
NSPageLayout Class Reference

User Experience: Text Layout



2007-04-11



Apple Inc.
© 2007 Apple Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

Apple, the Apple logo, Cocoa, Mac, and Mac OS are trademarks of Apple Inc., registered in the United States and other countries.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY

DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

NSPageLayout Class Reference 5

- Overview 5
- Tasks 5
 - Creating an NSPageLayout Instance 5
 - Running a Page Setup Dialog 6
 - Customizing the Page Setup Dialog 6
 - Accessing the NSPrintInfo Object 6
 - Deprecated Methods 6
- Class Methods 7
 - pageLayout 7
- Instance Methods 7
 - accessoryControllers 7
 - addAccessoryController: 7
 - beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo: 8
 - printInfo 9
 - removeAccessoryController: 9
 - runModal 9
 - runModalWithPrintInfo: 10

Appendix A Deprecated NSPageLayout Methods 11

- Deprecated in Mac OS X v10.5 11
 - accessoryView 11
 - readPrintInfo 11
 - setAccessoryView: 12
 - writePrintInfo 12

Document Revision History 13

Index 15

NSPageLayout Class Reference

Inherits from	NSObject
Conforms to	NSObject (NSObject)
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Printing Programming Topics for Cocoa
Declared in	NSPageLayout.h
Related sample code	From A View to A Movie From A View to A Picture GLSL Showpiece Lite GLUT Quartz Composer WWDC 2005 TextEdit

Overview

`NSPageLayout` is a panel that queries the user for information such as paper type and orientation. It is normally displayed in response to the user selecting the Page Setup menu item. You obtain an instance with the `pageLayout` (page 7) class method. The pane can then be run as a sheet using `beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:` (page 8) or modally using `runModal` (page 9) or `runModalWithPrintInfo:` (page 10).

Tasks

Creating an NSPageLayout Instance

+ `pageLayout` (page 7)
Returns a newly created `NSPageLayout` object.

Running a Page Setup Dialog

- [beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:](#) (page 8)
Presents a page setup sheet for the given `NSPrintInfo` object, document-modal relative to the given window.
- [runModal](#) (page 9)
Displays the receiver and begins the modal loop using the shared `NSPrintInfo` object.
- [runModalWithPrintInfo:](#) (page 10)
Displays the receiver and begins the modal loop using the given `NSPrintInfo` object.

Customizing the Page Setup Dialog

- [addAccessoryController:](#) (page 7)
Adds the given controller of an accessory view to be presented in the page setup panel.
- [removeAccessoryController:](#) (page 9)
Removes the given controller of an accessory view.
- [accessoryControllers](#) (page 7)
Returns an array of accessory view controllers belonging to the receiver.

Accessing the NSPrintInfo Object

- [printInfo](#) (page 9)
Returns the `NSPrintInfo` object used when the receiver is run.

Deprecated Methods

- [accessoryView](#) (page 11) **Deprecated in Mac OS X v10.5**
Returns the receiver's accessory view (used to customize the receiver). (**Deprecated.** Deprecated in Mac OS X v10.5. Use [accessoryControllers](#) (page 7) instead.)
- [readPrintInfo](#) (page 11) **Deprecated in Mac OS X v10.5**
Sets the receiver's values to those stored in the `NSPrintInfo` object used when the receiver is run. (**Deprecated.** Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)
- [setAccessoryView:](#) (page 12) **Deprecated in Mac OS X v10.5**
Adds a view object to the receiver. (**Deprecated.** Deprecated in Mac OS X v10.5. Use [addAccessoryController:](#) (page 7) instead.)
- [writePrintInfo](#) (page 12) **Deprecated in Mac OS X v10.5**
Writes the receiver's values to the `NSPrintInfo` object used when the receiver is run. (**Deprecated.** Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)

Class Methods

pageLayout

Returns a newly created `NSPageLayout` object.

```
+ (NSPageLayout *)pageLayout
```

Availability

Available in Mac OS X v10.0 and later.

Related Sample Code

From A View to A Movie

From A View to A Picture

GLSL Showpiece Lite

GLUT

Quartz Composer WWDC 2005 TextEdit

Declared In

`NSPageLayout.h`

Instance Methods

accessoryControllers

Returns an array of accessory view controllers belonging to the receiver.

```
- (NSArray *)accessoryControllers
```

Return Value

The `NSViewController` instances representing the accessory view controllers belonging to the receiver.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [addAccessoryController:](#) (page 7)

- [removeAccessoryController:](#) (page 9)

Declared In

`NSPageLayout.h`

addAccessoryController:

Adds the given controller of an accessory view to be presented in the page setup panel.

```
- (void)addAccessoryController:(NSViewController *)accessoryController
```

Parameters*accessoryController*

The controller to add.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [removeAccessoryController:](#) (page 9)
- [accessoryControllers](#) (page 7)

Declared In

NSPageLayout.h

beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:Presents a page setup sheet for the given `NSPrintInfo` object, document-modal relative to the given window.

```
- (void)beginSheetWithPrintInfo:(NSPrintInfo *)printInfo modalForWindow:(NSWindow *)docWindow delegate:(id)delegate didEndSelector:(SEL)didEndSelector contextInfo:(void *)contextInfo
```

Parameters*printInfo*The `NSPrintInfo` object to use.*docWindow*

The window to which the sheet is attached.

*delegate*The delegate to which *didEndSelector* is sent. Can be `nil`.*didEndSelector*The selector sent to the delegate. Can be `nil`.*contextInfo*Context information object passed with *didEndSelector*.**Discussion**The *didEndSelector* argument must have the same signature as:

```
- (void)pageLayoutDidEnd:(NSPageLayout *)pageLayout returnCode:(int)returnCode contextInfo:(void *)contextInfo;
```

The value passed as *returnCode* is either `NSCancelButton` or `NSOKButton`.**Availability**

Available in Mac OS X v10.0 and later.

