| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MouseListener.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/java/awt/event/MouseEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/MouseMotionAdapter.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/MouseListener.html)    [**NO FRAMES**](http://docs.google.com/MouseListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

## **java.awt.event**

Interface MouseListener

**All Superinterfaces:** [EventListener](http://docs.google.com/java/util/EventListener.html) **All Known Subinterfaces:** [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) **All Known Implementing Classes:** [AWTEventMulticaster](http://docs.google.com/java/awt/AWTEventMulticaster.html), [BasicButtonListener](http://docs.google.com/javax/swing/plaf/basic/BasicButtonListener.html), [BasicComboPopup.InvocationMouseHandler](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.InvocationMouseHandler.html), [BasicComboPopup.ListMouseHandler](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.ListMouseHandler.html), [BasicDesktopIconUI.MouseInputHandler](http://docs.google.com/javax/swing/plaf/basic/BasicDesktopIconUI.MouseInputHandler.html), [BasicFileChooserUI.DoubleClickListener](http://docs.google.com/javax/swing/plaf/basic/BasicFileChooserUI.DoubleClickListener.html), [BasicInternalFrameUI.BorderListener](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.BorderListener.html), [BasicInternalFrameUI.GlassPaneDispatcher](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.GlassPaneDispatcher.html), [BasicListUI.MouseInputHandler](http://docs.google.com/javax/swing/plaf/basic/BasicListUI.MouseInputHandler.html), [BasicMenuItemUI.MouseInputHandler](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.MouseInputHandler.html), [BasicMenuUI.MouseInputHandler](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html), [BasicScrollBarUI.ArrowButtonListener](http://docs.google.com/javax/swing/plaf/basic/BasicScrollBarUI.ArrowButtonListener.html), [BasicScrollBarUI.TrackListener](http://docs.google.com/javax/swing/plaf/basic/BasicScrollBarUI.TrackListener.html), [BasicSliderUI.TrackListener](http://docs.google.com/javax/swing/plaf/basic/BasicSliderUI.TrackListener.html), [BasicSplitPaneDivider.MouseHandler](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneDivider.MouseHandler.html), [BasicTabbedPaneUI.MouseHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.MouseHandler.html), [BasicTableHeaderUI.MouseInputHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTableHeaderUI.MouseInputHandler.html), [BasicTableUI.MouseInputHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTableUI.MouseInputHandler.html), [BasicTextUI.BasicCaret](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.BasicCaret.html), [BasicToolBarUI.DockingListener](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.DockingListener.html), [BasicTreeUI.MouseHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.MouseHandler.html), [BasicTreeUI.MouseInputHandler](http://docs.google.com/javax/swing/plaf/basic/BasicTreeUI.MouseInputHandler.html), [DefaultCaret](http://docs.google.com/javax/swing/text/DefaultCaret.html), [FormView.MouseEventListener](http://docs.google.com/javax/swing/text/html/FormView.MouseEventListener.html), [HTMLEditorKit.LinkController](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.LinkController.html), [MetalFileChooserUI.SingleClickListener](http://docs.google.com/javax/swing/plaf/metal/MetalFileChooserUI.SingleClickListener.html), [MetalToolBarUI.MetalDockingListener](http://docs.google.com/javax/swing/plaf/metal/MetalToolBarUI.MetalDockingListener.html), [MouseAdapter](http://docs.google.com/java/awt/event/MouseAdapter.html), [MouseDragGestureRecognizer](http://docs.google.com/java/awt/dnd/MouseDragGestureRecognizer.html), [MouseInputAdapter](http://docs.google.com/javax/swing/event/MouseInputAdapter.html), [ToolTipManager](http://docs.google.com/javax/swing/ToolTipManager.html)

public interface **MouseListener**extends [EventListener](http://docs.google.com/java/util/EventListener.html)

The listener interface for receiving "interesting" mouse events (press, release, click, enter, and exit) on a component. (To track mouse moves and mouse drags, use the MouseMotionListener.)

The class that is interested in processing a mouse event either implements this interface (and all the methods it contains) or extends the abstract MouseAdapter class (overriding only the methods of interest).

The listener object created from that class is then registered with a component using the component's addMouseListener method. A mouse event is generated when the mouse is pressed, released clicked (pressed and released). A mouse event is also generated when the mouse cursor enters or leaves a component. When a mouse event occurs, the relevant method in the listener object is invoked, and the MouseEvent is passed to it.

**Since:** 1.1 **See Also:**[MouseAdapter](http://docs.google.com/java/awt/event/MouseAdapter.html), [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html), [Tutorial: Writing a Mouse Listener](http://java.sun.com/docs/books/tutorial/post1.0/ui/mouselistener.html)

| **Method Summary** | |
| --- | --- |
| void | [**mouseClicked**](http://docs.google.com/java/awt/event/MouseListener.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 | [**mouseEntered**](http://docs.google.com/java/awt/event/MouseListener.html#mouseEntered(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when the mouse enters a component. |
| void | [**mouseExited**](http://docs.google.com/java/awt/event/MouseListener.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 | [**mousePressed**](http://docs.google.com/java/awt/event/MouseListener.html#mousePressed(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when a mouse button has been pressed on a component. |
| void | [**mouseReleased**](http://docs.google.com/java/awt/event/MouseListener.html#mouseReleased(java.awt.event.MouseEvent))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e)            Invoked when a mouse button has been released on a component. |

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

### mouseClicked

void **mouseClicked**([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.

### mousePressed

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

Invoked when a mouse button has been pressed on a component.

### mouseReleased

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

Invoked when a mouse button has been released on a component.

### mouseEntered

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

Invoked when the mouse enters a component.

### mouseExited

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

Invoked when the mouse exits a component.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MouseListener.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/java/awt/event/MouseEvent.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/event/MouseMotionAdapter.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/event/MouseListener.html)    [**NO FRAMES**](http://docs.google.com/MouseListener.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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.

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