| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/MenuElement.html) | **Use** | [**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*** |
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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing//class-useMenuElement.html)    [**NO FRAMES**](http://docs.google.com/MenuElement.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**javax.swing.MenuElement**

| Packages that use [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| [**javax.swing**](#3znysh7) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.event**](#2et92p0) | Provides for events fired by Swing components. |
| [**javax.swing.plaf.basic**](#tyjcwt) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.metal**](#3dy6vkm) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |

| Uses of [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that implement [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| class | [**JCheckBoxMenuItem**](http://docs.google.com/javax/swing/JCheckBoxMenuItem.html)            A menu item that can be selected or deselected. |
| class | [**JMenu**](http://docs.google.com/javax/swing/JMenu.html)            An implementation of a menu -- a popup window containing JMenuItems that is displayed when the user selects an item on the JMenuBar. |
| class | [**JMenuBar**](http://docs.google.com/javax/swing/JMenuBar.html)            An implementation of a menu bar. |
| class | [**JMenuItem**](http://docs.google.com/javax/swing/JMenuItem.html)            An implementation of an item in a menu. |
| class | [**JPopupMenu**](http://docs.google.com/javax/swing/JPopupMenu.html)            An implementation of a popup menu -- a small window that pops up and displays a series of choices. |
| class | [**JRadioButtonMenuItem**](http://docs.google.com/javax/swing/JRadioButtonMenuItem.html)            An implementation of a radio button menu item. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **MenuSelectionManager.**[**getSelectedPath**](http://docs.google.com/javax/swing/MenuSelectionManager.html#getSelectedPath())()            Returns the path to the currently selected menu item |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **JMenuItem.**[**getSubElements**](http://docs.google.com/javax/swing/JMenuItem.html#getSubElements())()            This method returns an array containing the sub-menu components for this menu component. |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **JPopupMenu.**[**getSubElements**](http://docs.google.com/javax/swing/JPopupMenu.html#getSubElements())()            Returns an array of MenuElements containing the submenu for this menu component. |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **JMenuBar.**[**getSubElements**](http://docs.google.com/javax/swing/JMenuBar.html#getSubElements())()            Implemented to be a MenuElement -- returns the menus in this menu bar. |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **JMenu.**[**getSubElements**](http://docs.google.com/javax/swing/JMenu.html#getSubElements())()            Returns an array of MenuElements containing the submenu for this menu component. |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **MenuElement.**[**getSubElements**](http://docs.google.com/javax/swing/MenuElement.html#getSubElements())()            This method should return an array containing the sub-elements for the receiving menu element |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| void | **JMenuItem.**[**processKeyEvent**](http://docs.google.com/javax/swing/JMenuItem.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Processes a key event forwarded from the MenuSelectionManager and changes the menu selection, if necessary, by using MenuSelectionManager's API. |
| void | **JPopupMenu.**[**processKeyEvent**](http://docs.google.com/javax/swing/JPopupMenu.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Processes a key event forwarded from the MenuSelectionManager and changes the menu selection, if necessary, by using MenuSelectionManager's API. |
| void | **JMenuBar.**[**processKeyEvent**](http://docs.google.com/javax/swing/JMenuBar.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Implemented to be a MenuElement -- does nothing. |
| void | **MenuElement.**[**processKeyEvent**](http://docs.google.com/javax/swing/MenuElement.html#processKeyEvent(java.awt.event.KeyEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) event, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Process a key event. |
| void | **JMenuItem.**[**processMouseEvent**](http://docs.google.com/javax/swing/JMenuItem.html#processMouseEvent(java.awt.event.MouseEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Processes a mouse event forwarded from the MenuSelectionManager and changes the menu selection, if necessary, by using the MenuSelectionManager's API. |
| void | **JPopupMenu.**[**processMouseEvent**](http://docs.google.com/javax/swing/JPopupMenu.html#processMouseEvent(java.awt.event.MouseEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) event, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            This method is required to conform to the MenuElement interface, but it not implemented. |
| void | **JMenuBar.**[**processMouseEvent**](http://docs.google.com/javax/swing/JMenuBar.html#processMouseEvent(java.awt.event.MouseEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) event, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Implemented to be a MenuElement -- does nothing. |
| void | **MenuElement.**[**processMouseEvent**](http://docs.google.com/javax/swing/MenuElement.html#processMouseEvent(java.awt.event.MouseEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) event, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager)            Processes a mouse event. |
| void | **MenuSelectionManager.**[**setSelectedPath**](http://docs.google.com/javax/swing/MenuSelectionManager.html#setSelectedPath(javax.swing.MenuElement%5B%5D))([MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path)            Changes the selection in the menu hierarchy. |

