NSMenultem Protocol Reference

(Not Recommended)

Cocoa > User Experience



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NSMenultem Protocol Reference (Not Recommended)

Adopted by	NSMenultem
Conforms to	NSObject NSCopying NSCoding NSValidatedUserInterfaceItem
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.0 through Mac OS X v10.4.
Companion guide	Application Menu and Pop-up List Programming Topics for Cocoa
Declared in	NSMenultem.h

Overview

Important: The information in this document is obsolete and should not be used for new development.

Refer to the NSMenuItem class description, which replaces this protocol.

Warning: The NSMenuItem protocol is being removed from the Application Kit; you must use the NSMenuItem class instead. This change does not affect binary compatibility between different versions of projects, but might cause failures in project builds. To adapt your projects to this change, alter all references to the protocol (for example, id <NSMenuItem>) to references to the class (NSMenuItem *).

Tasks

Creating a Menu Item

initWithTitle:action:keyEquivalent: (page 11)
 Returns an initialized instance of an NSMenuItem.

Enabling a Menu Item

- setEnabled: (page 18)
 Sets whether the receiver is enabled.
- isEnabled (page 12)
 Returns YES if the receiver is enabled, N0 if not.

Setting the Target and Action

- setTarget: (page 24) Sets the receiver's target.
- target (page 27)
 Returns the receiver's target.
- setAction: (page 16)
 Sets the receiver's action method.
- action (page 10)
 Returns the receiver's action method.

Setting the Title

- setTitle: (page 25)
 Sets the receiver's title.
- title (page 27) Returns the receiver's title.
- setAttributedTitle: (page 17)
 Specifies a custom string for a menu item.
- attributedTitle (page 10)
 Returns the custom title string for a menu item.

Setting the Tag

- setTag: (page 24) Sets the receiver's tag.
- tag (page 27) Returns the receiver's tag.

Setting the State

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- setState: (page 23)
 Sets the state of the receiver.
- state (page 26)
 Returns the state of the receiver.

Setting the Image

- setImage: (page 18)

Sets the receiver's image.

- image (page 11)

Returns the image displayed by the receiver, or nil if it displays no image.

- setOnStateImage: (page 22)

Sets the image of the receiver that indicates an "on" state.

- onStateImage (page 15)

Returns the image used to depict the receiver's "on" state, or nil if the image has not been set.

- setOffStateImage: (page 21)

Sets the image of the receiver that indicates an "off" state.

- offStateImage (page 15)

Returns the image used to depict the receiver's "off" state, or nil if the image has not been set.

- setMixedStateImage: (page 21)

Sets the image of the receiver that indicates a "mixed" state, that is, a state neither "on" nor "off."

mixedStateImage (page 14)
 Returns the image used to depict a "mixed state."

Managing Submenus

- setSubmenu: (page 23)

Sets the submenu of the receive.

- submenu (page 26)

Returns the submenu associated with the receiving menu item, or nil if no submenu is associated with it.

hasSubmenu (page 11)
 Returns YES if the receiver has a submenu, NO if it doesn't.

Getting a Separator Item

+ separatorItem (page 9)

Returns a menu item that is used to separate logical groups of menu commands.

- isSeparatorItem (page 13)

Returns whether the receiver is a separator item (that is, a menu item used to visually segregate related menu items).

Setting the Owning Menu

- setMenu: (page 20)

Sets the receiver's menu.

- menu (page 13)

Returns the menu to which the receiver belongs, or nil if no menu has been set.

Managing Key Equivalents

+ setUsesUserKeyEquivalents: (page 9)

Sets whether menu items conform to user preferences for key equivalents.

+ usesUserKeyEquivalents (page 10)

Returns YES if menu items conform to user preferences for key equivalents; otherwise, returns NO.

- setKeyEquivalent: (page 19)

Sets the receiver's unmodified key equivalent.

