messaging feels absurd and wasteful, even considering that, in landscape mode, half the screen is dedicated to the keyboard.

What's sad is that the kinds of things people commonly want multitasking for"mostly people who don't even care what true "multitasking" means"seem simple enough, even for this operating system: Messaging, geolocation and playing music from apps like Pandora in the background. Even though Pandora makes beautiful use of all the room it's granted, not being able run it in the background while surfing the web, typing out an email"or hey, sending an IM"just feels ridiculous in so many ways. Every time you have to close it to do something else, a little bubble of fury rises in your throat, erupting as a flustered sigh. I really can't respond to my friend's message without closing everything I'm doing on this huge thing? The choices you're being forced to make feel false and arbitrary, like bacon or eggs.

The modal nature of push notifications stabs your brain harder too, like when your zombie slaying groove in Call of Duty is wrecked without warning by a little blue square that takes over your entire screen, informing you that a new IM is waiting. It just doesn't work. At the very least, notifications need to be implemented very differently, because the iPad is meant to be immersive"and it really is?and to have that shredded by a workaround for capabilities it currently lacks, that's kind of heartbreaking. Something like Growl, that's unobtrusive, could work. (This will hopefully change with iPhone 4.0.)

The hardware constraints that made running one app at a time make sense are nearly obliterated in the iPad"the battery and screen are an order of magnitude larger, the processor markedly zippier. I suspect the remaining hardware cramp may now be the paltry amount of RAM in the iPad, a mere 256MB"the same amount that's in the iPhone 3GS"but it doesn't really matter why. As *Apple*'s fond of intoning, people just want it to do what they want it to do.

Put simply, the iPhone might not need multitasking. The iPad does.

Mimesis, or a Love Affair with Paper

For a blank slate that can magically transform into anything, *Apple*'s preoccupation with mimesis might seem a little curious. The Contacts app looks like a Moleskine address book while Calendar imitates a real-world datebook"though it functions so beautifully and smoothly it's very possibly my favorite native app. iBooks uses a bookshelf metaphor that practically smells of rich mahogany, and books whose pages turn with a realistic animation that you can't turn off. Ticking off messages in Mail stacks them like a pile of paper. In other words, *Apple* wants their apps to feel something like real-world experiences.

As Jesus noted, "*Apple* designed this device to be treated like a book," and this carries through to any app that's an abstraction of paper. Maybe it's meant for your parents to feel more comfortable using the iPad to read books and organize

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their contacts and calendars, but the implementation of the realism feels so cheesy in some places that it's simply not comforting, not even to that target audience, I suspect.

Typing

Yes, it's pretty much a jumbo iPhone keyboard. (An idea that seemed so silly, *we made fun of it*.) We have been *typing on the iPad in depth here*, but simply put, an external keyboard is ideal. Still, as we noted earlier, the compromise here "is going to be inherent to all touchscreen keyboards on tablets." There's no novel solution, not for **Apple** or anyone else.

The Apps

The native iPad apps have shrunk in number versus the iPhone, and"with the exception of Safari, Mail and the App Store"the remaining apps carry much less weight. Which is to say, you won't use them as much as you do on an iPhone. The iPad is really all about the applications and content that developers will create.

App Store and iTunes

Quite honestly, the App Store on the iPad is now the best way to get apps. Navigating and finding apps feels far more serendipitous and engaging than pointing and clicking on a desktop, and with the screen real estate, you can actually see the store and app previews, unlike the iPhone. It manages to fracture one of biggest advantages, though, by jerking you out of the App Store every time you buy an app. This should feel seamless, and allow for more of a shopping spree. If the transactions happened almost invisibly, it wouldn't feel like you're spending money as apps pop onto your iPad, and you wouldn't feel like you've got whiplash, either.

Also, the most fundamental problem with the App Store remains: The interface breaks down when you're trying to sort through a sea of 150,000 apps to discover a few you'd really want. And the iPad's sole surviving instance of Cover Flow, a floating widget of app previews at the top of the home screen? Kinda gross lookin'.

The iTunes store looks and feels like the App Store in terms of basic navigation and layout, but it's obviously built around previewing and purchasing music, movies and TV shows, so the interface is kinda like a touchified version of the main iTunes Store interface on the desktop. Tapping album covers or film posters flips them around to show you the basic info with previews. One of the big changes is being able to download movies"even 5GB HD flicks"over Wi-Fi. (Though I wouldn't really recommended it, since my bigger download errored out a whole bunch.)

Safari

The velocity of scrolling, zooming and panning around web pages in Safari is one of the first "whoa" moments you'll have with the iPad. It's superfast, which is why it feels so awesome. The size is the other component"being able to see that much of a website radically alters the experience, turning it into something that's incredibly satisfying. Really, you've never felt anything like it.

There are a few problems, though. (And I'm not even talking about Flash. In case you were wondering, no, there's still no Flash. It hasn't affected me once since so many sites have remade themselves for the iPad, and the one time I did get upset, I quickly remembered that a Hulu app is coming.)

Safari's one place where the iPad's memory shortage makes itself apparent, since you're limited to nine windows, and quite often, it dumps the contents of a window, so when you go back you'll have to reload the whole page. That's pretty annoying. This is also, I suspect, why it doesn't have true tabs: People aren't encouraged to open a bunch, because it can't handle it. Still, tabs would be incredibly welcome for the sheer fact that the iPhone-originated process of switching between windows (click the button, you're taken to a thumbnail view of your windows, then click the window) feels more tedious than ever. With this nice big display, it shouldn't take two screens and multiple seconds to switch to a new window when everything else practically flies.

Something else we'd like? Text enlargement, like in desktop Safari. Our own Jesus, like many old dudes, prefers larger text. There's no reason it can't be done now. And when we're scanning whole, giant web pages, there's really still no "find in page" search feature?

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Photos

The traditional photo album grid has never felt slicker. Zooming in really fast, incredibly smoothly, on huge photos is definitely one of those "oooo" moments, as is "pinch to peek." The problem? Getting your photos on there and syncing is still pretty messy, pulling them in albums via iPhoto or in specific shots via iTunes. Legitimate connections to online photo services would be nice too, so you could populate it with your Flickr or Picasa or Facebook photos. Hopefully these services will soon roll out apps to handle this from their end.

