| | [**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.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/BasicMenuItemUI.MouseInputHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.ChangeHandler.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicMenuUI.html)    [**NO FRAMES**](http://docs.google.com/BasicMenuUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#35nkun2) | [METHOD](#44sinio) |

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

Class BasicMenuUI

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

public class **BasicMenuUI**extends [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

A default L&F implementation of MenuUI. This implementation is a "combined" view/controller.

| **Nested Class Summary** | |
| --- | --- |
| class | [**BasicMenuUI.ChangeHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.ChangeHandler.html)            As of Java 2 platform 1.4, this previously undocumented class is now obsolete. |
| protected  class | [**BasicMenuUI.MouseInputHandler**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.MouseInputHandler.html)            Instantiated and used by a menu item to handle the current menu selection from mouse events. |

| **Field Summary** | |
| --- | --- |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | [**changeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#changeListener) |
| protected  [MenuListener](http://docs.google.com/javax/swing/event/MenuListener.html) | [**menuListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#menuListener) |

| **Fields inherited from class javax.swing.plaf.basic.**[**BasicMenuItemUI**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html) |
| --- |
| [acceleratorFont](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#acceleratorFont), [acceleratorForeground](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#acceleratorForeground), [acceleratorSelectionForeground](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#acceleratorSelectionForeground), [arrowIcon](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#arrowIcon), [checkIcon](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#checkIcon), [defaultTextIconGap](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#defaultTextIconGap), [disabledForeground](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#disabledForeground), [menuDragMouseListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#menuDragMouseListener), [menuItem](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#menuItem), [menuKeyListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#menuKeyListener), [mouseInputListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#mouseInputListener), [oldBorderPainted](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#oldBorderPainted), [propertyChangeListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#propertyChangeListener), [selectionBackground](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#selectionBackground), [selectionForeground](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#selectionForeground) |

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

| **Method Summary** | |
| --- | --- |
| protected  [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) | [**createChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createChangeListener(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  [MenuDragMouseListener](http://docs.google.com/javax/swing/event/MenuDragMouseListener.html) | [**createMenuDragMouseListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createMenuDragMouseListener(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  [MenuKeyListener](http://docs.google.com/javax/swing/event/MenuKeyListener.html) | [**createMenuKeyListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createMenuKeyListener(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  [MenuListener](http://docs.google.com/javax/swing/event/MenuListener.html) | [**createMenuListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createMenuListener(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) | [**createMouseInputListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createMouseInputListener(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c) |
| protected  [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) | [**createPropertyChangeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createPropertyChangeListener(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Creates a PropertyChangeListener which will be added to the menu item. |
| static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) | [**createUI**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#createUI(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) x) |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | [**getMaximumSize**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#getMaximumSize(javax.swing.JComponent))([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)            Returns the specified component's maximum size appropriate for the look and feel. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**getPropertyPrefix**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#getPropertyPrefix())() |
| protected  void | [**installDefaults**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#installDefaults())() |
| protected  void | [**installKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#installKeyboardActions())() |
| protected  void | [**installListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#installListeners())() |
| protected  void | [**setupPostTimer**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#setupPostTimer(javax.swing.JMenu))([JMenu](http://docs.google.com/javax/swing/JMenu.html) menu) |
| protected  void | [**uninstallDefaults**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#uninstallDefaults())() |
| protected  void | [**uninstallKeyboardActions**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#uninstallKeyboardActions())() |
| protected  void | [**uninstallListeners**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.html#uninstallListeners())() |

| **Methods inherited from class javax.swing.plaf.basic.**[**BasicMenuItemUI**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html) |
| --- |
| [doClick](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#doClick(javax.swing.MenuSelectionManager)), [getMinimumSize](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getMinimumSize(javax.swing.JComponent)), [getPath](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getPath()), [getPreferredMenuItemSize](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getPreferredMenuItemSize(javax.swing.JComponent,%20javax.swing.Icon,%20javax.swing.Icon,%20int)), [getPreferredSize](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getPreferredSize(javax.swing.JComponent)), [installComponents](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#installComponents(javax.swing.JMenuItem)), [installUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#installUI(javax.swing.JComponent)), [paint](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent)), [paintBackground](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#paintBackground(java.awt.Graphics,%20javax.swing.JMenuItem,%20java.awt.Color)), [paintMenuItem](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#paintMenuItem(java.awt.Graphics,%20javax.swing.JComponent,%20javax.swing.Icon,%20javax.swing.Icon,%20java.awt.Color,%20java.awt.Color,%20int)), [paintText](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#paintText(java.awt.Graphics,%20javax.swing.JMenuItem,%20java.awt.Rectangle,%20java.lang.String)), [uninstallComponents](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#uninstallComponents(javax.swing.JMenuItem)), [uninstallUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#uninstallUI(javax.swing.JComponent)), [update](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#update(java.awt.Graphics,%20javax.swing.JComponent)) |

| **Methods inherited from class javax.swing.plaf.**[**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html) |
| --- |
| [contains](http://docs.google.com/javax/swing/plaf/ComponentUI.html#contains(javax.swing.JComponent,%20int,%20int)), [getAccessibleChild](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getAccessibleChild(javax.swing.JComponent,%20int)), [getAccessibleChildrenCount](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getAccessibleChildrenCount(javax.swing.JComponent)), [getBaseline](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getBaseline(javax.swing.JComponent,%20int,%20int)), [getBaselineResizeBehavior](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getBaselineResizeBehavior(javax.swing.JComponent)) |

| **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)) |

| **Field Detail** |
| --- |

### changeListener

protected [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) **changeListener**