| Uses of [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
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| Methods in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) that return [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **MenuDragMouseEvent.**[**getPath**](http://docs.google.com/javax/swing/event/MenuDragMouseEvent.html#getPath())()            Returns the path to the selected menu item. |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **MenuKeyEvent.**[**getPath**](http://docs.google.com/javax/swing/event/MenuKeyEvent.html#getPath())()            Returns the path to the menu item referenced by this event. |

| Constructors in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) with parameters of type [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| [**MenuDragMouseEvent**](http://docs.google.com/javax/swing/event/MenuDragMouseEvent.html#MenuDragMouseEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20boolean,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int clickCount, boolean popupTrigger, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] p, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) m)            Constructs a MenuDragMouseEvent object. |
| [**MenuDragMouseEvent**](http://docs.google.com/javax/swing/event/MenuDragMouseEvent.html#MenuDragMouseEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20int,%20int,%20int,%20int,%20boolean,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int x, int y, int xAbs, int yAbs, int clickCount, boolean popupTrigger, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] p, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) m)            Constructs a MenuDragMouseEvent object. |
| [**MenuKeyEvent**](http://docs.google.com/javax/swing/event/MenuKeyEvent.html#MenuKeyEvent(java.awt.Component,%20int,%20long,%20int,%20int,%20char,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int keyCode, char keyChar, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] p, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) m)            Constructs a MenuKeyEvent object. |

| Uses of [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
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| Classes in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that implement [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| class | [**BasicComboPopup**](http://docs.google.com/javax/swing/plaf/basic/BasicComboPopup.html)            This is a basic implementation of the ComboPopup interface. |
| class | [**BasicInternalFrameTitlePane.SystemMenuBar**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameTitlePane.SystemMenuBar.html)            This class should be treated as a "protected" inner class. |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] | **BasicMenuItemUI.**[**getPath**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getPath())() |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| void | **BasicRadioButtonMenuItemUI.**[**processMouseEvent**](http://docs.google.com/javax/swing/plaf/basic/BasicRadioButtonMenuItemUI.html#processMouseEvent(javax.swing.JMenuItem,%20java.awt.event.MouseEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([JMenuItem](http://docs.google.com/javax/swing/JMenuItem.html) item, [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager) |
| void | **BasicCheckBoxMenuItemUI.**[**processMouseEvent**](http://docs.google.com/javax/swing/plaf/basic/BasicCheckBoxMenuItemUI.html#processMouseEvent(javax.swing.JMenuItem,%20java.awt.event.MouseEvent,%20javax.swing.MenuElement%5B%5D,%20javax.swing.MenuSelectionManager))([JMenuItem](http://docs.google.com/javax/swing/JMenuItem.html) item, [MouseEvent](http://docs.google.com/java/awt/event/MouseEvent.html) e, [MenuElement](http://docs.google.com/javax/swing/MenuElement.html)[] path, [MenuSelectionManager](http://docs.google.com/javax/swing/MenuSelectionManager.html) manager) |

| Uses of [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
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| Classes in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) that implement [MenuElement](http://docs.google.com/javax/swing/MenuElement.html) | |
| --- | --- |
| class | [**MetalComboBoxUI.MetalComboPopup**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxUI.MetalComboPopup.html)  **Deprecated.** *As of Java 2 platform v1.4.* |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/MenuElement.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing//class-useMenuElement.html)    [**NO FRAMES**](http://docs.google.com/MenuElement.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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