Mail

Given that it looks so much like its iPhone forebear, perhaps more than any other iPad app, you'd be forgiven for not realizing it's one of the most important apps on the iPad. In truth, it makes use of every new bit of user interface, and it's the starting ground for so many other apps, from RSS readers to Instapaper to Twitter clients.

In landscape, it uses the *split view*, with your inboxes or messages on the left, and the contents you've selected on the right. The panes look and feel like their respective iPhone screens, just fused all together. If you hit "new message" or "reply," an overlay pops up with the keyboard, which takes up half the screen, and a message box that doesn't quite cover the entire top half of the screen. (You'll see this messaging overlay pop up again and again in apps like Twitterific.) Adding contacts takes place via a scrollable popover"like the old contacts list, but it doesn't take up your entire screen.

Portrait mode is more focused: When you select a message, it's all you see. To switch to a new email or look elsewhere in your accounts, you have to bring up a popover, which runs down the entire length of the iPad shows you the rest of your inbox. The mode overall is good if you have a hard time concentrating, but navigating via the popover can feel a little disjointed.

Overall, Mail works great, but the same functional limitations as the iPhone version still apply, like no unified inbox, no push Gmail, and the inability to attach a file to a message from inside the app. The list goes on, and these shortcomings feel more pronounced because of the power and size of the iPad.

Contacts, Notes and Calendar

Contacts is one of the literal "I'm a book!" apps that takes it a little far for no apparent reason. But cheesy art effects aside, in structure it's like iPhone contacts but with a two-pane view, like the Mac Contacts app. Notes is essentially the same as the iPhone with more "realism" added via the subtle outline of stitched leather surrounding the yellow legal pad. It's still gross.

Calendar, on the other hand, is a graceful application that makes the iPhone Calendar feel too constrained, and the desktop iCal feel too convoluted. Sort by day, week, month or list (showing the next 10-15 events). In day or list view, the list of events is in the left pane, and a closeup of individual events or days is in the right pane. Week and month views zoom out to a traditional calendar view, where popovers reveal event details. A scrubber on the bottom lets you quickly zip to any day or week. depending on the view. It's really nice, at least for basic calendar usage.

Maps

It's iPhone Maps, but bigger and so, so much faster, and that's a world of difference when you're talking about zooming around the world.

YouTube

It's hard to believe this is YouTube, almost"it looks too polished. The streamlined interface is miles ahead of what you get when you type youtube.com on your desktop. I can actually just sit and watch YouTube for the first time ever, also thanks to the surprisingly great video quality.

iPod and Video

iPod seems a little out of place. I have to say. It doesn't quite look like anything else. though that's not necessarily a bad thing. It's the jukebox essence of desktop iTunes, stripped to the silver bone because it only does one thing: Play music. Considering what iTunes is like on the desktop, that's kind of refreshing.

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Videos is similarly stripped down. It shows you videos. Touch, and it flips to info about the video. Touch again, and it plays. Generally speaking, anything shot in artsy super widescreen looks a little weird"like any Wes Anderson movie"since there's a ton of black between the bars and the bezel. The rub is that the movies where that effect is the worst also suffer the most from zooming to fill the screen, chopping off massive amounts of the picture.

Apps that essentially mono-task are fine, and they definitely expose how goddamn unwieldy the desktop iTunes as grown (as well as the fact that _Apple_ is aware of this), but there are definitely missing features we'd like to see. If the iPad is designed to be used in your house, why can't you stream music and videos from your desktop to your iPad using iTunes, right inside these apps? Seriously. And why isn't iTunes Remote iPhone app updated for iPad, to be used to control your desktop's iTunes? Little things like that would add up to make the iPad feel that much more connected.

Magic Spells, a Computer and a Cloud

The moments where the iPad's spell dissipates are when it runs into this uncanny valley between unique modal tablet and standard personal computer: It feels so much like a computer from the future sometimes that you just expect it to do stuff you can do with your laptop. When it can't, you get kind of depressed. Like when you want to flip a couple of iMs out without ditching your entire Scrabble game, or you really just want to send an attachment in Mail, or do something really basic like save a PDF so you can read it later. (You can't do this without a separate 99-cent program, _GoodReader_; without that, you have to re-download your PDF every time.)

And how about the entire setup process, which slavishly ties it to another computer with iTunes. It can't replace your parents' complicated desktop, because you need a computer to setup the iPad, and then to manage your music and videos (not to mention software updates down the line), so it's frozen as a secondary device. Then are the moments you wish it was more connected, like a phone. Take the Nexus One. Two minutes out of the box, a minute after punching in my email address, all of my contacts and emails are there. I didn't plug it into anything.

In other words, it's the moments where the iPad feels like it could be more, and you know it in your hands, in your fingers, as you're holding it. That it has this potential to do this or that, but it doesn't yet, and you really really want it to, because you're so incredibly enthralled with everything it already does.

Potential. Promise. Hope. That, if anything, is the real magic of it. In the meantime, it's off to a pretty good start.

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Erin Reimer

Inside the iPad SDK: Bigger screens, continued frustrations

InfoWorld Daily News

April 05, 2010 Monday

Length: 2280 words

Byline: By Peter Wayner, InfoWorld.com

Body

The wraps are off, and the iPad is now in real users' hands. So what can developers create for the iPad using the iPhone OS 3.2 SDK that *Apple* released in late January? *Apple* required developers to keep the SDK details secret until the iPad's shipment this past weekend, but now everyone is free to discuss the extended dance remix of the iPhone.

As a test of the new software API and the infrastructure supporting it, I've built several prototype iPad apps and even uploaded one, a free version of Cory Doctorow's Makers, to the iTunes App Store.

[How does the iPad stack up now that it is real? Find out in Paul Venezia's first look review of the iPad. | Take InfoWorld's tour of alternative iPhone app SDKs.]

