| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicMenuUI.MouseInputHandler.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.ChangeHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html)    [**NO FRAMES**](http://docs.google.com/BasicMenuUI.MouseInputHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.swing.plaf.basic**

Class BasicMenuUI.MouseInputHandler

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.plaf.basic.BasicMenuUI.MouseInputHandler**

**All Implemented Interfaces:** [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html), [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html), [EventListener](http://docs.google.com/java/util/EventListener.html), [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) **Enclosing class:**[BasicMenuUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html)

protected class **BasicMenuUI.MouseInputHandler**extends [Object](http://docs.google.com/java/lang/Object.html)implements [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html)

Instantiated and used by a menu item to handle the current menu selection from mouse events. A MouseInputHandler processes and forwards all mouse events to a shared instance of the MenuSelectionManager.

This class is protected so that it can be subclassed by other look and feels to implement their own mouse handling behavior. All overridden methods should call the parent methods so that the menu selection is correct.

**Since:** 1.4 **See Also:**[MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html)

| **Constructor Summary** | |
| --- | --- |
| protected | [**BasicMenuUI.MouseInputHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#BasicMenuUI.MouseInputHandler())() |

| **Method Summary** | |
| --- | --- |
| void | [**mouseClicked**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#mouseClicked(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse button has been clicked (pressed and released) on a component. |
| void | [**mouseDragged**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#mouseDragged(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when a mouse button is pressed on the menu and then dragged. |
| void | [**mouseEntered**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#mouseEntered(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the cursor enters the menu. |
| void | [**mouseExited**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#mouseExited(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse exits a component. |
| void | [**mouseMoved**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#mouseMoved(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse cursor has been moved onto a component but no buttons have been pushed. |
| void | [**mousePressed**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#mousePressed(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse has been clicked on the menu. |
| void | [**mouseReleased**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html#mouseReleased(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse has been released on the menu. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### BasicMenuUI.MouseInputHandler

protected **BasicMenuUI.MouseInputHandler**()

| **Method Detail** |
| --- |

### mouseClicked

public void **mouseClicked**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html#mouseClicked(java.awt.event.MouseEvent)) Invoked when the mouse button has been clicked (pressed and released) on a component.

**Specified by:**[mouseClicked](http://docs.google.com/java/awt/event/MouseListener.html#mouseClicked(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)

### mousePressed

public void **mousePressed**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

Invoked when the mouse has been clicked on the menu. This method clears or sets the selection path of the MenuSelectionManager.

**Specified by:**[mousePressed](http://docs.google.com/java/awt/event/MouseListener.html#mousePressed(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **Parameters:**e - the mouse event

### mouseReleased

public void **mouseReleased**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

Invoked when the mouse has been released on the menu. Delegates the mouse event to the MenuSelectionManager.

**Specified by:**[mouseReleased](http://docs.google.com/java/awt/event/MouseListener.html#mouseReleased(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **Parameters:**e - the mouse event

### mouseEntered

public void **mouseEntered**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

Invoked when the cursor enters the menu. This method sets the selected path for the MenuSelectionManager and handles the case in which a menu item is used to pop up an additional menu, as in a hierarchical menu system.

**Specified by:**[mouseEntered](http://docs.google.com/java/awt/event/MouseListener.html#mouseEntered(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html) **Parameters:**e - the mouse event; not used

### mouseExited

public void **mouseExited**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseListener**](http://docs.google.com/java/awt/event/MouseListener.html#mouseExited(java.awt.event.MouseEvent)) Invoked when the mouse exits a component.

**Specified by:**[mouseExited](http://docs.google.com/java/awt/event/MouseListener.html#mouseExited(java.awt.event.MouseEvent)) in interface [MouseListener](http://docs.google.com/java/awt/event/MouseListener.html)

### mouseDragged

public void **mouseDragged**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

Invoked when a mouse button is pressed on the menu and then dragged. Delegates the mouse event to the MenuSelectionManager.

**Specified by:**[mouseDragged](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseDragged(java.awt.event.MouseEvent)) in interface [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html) **Parameters:**e - the mouse event**See Also:**[MouseMotionListener.mouseDragged(java.awt.event.MouseEvent)](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseDragged(java.awt.event.MouseEvent))

### mouseMoved

public void **mouseMoved**([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)

**Description copied from interface:** [**MouseMotionListener**](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseMoved(java.awt.event.MouseEvent)) Invoked when the mouse cursor has been moved onto a component but no buttons have been pushed.

**Specified by:**[mouseMoved](http://docs.google.com/java/awt/event/MouseMotionListener.html#mouseMoved(java.awt.event.MouseEvent)) in interface [MouseMotionListener](http://docs.google.com/java/awt/event/MouseMotionListener.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/BasicMenuUI.MouseInputHandler.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.ChangeHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html)    [**NO FRAMES**](http://docs.google.com/BasicMenuUI.MouseInputHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).