### menuListener

protected [MenuListener](http://docs.google.com/javax/swing/event/MenuListener.html) **menuListener**

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

### BasicMenuUI

public **BasicMenuUI**()

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

### createUI

public static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) **createUI**([JComponent](http://docs.google.com/javax/swing/JComponent.html) x)

### installDefaults

protected void **installDefaults**()

**Overrides:**[installDefaults](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#installDefaults()) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### getPropertyPrefix

protected [String](http://docs.google.com/java/lang/String.html) **getPropertyPrefix**()

**Overrides:**[getPropertyPrefix](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getPropertyPrefix()) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### installListeners

protected void **installListeners**()

**Overrides:**[installListeners](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#installListeners()) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### installKeyboardActions

protected void **installKeyboardActions**()

**Overrides:**[installKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#installKeyboardActions()) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### uninstallKeyboardActions

protected void **uninstallKeyboardActions**()

**Overrides:**[uninstallKeyboardActions](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#uninstallKeyboardActions()) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### createMouseInputListener

protected [MouseInputListener](http://docs.google.com/javax/swing/event/MouseInputListener.html) **createMouseInputListener**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Overrides:**[createMouseInputListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#createMouseInputListener(javax.swing.JComponent)) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### createMenuListener

protected [MenuListener](http://docs.google.com/javax/swing/event/MenuListener.html) **createMenuListener**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### createChangeListener

protected [ChangeListener](http://docs.google.com/javax/swing/event/ChangeListener.html) **createChangeListener**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

### createPropertyChangeListener

protected [PropertyChangeListener](http://docs.google.com/java/beans/PropertyChangeListener.html) **createPropertyChangeListener**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Description copied from class:** [**BasicMenuItemUI**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#createPropertyChangeListener(javax.swing.JComponent)) Creates a PropertyChangeListener which will be added to the menu item. If this method returns null then it will not be added to the menu item.

**Overrides:**[createPropertyChangeListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#createPropertyChangeListener(javax.swing.JComponent)) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html) **Returns:**an instance of a PropertyChangeListener or null

### uninstallDefaults

protected void **uninstallDefaults**()

**Overrides:**[uninstallDefaults](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#uninstallDefaults()) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### uninstallListeners

protected void **uninstallListeners**()

**Overrides:**[uninstallListeners](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#uninstallListeners()) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### createMenuDragMouseListener

protected [MenuDragMouseListener](http://docs.google.com/javax/swing/event/MenuDragMouseListener.html) **createMenuDragMouseListener**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Overrides:**[createMenuDragMouseListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#createMenuDragMouseListener(javax.swing.JComponent)) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### createMenuKeyListener

protected [MenuKeyListener](http://docs.google.com/javax/swing/event/MenuKeyListener.html) **createMenuKeyListener**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Overrides:**[createMenuKeyListener](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#createMenuKeyListener(javax.swing.JComponent)) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html)

### getMaximumSize

public [Dimension](http://docs.google.com/java/awt/Dimension.html) **getMaximumSize**([JComponent](http://docs.google.com/javax/swing/JComponent.html) c)

**Description copied from class:** [**ComponentUI**](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMaximumSize(javax.swing.JComponent)) Returns the specified component's maximum size appropriate for the look and feel. If null is returned, the maximum size will be calculated by the component's layout manager instead (this is the preferred approach for any component with a specific layout manager installed). The default implementation of this method invokes getPreferredSize and returns that value.

**Overrides:**[getMaximumSize](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html#getMaximumSize(javax.swing.JComponent)) in class [BasicMenuItemUI](http://docs.google.com/javax/swing/plaf/basic/BasicMenuItemUI.html) **Parameters:**c - the component whose maximum size is being queried; this argument is often ignored, but might be used if the UI object is stateless and shared by multiple components **Returns:**a Dimension object or null**See Also:**[JComponent.getMaximumSize()](http://docs.google.com/javax/swing/JComponent.html#getMaximumSize()), [LayoutManager2.maximumLayoutSize(java.awt.Container)](http://docs.google.com/java/awt/LayoutManager2.html#maximumLayoutSize(java.awt.Container))

### setupPostTimer

protected void **setupPostTimer**([JMenu](http://docs.google.com/javax/swing/JMenu.html) menu)

| | [**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.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/BasicMenuItemUI.MouseInputHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/basic/BasicMenuUI.ChangeHandler.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/basic/BasicMenuUI.html)    [**NO FRAMES**](http://docs.google.com/BasicMenuUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#35nkun2) | [METHOD](#44sinio) |

[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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