Most of the iPad platform will be quite familiar to anyone who's developed applications for the iPhone because the API is an extension of the iPhone API, just as the iPad SDK is an extension of the iPhone OS SDK (which is why it's technically named the iPhone OS 3.2 SDK, not the iPad SDK). There are several new routines for using all of the extra screen space, and most of the other elements are pretty close to what iPhone developers know well.

Apple is very interested in providing games, books, and other content-delivery mechanisms, but forget about shell scripts or doing anything that's not officially blessed with a documented part of the API. So, outside of taking advantage of the larger screen and accessing the expanded formatting capabilities for e-books, creating software for the iPad will be mostly business as usual for iPhone developers.

Still, although the move to the iPad is generally simple for iPhone developers, it's filled with enough complexity to leave some confusion. Here's what you should know about creating apps for the iPad.

Using all that new screen real estate Everyone will love the iPad's bigger screen because designing for the relatively tiny iPhone screen was a merciless exercise in simplifying everything until it fit. Swiping between panels of widgets won't be a thing of the past, but it will be much less common on the iPad. Programming the iPad is like ditching that studio apartment in Manhattan and moving to a ranch in Big Sky, Montana.

First, avoid the temptation of relying on the iPad's iPhone-app compatibility. Sure, the iPad SDK will work with iPhone OS 3.0 code with no changes; it just compiles and starts right up in the so-called iPhone Simulator. Sure, there are several nice menu options in Interface Builder and Xcode for converting your old small-screen iPhone app into one for the iPad's larger screen. They're generally helpful, but they have limits: One does nothing to the size of your views, while the other one seems to make them fatter to fit the bigger screen. I had to make some but not all of them taller on my own.

While that resizing assistance is helpful, it won't make your apps work well in the iPad's larger screen real estate. You just get a version of your iPhone app that fills more of the screen. As noted by Andrew Donoho, an iPhone app developer who runs the Donoho Design Group, moving to the iPad requires rethinking your user interface. You should think of iPad apps as different form your iPhone apps, even if the underlying logic is shared.

"The smaller screen forced you to break things into smaller bits of functionality," Donoho notes. "The iPad app is going to be more complex because it's expected to do more. An iPhone 3G S could probably run the new Keynote app or the Numbers app [*Apple* is releasing] for the iPad, but the [iPhone's] screen is totally useless for a productivity app. What

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you're seeing is new capabilities because of the screen real estate." In other words, the UI difference is a key reason why *Apple* didn't bother with iPhone OS versions of Keynote, Numbers, and Pages -- the trio of *Apple*'s iWork office productivity apps -- until the iPad.

There's more to the larger iPad screen than having more room for your elements. It also affects your user interactions: When Donoho writes iPhone apps, he consciously limits himself to an 8-by-12 grid of touchable spots. The human fingers just don't have the resolution to reliably hit spots in a finer grid in the iPhone's screen, he says. But the iPad's larger screen size increases that grid's size, thus allowing more hit spots.

Sorry, the bigger screen doesn't mean Mac-like windows and dialog boxes But don't think the bigger screen means you can port your existing Mac OS X applications or use the familiar Windows and Mac OS X UI elements such as windows and dialog boxes.

[Stay up on tech news and reviews from your smartphone at infoworldmobile.com. | Get the best iPhone apps for pros with InfoWorld's business iPhone apps finder. | See which smartphone is right for you in our mobile "deathmatch" calculator.]

The iPad is still a touch-based device, so UI elements that require the precision of a mouse -- as many windows and dialog boxes do -- won't cut it. The iPad SDK reinforces that desktop-aversion by offering just a few more controls for touch-based interaction to extend the familiar iPhone UI metaphors, not replace or augment them with desktop metaphors.

The *UISplitViewController*, for instance, lets you divide the screen into two separate views that work together. What the Mac developers used to call a nonmodal dialog long ago now is recast as a **popover**, another way to add a small layer when some optional controls are helpful. The popovers, though, are meant to be more closely connected to the window underneath. They're not really extra floating windows.

It's clear *Apple* doesn't want to encourage the sea of windows that often appear on desktops. Nor is *Apple* fostering the kind of cut-and-paste multitasking among apps common on desktops or laptops. While there are new routines for creating PDF files, most of the OS design seems to be signaling that the iPad shouldn't be used for heavy work: A few emails or touchups to a presentation are fine, but real information synthesis should be left to desktops and their big keyboards.

Most new libraries are for content The iPad is more a device for consuming content than creating it, and several new libraries emphasize this.

Many of the more popular iPad apps will probably deliver words to the iPad screen, and that's why the iPad's iPhone OS 3.2 includes the beefier CoreText routines. The package first appeared in Mac OS 10.5 and is now one of the most flexible ways to display fonts on the screen. There are fonts, font descriptors, font collections, and layout engines to arrange the glyphs from these fonts on the screen.

If you want your text to move, the Core Animation code comes with a CATextLayer routine to move the text around. The iPhone developer had to make do with basic text routines, but the iPad developer gets more tools for text designers to take advantage of the iPad's screen.

Still, despite the Mac OS X origins of these routines, there are differences that might get in your way. Several methods for the CATextLayer, for instance, come with notes that say that implicit animation is available only when compiled for Mac OS X 10.6. Some iPad developers report glitches using the funkiest routines that lay out text along curves. I suspect these omissions are the result of smart decisions by *Apple* engineers who wanted to curb the API to save on battery consumption. Who wants to blow all of that battery life on words floating around the screen on weird paths?

Still, I bet that book designers -- and game designers -- will love what they can do with these routines. I'm sure that the best textbooks will soon include full animation, video, and simulation when they start appearing for the iPad. It might not even be fair to continue to use the word "book" to describe how nonfiction content will be delivered. All you need to do is compare a 30-year-old cookbook with a modern one and see what a talented book designer can do when equipped with a Mac and some good layout software. Now imagine tossing a programmer into the mix.