- keyEquivalent (page 13)
 Returns the receiver's unmodified keyboard equivalent, or the empty string if one hasn't been defined.
- setKeyEquivalentModifierMask: (page 19)

Sets the receiver's keyboard equivalent modifiers (indicating modifiers such as the Shift or Option key) to those in *mask*.

- keyEquivalentModifierMask (page 13)

Returns the receiver's keyboard equivalent modifier mask.

Managing Mnemonics

- setMnemonicLocation: (page 21)

Sets the character of the specified menu item that is to be underlined.

- mnemonicLocation (page 14)

Returns the position of the underlined character in the menu item title used as a mnemonic.

- setTitleWithMnemonic: (page 25)

Sets the title of a menu item with a character underlined to denote an access key.

- mnemonic (page 14)

Returns the character in the menu item title that appears underlined for use as a mnemonic.

Managing User Key Equivalents

- userKeyEquivalent (page 28)

Returns the user-assigned key equivalent for the receiver.

- userKeyEquivalentModifierMask (page 28)

Returns the modifier mask for the receiver's user-assigned key equivalent.

Managing Alternates

- setAlternate: (page 16)
 Marks the receiver as an alternate to the previous menu item.
- isAlternate (page 12)
 Returns whether the receiver is an alternate to the previous menu item.

Managing Indentation Levels

- setIndentationLevel: (page 18)
 Sets the menu item indentation level for the receiver.
- indentationLevel (page 11)
 Returns the menu item indentation level for the receiver.

Managing Tool Tips

- setToolTip: (page 25)
 Sets a help tag for a menu item.
- toolTip (page 27)
 Returns the help tag for a menu item.

Representing an Object

- setRepresentedObject: (page 22)
 Sets the object represented by the receiver.
- representedObject (page 16)
 Returns the object that the receiving menu item represents.

Class Methods

separatoritem

Returns a menu item that is used to separate logical groups of menu commands.

```
+ (id <NSMenuItem>)separatorItem
```

Discussion

This menu item is disabled. The default separator item is blank space.

setUsesUserKeyEquivalents:

Sets whether menu items conform to user preferences for key equivalents.

+ (void)setUsesUserKeyEquivalents:(BOOL)flag

Parameters

flag

If YES, menu items conform to user preferences for key equivalents; if NO, the key equivalents originally assigned to the menu items are used.

See Also

+ usesUserKeyEquivalents (page 10)

- userKeyEquivalent (page 28)

usesUserKeyEquivalents

Returns YES if menu items conform to user preferences for key equivalents; otherwise, returns NO.

+ (BOOL)usesUserKeyEquivalents

See Also

- + setUsesUserKeyEquivalents: (page 9)
- userKeyEquivalent (page 28)

Instance Methods

action

Returns the receiver's action method.

- (SEL)action

Availability Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- target (page 27)

- setAction: (page 16)

Declared In

NSMenuItem.h

attributedTitle

Returns the custom title string for a menu item.

- (NSAttributedString *)attributedTitle

Availability Available in Mac OS X v10.3 and later.

See Also

- setAttributedTitle: (page 17)

- title (page 27)

Declared In NSMenuItem.h

hasSubmenu

Returns YES if the receiver has a submenu, NO if it doesn't.

- (BOOL)hasSubmenu

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also
- setSubmenu:forItem: (NSMenu)

Declared In NSMenuItem.h

image

Returns the image displayed by the receiver, or nil if it displays no image.

- (NSImage *)image

Availability Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also
- setImage: (page 18)

Declared In NSMenuItem.h

indentationLevel

Returns the menu item indentation level for the receiver.

```
- (NSInteger)indentationLevel
```

Discussion

The return value will be from 0 to 15. The default indentation level is 0.

Availability

Available in Mac OS X v10.3 and later.

See Also

- setIndentationLevel: (page 18)

Declared In

NSMenuItem.h

initWithTitle:action:keyEquivalent:

Returns an initialized instance of an NSMenuItem.

