NSInputServerMouseTracker Protocol Reference

Cocoa > Events & Other Input

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Contents

NSInputServerMouseTracker Protocol Reference 5

Overview 5
Tasks 5
  Handling Mouse Events 5
Instance Methods 6
  mouseDownOnCharacterIndex:atCoordinate:withModifier:client: 6
  mouseDraggedOnCharacterIndex:atCoordinate:withModifier:client: 6
  mouseUpOnCharacterIndex:atCoordinate:withModifier:client: 6

Document Revision History 9

Index 11

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NSInputServerMouseTracker Protocol Reference

Adopted by	NSInputServer
Framework	/System/Library/Frameworks/AppKit.framework
Availability	Available in Mac OS X v10.0 and later.
Companion guide	Text Input Management
Declared in	NSInputServer.h

Overview

An NSInputServiceProvider object (an "NSInputServer" subclass object or a delegate of an NSInputServer object) may need to implement this protocol. See the NSInputServiceProvider protocol description.

The methods in this protocol differ from typical mouse events in that they have an additional argument which is the index of the character within the text view's text storage. When an text view object forwards a mouse event to the input manager (with `handleMouseEvent:`), the input manager calls the text view's `characterIndexForPoint:` method to get the index, which it then passes on to the appropriate method in this protocol.

Tasks

Handling Mouse Events

- `mouseDownOnCharacterIndex:atCoordinate:withModifier:client:` (page 6)
  A mouse down event happened at given *`index`* within the *`sender`* text view's text storage, at the given *`point`*, with modifier keys identified in *`flags`*.
- `mouseDraggedOnCharacterIndex:atCoordinate:withModifier:client:` (page 6)
  A mouse dragged event happened at given *`index`* within the *`sender`* text view's text storage, at the given *`point`*, with modifier keys identified in *`flags`*.
- `mouseUpOnCharacterIndex:atCoordinate:withModifier:client:` (page 6)
  A mouse up event happened at given *`index`* within the *`sender`* text view's text storage, at the given *`point`*, with modifier keys identified in *`flags`*.

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Instance Methods

mouseDownOnCharacterIndex:atCoordinate:withModifier:client:

A mouse down event happened at given *index* within the *sender* text view's text storage, at the given *point*, with modifier keys identified in *flags*.

```
- (BOOL)mouseDownOnCharacterIndex:(NSUInteger)index atCoordinate:(NSPoint)point
    withModifier:(NSUInteger)flags client:(id)sender
```

Discussion
Returns `YES` if it consumes the event; in that case, a mouse dragged or a mouse up message will follow. If `NO` is returned, then neither of the other two events will follow.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- handleMouseEvent:` (NSInputManager)

Declared In
`NSInputServer.h`

mouseDraggedOnCharacterIndex:atCoordinate:withModifier:client:

A mouse dragged event happened at given *index* within the *sender* text view's text storage, at the given *point*, with modifier keys identified in *flags*.

```
- (BOOL)mouseDraggedOnCharacterIndex:(NSUInteger)index atCoordinate:(NSPoint)point
    withModifier:(NSUInteger)flags client:(id)sender
```

Discussion
Returns `YES` if it consumes the event; in that case, either another mouse dragged or a mouse up message will follow. If `NO` is returned, then neither message will follow.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- handleMouseEvent:` (NSInputManager)

Declared In
`NSInputServer.h`

mouseUpOnCharacterIndex:atCoordinate:withModifier:client:

A mouse up event happened at given *index* within the *sender* text view's text storage, at the given *point*, with modifier keys identified in *flags*.

```
- (void)mouseUpOnCharacterIndex:(NSUInteger)index atCoordinate:(NSPoint)point
    withModifier:(NSUInteger)flags client:(id)sender
```


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Discussion
This event is always consumed.

Availability
Available in Mac OS X v10.0 and later.

See Also
`- handleMouseEvent:` (NSInputManager)

Declared In
`NSInputServer.h`

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Document Revision History

This table describes the changes to *NSInputServerMouseTracker Protocol Reference*.

Date	Notes
2007-04-02	Made editorial improvements.
2006-05-23	First publication of this content as a separate document.

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Document Revision History

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Index

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`mouseDownOnCharacterIndex:atCoordinate:withModifier:client:` protocol instance method 6

`mouseDraggedOnCharacterIndex:atCoordinate:withModifier:client:` protocol instance method 6

`mouseUpOnCharacterIndex:atCoordinate:withModifier:client:` protocol instance method 6

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