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But don't get too excited: The iPad's single-window model means that a click on a URL in an e-book transfers control from the e-book to Safari. Even if the publication is delivered through Safari, clicking on a link hides the current screen and moves to another. This single-window model is going to discourage the kind of foraging and wandering common to desktop Web users -- and that many designers use as their interaction model.

Be prepared for app rejections and runarounds iPhone developers have been complaining about *Apple*'s complex, often unstated rules about the App Store ever since the first iPhone SDK. That won't change with the iPad App Store.

The App Store rejected my app several times when I failed to choose correct settings for the flags in the Info.plist file. This long collection of switches in this file influences everything from the acceptable devices (iPad, iPhone, or both) to bytecode generation by the compiler. *Apple* has constructed several menu options with templates that try to set all of these switches to the correct configuration, but if you take a slightly different path, as I did, you'll end up confused.

[Also from InfoWorld: Read Peter Wayner's "iPhone App Store roulette: A tale of rejection."]

The third time I submitted the application, though, it sailed into the store after sitting in the review queue for just one day. All the fiddling with the flags and the icons worked out. It may not be the most polished book reading app, but it's an easy way to get Cory Doctorow's Makers for free. (You can get my free iPad Makers app at the App Store, as well as the iPhone version.)

Figuring out how to build an acceptable Universal Application is yet another skill that forces the developer to mix together knowledge from documentation with folk wisdom from colleagues. Sometimes the App Store will flag a mistake when you upload the app, but I had to wait for official rejection letters -- the good news is that they came after a much-improved wait time of about two days.

When I built my sample version of Cory Doctorow's Makers app, starting with an HTML version I'd previously created, the app started working almost immediately in the simulator. But I spent several days trying to upload it to the App Store.

Although there are now copious videos and some instructions that are often useful, there's also a great deal of complexity to work through -- and it's only half automated. To make matters worse, the rapid evolution of the iPad App Store platform means that the automation isn't always consistent. The Application Loader tool, for instance, kept rejecting my binary, but I could get it to upload successful through the *Apple* developer Web site.

Apple's often arbitrary rules also surfaced. For example, I lost one hour trying to upload a 512-by-512 image that is supposed to be displayed for customers, but the iTunes Connect Web site just kept rejecting my form by saying the image couldn't be found. After I filed a bug report, *Apple* told me the problem was resolved at the end of the day. Although this glitch was fixed, someone out there rejected the app because the 512-by-512 version of the icon allegedly didn't match the 57-by-57-pixel version, even thought I swear I built them from the same image. Perhaps this was caused by the way that the Make function doesn't seem to recognize changed icons. Sheesh.

A good deal of the trouble continues to come from the seemingly endless provisioning process. Every piece of software kept telling me that some certificate was going to expire in four days, but I couldn't figure out how to get a new one. After an hour of clicking, I just uploaded my code and it seemed to take after a few hours of fiddling. Then when it did expire, all of the provisioning profiles stopped working and I couldn't simply push the Modify button successfully.

At least half of the time I devoted to this app was spent in this hell. It's almost enough to make me wish that someone would figure out a cheap way to crack public key cryptography apart so no one is forced to dance for these routines.

Still, there are bright signs. The response time for submitted apps is now measured in days or even hours, not the weeks that dominated last year when everyone who wanted a yacht was writing iPhone code. The App Store now collects some crash reports about the stack location where trouble began, and it even shares some of these with developers. It offers more options for developers to connect with the customers in whatever limited form that might be. There is more and better documentation for most of the cases except for mine. All of this makes life a bit easier to live inside the concertina wire.

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But there still are moments when the automation inadvertently speaks the truth about *Apple*'s chosen role for developers in this universe: When I started a project and pushed the button to create some new templates, XCode kindly added two new lines to the comments at the top of these new files. The first began, "Created by Peter Wayner" and the second said, "Copyright *Apple* Inc 2010." The notice just applies to the template code -- I think -- but the symbolism is unmistakable.

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This article, " Inside the iPad SDK: Bigger screens, continued frustrations," was originally published at InfoWorld.com. Follow the latest news in mobile computing and software development at InfoWorld.com.

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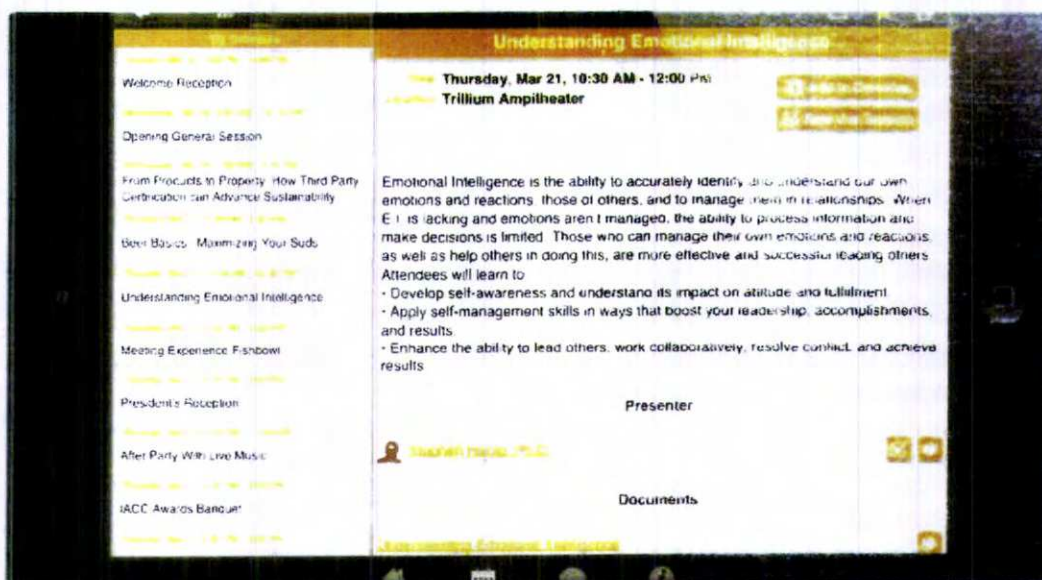
**Load-Date:** April 6, 2010

Erin Reimer

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SplitView Application In iPad

This is the SplitView application. Split View application is applicable only for the iPad devices. We will see here how to use Split View in the application. We are using here UISplitViewController for displaying two side by side view controller. Left side view controller presents a list of item and right side view controller presents details of the selected item. So let see how it will be worked.