- (id)initWithTitle:(NSString *)itemName action:(SEL)anAction keyEquivalent:(NSString *)charCode

Parameters

itemName

The title of the menu item. It must not be nil (if there is no title, specify an empty NSString).

anAction

The action selector to be associated with the menu item. It must be a valid selector or NULL.

charCode

A string representing a keyboard key to be used as the key equivalent. It must not be nil (if there is no key equivalent, specify an empty NSString).

Return Value

Returns an instance of NSMenuItem or nil if the object couldn't be created.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

Declared In

NSMenuItem.h

isAlternate

Returns whether the receiver is an alternate to the previous menu item.

```
- (BOOL)isAlternate
```

Availability Available in Mac OS X v10.3 and later.

See Also - setAlternate: (page 16)

Declared In NSMenuItem.h

isEnabled

Returns YES if the receiver is enabled, NO if not.

- (BOOL)isEnabled

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setEnabled: (page 18)

Declared In

NSMenuItem.h

isSeparatorItem

Returns whether the receiver is a separator item (that is, a menu item used to visually segregate related menu items).

- (BOOL)isSeparatorItem

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

Declared In NSMenuItem.h

keyEquivalent

Returns the receiver's unmodified keyboard equivalent, or the empty string if one hasn't been defined.

- (NSString *)keyEquivalent

Discussion

Use keyEquivalentModifierMask (page 13) to determine the modifier mask for the key equivalent.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- userKeyEquivalent (page 28)
- mnemonic (page 14)
- setKeyEquivalent: (page 19)

Declared In

NSMenuItem.h

keyEquivalentModifierMask

Returns the receiver's keyboard equivalent modifier mask.

- (NSUInteger)keyEquivalentModifierMask

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

```
- setKeyEquivalentModifierMask: (page 19)
```

Declared In

NSMenuItem.h

menu

Returns the menu to which the receiver belongs, or nil if no menu has been set.

- (NSMenu *)menu

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setMenu: (page 20)

Declared In

NSMenuItem.h

mixedStateImage

Returns the image used to depict a "mixed state."

```
- (NSImage *)mixedStateImage
```

Discussion

A mixed state is useful for indicating "off" and "on" attribute values in a group of selected objects, such as a selection of text containing bold and plain (nonbolded) words.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setMixedStateImage: (page 21)

Declared In

NSMenuItem.h

mnemonic

Returns the character in the menu item title that appears underlined for use as a mnemonic.

```
- (NSString *)mnemonic
```

Discussion

If there is no mnemonic character, returns an empty string. Mnemonics are not supported in Mac OS X.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setTitleWithMnemonic: (page 25)

Declared In

NSMenuItem.h

mnemonicLocation

Returns the position of the underlined character in the menu item title used as a mnemonic.

- (NSUInteger)mnemonicLocation

Discussion

The position is the zero-based index of that character in the title string. If the receiver has no mnemonic character, returns NSNotFound. Mnemonics are not supported in Mac OS X.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

setMnemonicLocation: (page 21)

Declared In

NSMenuItem.h

offStateImage

Returns the image used to depict the receiver's "off" state, or nil if the image has not been set.

```
- (NSImage *)offStateImage
```

Discussion

By default, there is no off state image.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also - setOffStateImage: (page 21)

Declared In

NSMenuItem.h

onStateImage

Returns the image used to depict the receiver's "on" state, or nil if the image has not been set.

```
- (NSImage *)onStateImage
```

Discussion

By default, the on state image is a checkmark.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also - setOnStateImage: (page 22)

Declared In NSMenuItem.h

representedObject

Returns the object that the receiving menu item represents.

- (id)representedObject

Discussion

For example, you might have a menu list the names of views that are swapped into the same panel. The represented objects would be the appropriate NSView objects. The user would then be able to switch back and forth between the different views that are displayed by selecting the various menu items.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- tag (page 27)
- setRepresentedObject: (page 22)

Declared In

NSMenuItem.h

setAction:

Sets the receiver's action method.

```
- (void)setAction:(SEL)aSelector
```

Parameters

aSelector

A selector identifying the action method.