Related Sample Code

From A View to A Movie

From A View to A Picture

GLSL Showpiece Lite

GLUT

Quartz Composer WWDC 2005 TextEdit

Declared In

NSPageLayout.h

printInfoReturns the `NSPrintInfo` object used when the receiver is run.- (`NSPrintInfo *`)`printInfo`**Discussion**The `NSPrintInfo` object is set using the[beginSheetWithPrintInfo:modalForWindow:delegate:didEndSelector:contextInfo:](#) (page 8) or [runModalWithPrintInfo:](#) (page 10) method. The shared `NSPrintInfo` object is used if the receiver is run using [runModal](#) (page 9).**Availability**

Available in Mac OS X v10.0 and later.

See Also

- [readPrintInfo](#) (page 11)
- [writePrintInfo](#) (page 12)

Declared In

NSPageLayout.h

removeAccessoryController:

Removes the given controller of an accessory view.

- (`void`)`removeAccessoryController:(NSViewController *)accessoryController`**Parameters***accessoryController*

The controller to remove.

Availability

Available in Mac OS X v10.5 and later.

See Also

- [addAccessoryController:](#) (page 7)
- [accessoryControllers](#) (page 7)

Declared In

NSPageLayout.h

runModalDisplays the receiver and begins the modal loop using the shared `NSPrintInfo` object.- (`NSInteger`)`runModal`

Return Value

NSCancelButton if the user clicks the Cancel button; otherwise, NSOKButton.

Discussion

The receiver's values are recorded in the shared NSPrintInfo object.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [runModalWithPrintInfo:](#) (page 10)

Declared In

NSPageLayout.h

runModalWithPrintInfo:

Displays the receiver and begins the modal loop using the given NSPrintInfo object.

- (NSInteger)runModalWithPrintInfo:(NSPrintInfo *)*printInfo*

Parameters

printInfo

The NSPrintInfo object to use.

Return Value

NSCancelButton if the user clicks the Cancel button; otherwise, NSOKButton.

Discussion

The receiver's values are recorded in *printInfo*.

Availability

Available in Mac OS X v10.0 and later.

See Also

- [runModal](#) (page 9)

Declared In

NSPageLayout.h

Deprecated NSPageLayout Methods

A method identified as deprecated has been superseded and may become unsupported in the future.

Deprecated in Mac OS X v10.5

accessoryView

Returns the receiver's accessory view (used to customize the receiver). (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. Use [accessoryControllers](#) (page 7) instead.)

- (NSView *)accessoryView

Availability

Available in Mac OS X v10.0 and later.

Deprecated in Mac OS X v10.5.

See Also

- [setAccessoryView:](#) (page 12)

Declared In

NSPageLayout.h

readPrintInfo

Sets the receiver's values to those stored in the `NSPrintInfo` object used when the receiver is run. (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)

- (void)readPrintInfo

Discussion

Do not invoke this method directly; it is invoked automatically before the receiver is displayed.

Availability

Available in Mac OS X v10.0 and later.

Deprecated in Mac OS X v10.5.

See Also

- [printInfo](#) (page 9)

- [writePrintInfo](#) (page 12)

- [runModal](#) (page 9)

- [runModalWithPrintInfo:](#) (page 10)

Declared In

NSPageLayout.h

setAccessoryView:

Adds a view object to the receiver. (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. Use [addAccessoryController:](#) (page 7) instead.)

```
- (void)setAccessoryView:(NSView *)aView
```

Discussion

Invoke this method to add a custom view containing your controls. *aView* is added to the receiver's Settings popup menu with your application's name as its menu item. The receiver is automatically resized to accommodate *aView*. This method can be invoked repeatedly to change the accessory view depending on the situation. If *aView* is *nil*, then the receiver's current accessory view, if any, is removed.

Availability

Available in Mac OS X v10.0 and later.

Deprecated in Mac OS X v10.5.

See Also

- [accessoryView](#) (page 11)

Declared In

NSPageLayout.h

writePrintInfo

Writes the receiver's values to the `NSPrintInfo` object used when the receiver is run. (Deprecated in Mac OS X v10.5. Deprecated in Mac OS X v10.5. This method should not be invoked directly, so there is no replacement.)

```
- (void)writePrintInfo
```

Discussion

Do not invoke this method directly; it is invoked automatically when the receiver is dismissed.

Availability

Available in Mac OS X v10.0 and later.

Deprecated in Mac OS X v10.5.

See Also

- [printInfo](#) (page 9)
- [readPrintInfo](#) (page 11)
- [runModal](#) (page 9)
- [runModalWithPrintInfo:](#) (page 10)

Declared In

NSPageLayout.h

Document Revision History

This table describes the changes to *NSPageLayout Class Reference*.

Date	Notes
2007-04-11	Documented methods added in Mac OS X v10.5. Removed descriptions of deprecated methods no longer defined in the header file.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

Document Revision History

Index

A

accessoryControllers **instance method** [7](#)
accessoryView **instance method** [11](#)
addAccessoryController: **instance method** [7](#)

B

beginSheetWithPrintInfo:modalForWindow:delegate:
didEndSelector:contextInfo: **instance method**
[8](#)

P

pageLayout **class method** [7](#)
printInfo **instance method** [9](#)

R

readPrintInfo **instance method** [11](#)
removeAccessoryController: **instance method** [9](#)
runModal **instance method** [9](#)
runModalWithPrintInfo: **instance method** [10](#)

S

setAccessoryView: **instance method** [12](#)

W

writePrintInfo **instance method** [12](#)