Step 1: Open the Xcode Create a new project using a Split View-base application template. Give the application name "SplitView".
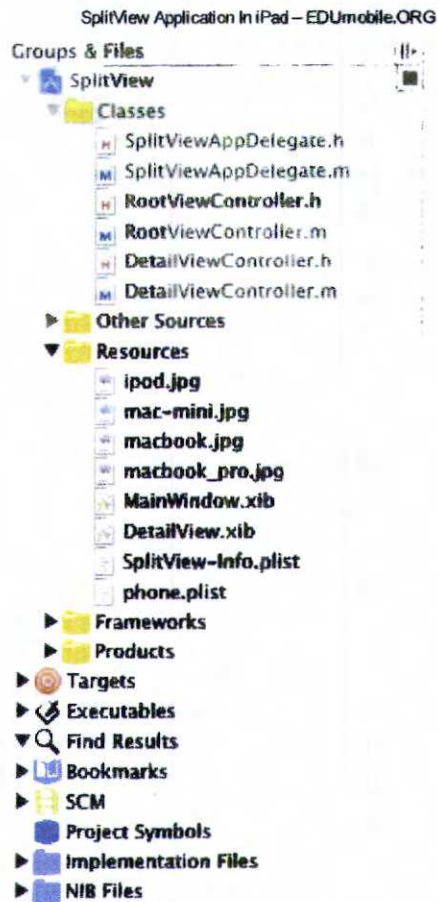
977

(http://www.edumobile.org/wp-content/uploads/2010/04/Splitview.jpg)
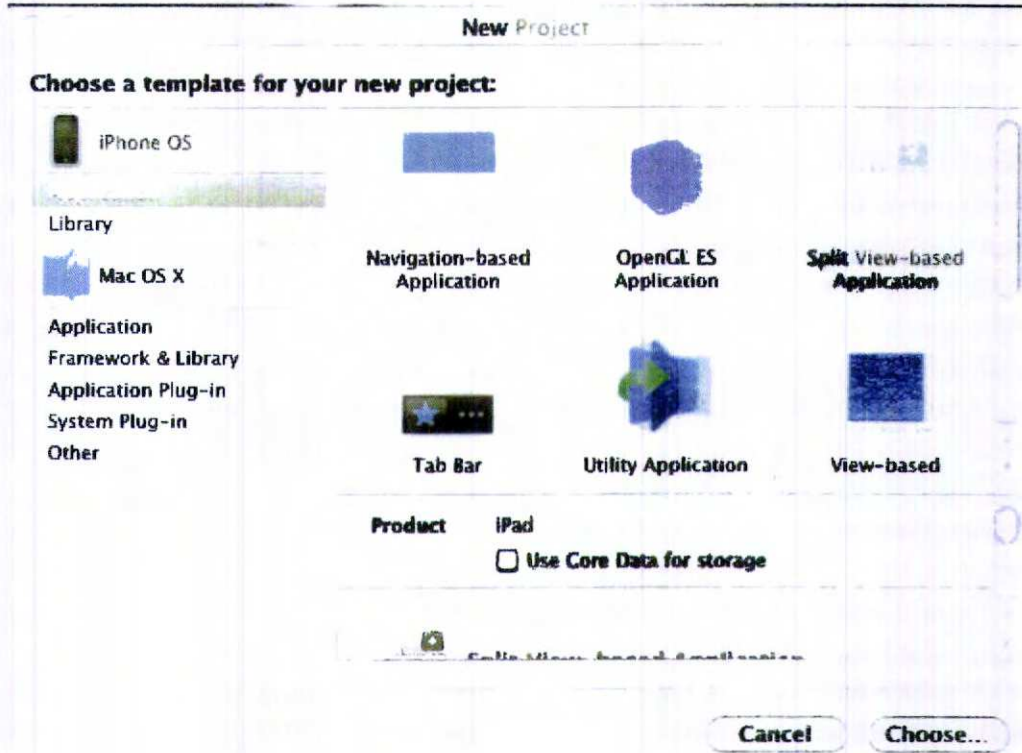
Figure 1: SplitView template

Step 2: Xcode automatically creates the directory structure and adds essential frameworks to it. You can explore the directory structure to check out the content of the directory.

Step 3: xpand classes and notice Interface Builder created the **RootViewController** and DetailViewController classes for you. Expand Resources and notice the template generated a separate nib, DetailView.xib, for the "SplitView". (See the figure2)

```
Groups & Files                              ⊩·
  ▼  SplitView                              ▪
    ▼  Classes
         H  SplitViewAppDelegate.h
         M  SplitViewAppDelegate.m
         H  RootViewController.h
         M  RootViewController.m
         H  DetailViewController.h
         M  DetailViewController.m
    ▶  Other Sources
    ▼  Resources
         ipod.jpg
         mac-mini.jpg
         macbook.jpg
         macbook_pro.jpg
         MainWindow.xib
         DetailView.xib
         SplitView-Info.plist
         phone.plist
    ▶  Frameworks
    ▶  Products
  ▶  Targets
  ▶  Executables
  ▼ Q Find Results
  ▶  Bookmarks
  ▶  SCM
       Project Symbols
  ▶  Implementation Files
  ▶  NIB Files
```

(http://www.edumobile.org/wp-content/uploads/2010/04/Figure1-2.jpg)

Figure 2: Classes and Resources

Step 4: We need to add images in the Resources folder. Give the name of the images "ipod.jpg","mac-mini.jpg","macbook.jpg","macbook_pro.jpg".