Discussion

See Action Messages for additional information on action messages.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setTarget: (page 24)
- action (page 10)

Declared In NSMenuItem.h

setAlternate:

Marks the receiver as an alternate to the previous menu item.

- (void)setAlternate:(BOOL) isAlternate

Parameters

isAlternate

YES if the receiver is an alternate to the previous menu item, N0 otherwise.

Discussion

If the receiver has the same key equivalent as the previous item, but has different key equivalent modifiers, the items are folded into a single visible item and the appropriate item shows while tracking the menu. The menu items may also have no key equivalent as long as the key equivalent modifiers are different.

If there are two or more items with no key equivalent but different modifiers, then the only way to get access to the alternate items is with the mouse. If you mark items as alternates but their key equivalents don't match, they might be displayed as separate items. Marking the first item as an alternate has no effect.

The *isAlternate* value is archived.

Availability

Available in Mac OS X v10.3 and later.

See Also - isAlternate (page 12)

Declared In

NSMenuItem.h

setAttributedTitle:

Specifies a custom string for a menu item.

- (void)setAttributedTitle:(NSAttributedString *)string

Parameters

string

An attributed string to use as the receiver's title.

Discussion

You can use this method to add styled text and embedded images to menu item strings. If you do not set a text color for the attributed string, it is black when not selected, white when selected, and gray when disabled. Colored text remains unchanged when selected.

When you call this method to set the menu title to an attributed string, the setTitle: (page 25) method is also called to set the menu title with a plain string. If you clear the attributed title, the plain title remains unchanged.

The attributed string is not archived in the old nib format.

Availability Available in Mac OS X v10.3 and later.

See Also - attributedTitle (page 10)

- setTitle: (page 25)

Declared In NSMenuItem.h

setEnabled:

Sets whether the receiver is enabled.

- (void)setEnabled:(BOOL)flag

Parameters

flag

YES if the receiver is to be enabled, NO otherwise.

Discussion

If a menu item is disabled, its keyboard equivalent is also disabled. See the NSMenuValidation informal protocol specification for cautions regarding this method.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- isEnabled (page 12)

Declared In

NSMenuItem.h

setImage:

Sets the receiver's image.

```
- (void)setImage:(NSImage *)menuImage
```

Parameters

menuImage

An NSImage object representing an image to be displayed in the menu item. If *menuImage* is nil, the current image (if any) is removed.

Discussion

The menu item's image is not affected by changes in its state.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also - image (page 11)

Declared In

NSMenuItem.h

setIndentationLevel:

Sets the menu item indentation level for the receiver.

```
- (void)setIndentationLevel:(NSInteger)indentationLevel
```

Parameters

indentationLevel

The value for *indentationLevel* may be from 0 to 15. If *indentationLevel* is greater than 15, the value is pinned to the maximum. If *indentationLevel* is less than 0, an exception is raised. The default indentation level is 0.

Discussion

The *indentationLevel* value is archived.

Availability

Available in Mac OS X v10.3 and later.

See Also

- indentationLevel (page 11)

Declared In

NSMenuItem.h

setKeyEquivalent:

Sets the receiver's unmodified key equivalent.

- (void)setKeyEquivalent:(NSString *)aKeyEquivalent

Parameters

```
aKeyEquivalent
```

A string containing a character code representing a keyboard key. If you want to remove the key equivalent from a menu item, pass an empty string (@"") for *aString* (never pass nil).

Discussion

Use setKeyEquivalentModifierMask: (page 19) to set the appropriate mask for the modifier keys for the key equivalent.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setMnemonicLocation: (page 21)
- keyEquivalent (page 13)

Declared In

NSMenuItem.h

setKeyEquivalentModifierMask:

Sets the receiver's keyboard equivalent modifiers (indicating modifiers such as the Shift or Option key) to those in *mask*.

- (void)setKeyEquivalentModifierMask:(NSUInteger)mask

Parameters

mask

The key masks indicate modifiers such as the Shift or Option keys. *mask* is an integer bit field containing any of these modifier key masks, combined using the C bitwise OR operator:

NSShiftKeyMask NSAlternateKeyMask NSCommandKeyMask NSControlKeyMask

You should always set NSCommandKeyMask in mask.

NSShiftKeyMask is relevant only for function keys—that is, for key events whose modifier flags include NSFunctionKeyMask. For all other key events NSShiftKeyMask is ignored, and characters typed while the Shift key is pressed are interpreted as the shifted versions of those characters; for example, Command-Shift-c is interpreted as Command-C.

Discussion

See the NSEvent class specification for more information about modifier mask values.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- keyEquivalentModifierMask (page 13)

Declared In

NSMenuItem.h

setMenu:

Sets the receiver's menu.

- (void)setMenu:(NSMenu *)aMenu

Parameters

aMenu

The menu object that "owns" the receiver.

Discussion

This method is invoked by the owning NSMenu object when the receiver is added or removed. You shouldn't have to invoke this method in your own code, although it can be overridden to provide specialized behavior.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- menu (page 13)

Declared In NSMenuItem.h

setMixedStateImage:

Sets the image of the receiver that indicates a "mixed" state, that is, a state neither "on" nor "off."

- (void)setMixedStateImage:(NSImage *)itemImage

Parameters

itemImage

The NSImage object to use for the "mixed" state of the menu item. If *itemImage* is nil, any current mixed-state image is removed.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- mixedStateImage (page 14)
- setOffStateImage: (page 21)
- setOnStateImage: (page 22)
- setState: (page 23)

Declared In

NSMenuItem.h

setMnemonicLocation:

Sets the character of the specified menu item that is to be underlined.

- (void)setMnemonicLocation:(NSUInteger)location

Parameters

location

An integer index into the character array of the title.

Discussion

This character identifies the access key by which users can access the menu item. Mnemonics are not supported in Mac OS X.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- mnemonicLocation (page 14)

Declared In

NSMenuItem.h

setOffStateImage:

Sets the image of the receiver that indicates an "off" state.

```
- (void)setOffStateImage:(NSImage *)itemImage
```

Parameters

itemImage

The NSImage object to use for the "off" state of the menu item. If *itemImage* is nil, any current off-state image is removed.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- offStateImage (page 15)
- setMixedStateImage: (page 21)
- setOffStateImage: (page 21)
- setState: (page 23)

Declared In

NSMenuItem.h

setOnStateImage:

Sets the image of the receiver that indicates an "on" state.

- (void)setOnStateImage:(NSImage *)itemImage

Parameters

```
itemImage
```

The NSImage object to use for the "on" state of the menu item. If *itemImage* is nil, any current on-state image is removed.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- onStateImage (page 15)
- setMixedStateImage: (page 21)
- setOffStateImage: (page 21)
- setState: (page 23)

Declared In

NSMenuItem.h

setRepresentedObject:

Sets the object represented by the receiver.

```
- (void)setRepresentedObject:(id)anObject
```

Parameters

anObject

The object to be represented by the receiver.

Discussion

By setting a represented object for a menu item, you make an association between the menu item and that object. The represented object functions as a more specific form of tag that allows you to associate any object, not just an arbitrary integer, with the items in a menu.

For example, an NSView object might be associated with a menu item—when the user chooses the menu item, the represented object is fetched and displayed in a panel. Several menu items might control the display of multiple views in the same panel.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setTag: (page 24)
- representedObject (page 16)

Declared In

NSMenuItem.h

setState:

Sets the state of the receiver.

```
- (void)setState:(NSInteger)itemState
```

Parameters

```
itemState
```

An integer constant representing a state; it should be one of NSOffState, NSOnState, or NSMixedState.