Step 5: Open the AppDelegate.m file, in the application didFinishLaunchingWithOptions: method allocated RootViewController and DetailViewController with the SplitViewController. So make the following changes in the file:

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```
1  - (BOOL)application:(UIApplication *)application didFinishLaunchingWithOptions:(N
2
3    // Override point for customization after app launch
4
5    // Add the split view controller's view to the window and display.
6
7    rootViewController = [[RootViewController alloc] initWithStyle:UITableViewStylePl
8    UINavigationController *navigationController = [[UINavigationController alloc] ir
9
10   detailViewController = [[DetailViewController alloc] initWithNibName:@"DetailViev
11   rootViewController.detailViewController = detailViewController;
12
13   splitViewController = [[UISplitViewController alloc] init];
14   splitViewController.viewControllers = [NSArray arrayWithObjects:navigationControl
15   splitViewController.delegate = detailViewController;
16
17   [window addSubview:splitViewController.view];
18   [window makeKeyAndVisible];
19
20   return YES;
21  }
```

Step 6: We need to add list of data in the Property list for this application. So add first property list in the Resources folder. Once it's added to the project ,single click .plist its just look like (below figure 3).

(http://www.edumobile.org/wp-content/uploads/2010/04/Figure2-2.jpg)
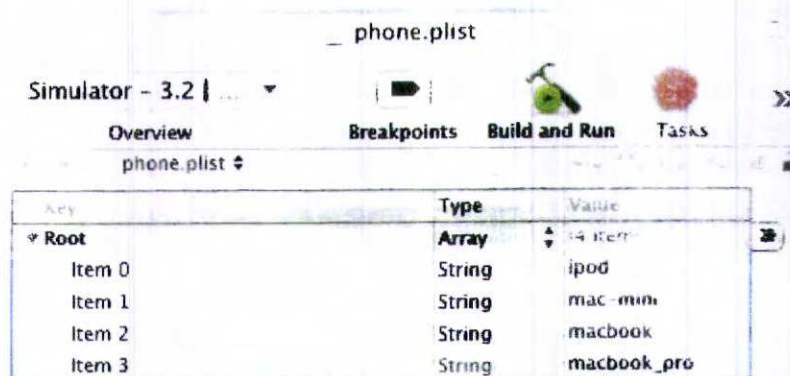
Figure 3: pList

Step 7: Open the RootViewController.h file and added NSMutableArray, basically RootViewController handling left view of the SplitView simply it is showing a table view. So make the following changes in the file:

```
1  #import <uikit/UIKit.h>
2
3  @class DetailViewController;
4
5  @interface RootViewController : UITableViewController {
6  DetailViewController *detailViewController;
7
8  NSMutableArray * phone;
9  }
10
11 @property (nonatomic, retain) IBOutlet DetailViewController *detailViewController
12 @property (nonatomic, retain) NSMutableArray * phone;
```

Step 8: Now open the RootViewController.m file and make the following changes in the file:

```
1   - (CGSize)contentSizeForViewInPopoverView {
2   return CGSizeMake(320.0, 600.0);
3   }
4
5   - (void)viewDidLoad {
6   [super viewDidLoad];
7   self.phone = [[NSArray arrayWithContentsOfFile:[[NSBundle mainBundle] pathForResc
8
9   - (NSInteger)tableView:(UITableView *)aTableView numberOfRowsInSection:(NSInteger
10  // Return the number of rows in the section.
11  return [phone count];
12  }
13
14  - (UITableViewCell *)tableView:(UITableView *)tableView cellForRowAtIndexPath:(NS
15
16  static NSString *CellIdentifier = @"CellIdentifier";
17
18  // Dequeue or create a cell of the appropriate type.
19  UITableViewCell *cell = [tableView dequeueReusableCellWithIdentifier:CellIdentifi
20  if (cell == nil) {
21  cell = [[[UITableViewCell alloc] initWithStyle:UITableViewCellStyleDefault reuseI
22  cell.accessoryType = UITableViewCellAccessoryNone;
23  }
24
25  // Configure the cell.
26  cell.textLabel.text = [self.phone objectAtIndex:indexPath.row];
27  return cell;
28  }
29
30  - (void)tableView:(UITableView *)aTableView didSelectRowAtIndexPath:(NSIndexPath
31
32  /*
33  When a row is selected, set the detail view controller's detail item to the item
34  */
35  detailViewController.detailItem = [self.phone objectAtIndex:indexPath.row];
36  }
37
38  }
```

Step 9: In the DetailViewController.h file, we have added UIImageView for displaying image in the right pane and added navigationBar. DetailViewController handle the right pane of the SplitView. So make the following changes in the file:

982

```
1  #import <uikit/UIKit.h>
2
3  @interface DetailViewController : UIViewController <uipopoverControllerDelegate,
4
5  UIPopoverController *popoverController;
6  UINavigationBar *navigationBar;
7  id detailItem;
8  IBOutlet UIImageView * phoneView;
9  }
10
11 @property (nonatomic, retain) IBOutlet UINavigationBar *navigationBar;
12 @property (nonatomic, retain) id detailItem;
13 @property (nonatomic, retain) IBOutlet UIImageView * phoneView;
```

Step 10: Double click the DetailView.xib file and open it to the Interface Builder. First drag the NavigationBar from the library and place it top portion of the view window. Next drag the ImageView from the library and place it to the view window. Now connect the File's Owner icon to View icon and select the view. Next select the File's Owner icon and bring up connection inspector connect navigationBar to the NavigationBar (See figure4) and connect the phoneView to the ImageView (See figure5). Now save the DetailView.xib file , close it and go back to the Xcode.

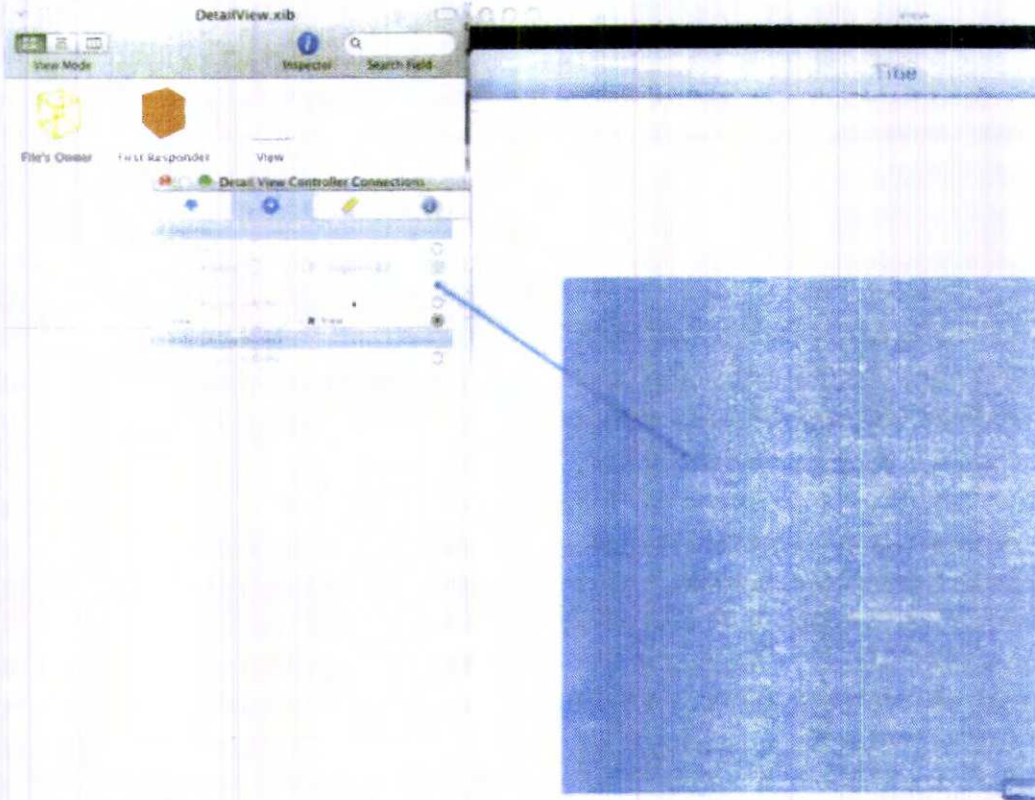(http://www.edumobile.org/wp-content/uploads/2010/04/figure3.jpg)
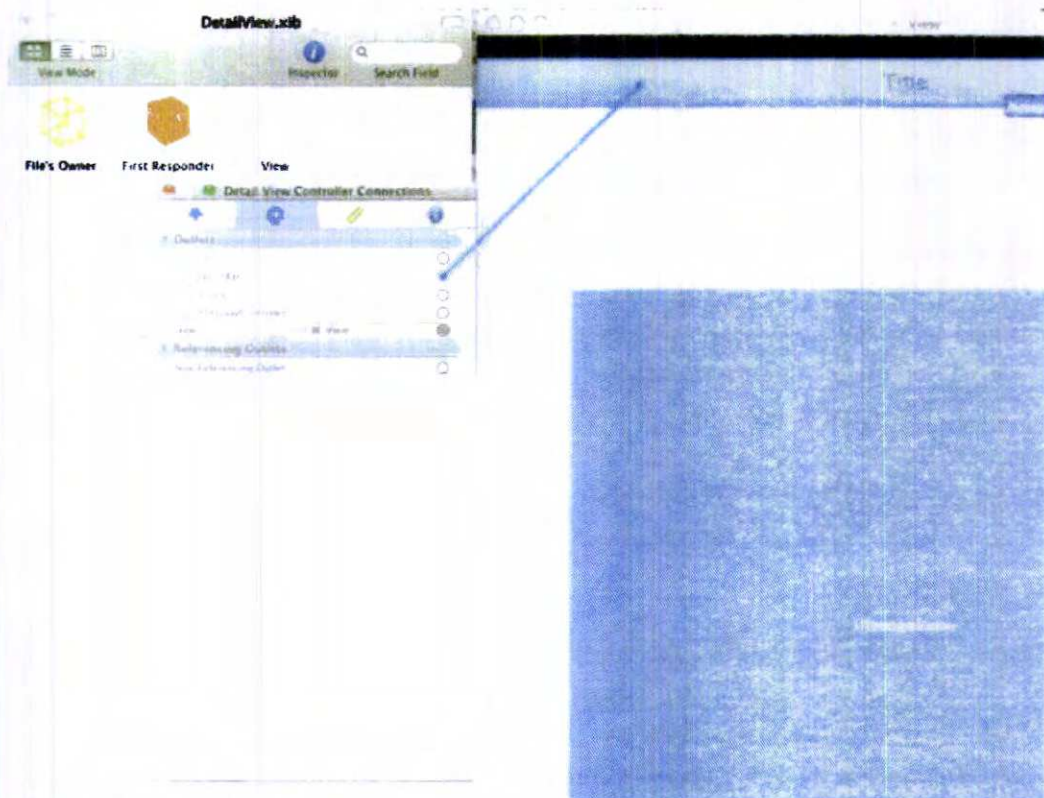
Figure 4: Connection between navigationBar to the NavigationBar

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(http://www.edumobile.org/wp-content/uploads/2010/04/figure4.jpg)

Figure 4: Connection between phoneView to the ImageView

Step 11: Open the DetailView.m file and make the following changes:

984