Discussion

The image associated with the new state is displayed to the left of the menu item.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- state (page 26)
- setMixedStateImage: (page 21)
- setOffStateImage: (page 21)
- setOnStateImage: (page 22)

Declared In

NSMenuItem.h

setSubmenu:

Sets the submenu of the receive.

```
- (void)setSubmenu:(NSMenu *)aSubmenu
```

Parameters

```
aSubmenu
```

The menu object to set as submenu.

Discussion

The default implementation raises an exception if a Submenu already has a supermenu.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- submenu (page 26)

- hasSubmenu (page 11)

Declared In

NSMenuItem.h

setTag:

Sets the receiver's tag.

- (void)setTag:(NSInteger)anInt

Parameters

anInt

An integer tag to associate with the receiver.

Availability Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setRepresentedObject: (page 22)
- tag (page 27)

Declared In NSMenuItem.h

setTarget:

Sets the receiver's target.

- (void)setTarget:(id)anObject

Parameters

```
anObject
```

An object to be the target of action messages sent by the receiver.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setAction: (page 16)
- target (page 27)

Declared In NSMenuItem.h

setTitle:

Sets the receiver's title.

- (void)setTitle:(NSString *)aString

Parameters

aString

The new title of the menu item. If you do not want a title, use an empty string, not nil.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also - title (page 27)

Declared In

NSMenuItem.h

setTitleWithMnemonic:

Sets the title of a menu item with a character underlined to denote an access key.

- (void)setTitleWithMnemonic:(NSString *)aString

Discussion

Mnemonics are not supported in Mac OS X.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- mnemonic (page 14)
- setMnemonicLocation: (page 21)

Declared In

NSMenuItem.h

setToolTip:

Sets a help tag for a menu item.

- (void)setToolTip:(NSString *)toolTip

Parameters

toolTip

A short string that describes the menu item.

Discussion

You can invoke this method for any menu item, including items in the main menu bar. This string is not archived in the old nib format.

Availability

Available in Mac OS X v10.3 and later.

See Also - toolTip (page 27)

Declared In NSMenuItem.h

state

Returns the state of the receiver.

- (NSInteger)state

Discussion

A menu-item state can be one of NSOffState (the default), NSOnState, or NSMixedState.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- setState: (page 23)

Declared In

NSMenuItem.h

submenu

Returns the submenu associated with the receiving menu item, or nil if no submenu is associated with it.

- (NSMenu *)submenu

Discussion

If the receiver responds YES to hasSubmenu (page 11), the submenu is returned.

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- hasSubmenu (page 11)
- setSubmenu: (page 23)

Declared In

NSMenuItem.h

tag

Returns the receiver's tag.

- (NSInteger)tag

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- representedObject (page 16)

- setTag: (page 24)

Declared In NSMenuItem.h

target

Returns the receiver's target.

- (id)target

Availability Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also

- action (page 10)

- setTarget: (page 24)

Declared In NSMenuItem.h

title

Returns the receiver's title.

- (NSString *)title

Availability Available in Mac OS X v10.0 through Mac OS X v10.4.

See Also - setTitle: (page 25)

Declared In NSMenuItem.h

toolTip

Returns the help tag for a menu item.

- (NSString *)toolTip

Availability Available in Mac OS X v10.3 and later.

See Also
- setToolTip: (page 25)

Declared In NSMenuItem.h

userKeyEquivalent

Returns the user-assigned key equivalent for the receiver.

- (NSString *)userKeyEquivalent

Availability Available in Mac OS X v10.0 through Mac OS X v10.4.

Declared In NSMenuItem.h

userKeyEquivalentModifierMask

Returns the modifier mask for the receiver's user-assigned key equivalent.

- (NSUInteger)userKeyEquivalentModifierMask

Availability

Available in Mac OS X v10.0 through Mac OS X v10.4.

Declared In NSMenuItem.h

Document Revision History

This table describes the changes to NSMenuItem Protocol Reference.

Date	Notes
2007-02-08	Moving to Legacy because all content is deprecated.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

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