```
1   - (void)setDetailItem:(id)newDetailItem {
2   if (detailItem != newDetailItem) {
3   [detailItem release];
4   detailItem = [newDetailItem retain];
5
6   navigationBar.topItem.title = detailItem;
7   NSString * phoneimage = [NSString stringWithFormat:@"%@.jpg",detailItem];
8   [self.phoneView setImage:[UIImage imageNamed:phoneimage]];
9   }
10
11  if (popoverController != nil) {
12  [popoverController dismissPopoverAnimated:YES];
13  }
14  }
15
16  - (void)splitViewController: (UISplitViewController*)svc willHideViewController:(
17
18  barButtonItem.title = @"Phone List";
19  [navigationBar.topItem setLeftBarButtonItem:barButtonItem animated:YES];
20  self.popoverController = pc;
21
22  }
23
24  - (void)splitViewController: (UISplitViewController*)svc willShowViewController:(
```

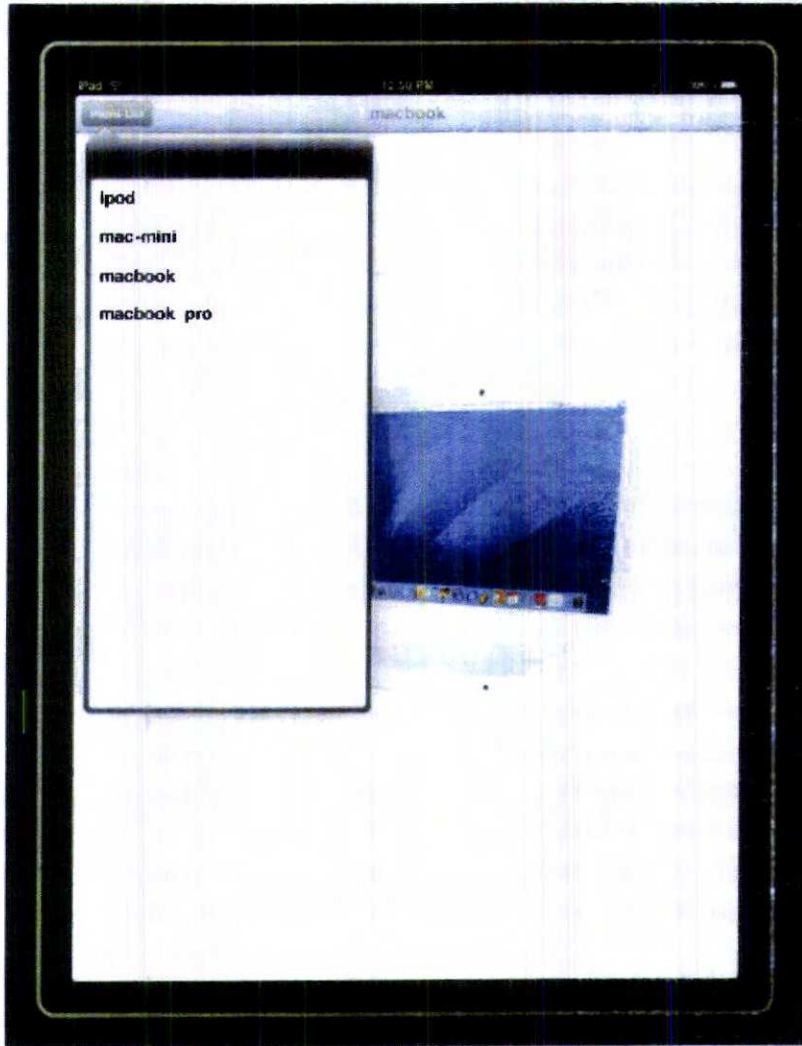COMMUNITY etLeftBarButtonItem:nil animated:YES];

EDU mobile   nil;
(http://www.edumobile.org/)

Step 12: Now compile and run the application in the Simulator.

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(http://www.edumobile.org/wp-content/uploads/2010/04/figure5.jpg)

Figure 5: In portrait mode

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(http://www.edumobile.org/wp-content/uploads/2010/04/figure6.jpg)
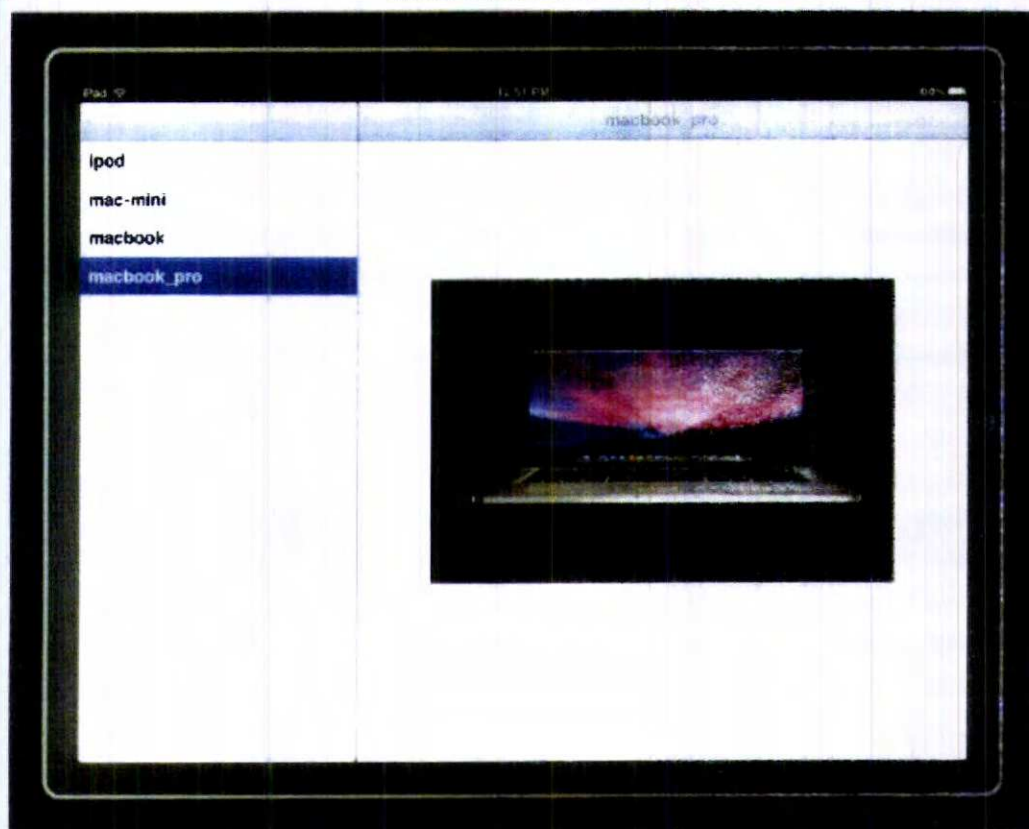
Figure 6: In landscape mode

You can **Download SourceCode** from here SplitView (http://www.edumobile.org/wp-content/uploads/2010/04/SplitView.zip)

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