| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MenuComponent.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/MenuBar.AccessibleAWTMenuBar.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/MenuComponent.AccessibleAWTMenuComponent.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/MenuComponent.html)    [**NO FRAMES**](http://docs.google.com/MenuComponent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **java.awt**

Class MenuComponent

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.awt.MenuComponent**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Direct Known Subclasses:** [MenuBar](http://docs.google.com/java/awt/MenuBar.html), [MenuItem](http://docs.google.com/java/awt/MenuItem.html)

public abstract class **MenuComponent**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

The abstract class MenuComponent is the superclass of all menu-related components. In this respect, the class MenuComponent is analogous to the abstract superclass Component for AWT components.

Menu components receive and process AWT events, just as components do, through the method processEvent.

**Since:** JDK1.0 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.awt.MenuComponent)

| **Nested Class Summary** | |
| --- | --- |
| protected  class | [**MenuComponent.AccessibleAWTMenuComponent**](http://docs.google.com/java/awt/MenuComponent.AccessibleAWTMenuComponent.html)            Inner class of MenuComponent used to provide default support for accessibility. |

| **Constructor Summary** | |
| --- | --- |
| [**MenuComponent**](http://docs.google.com/java/awt/MenuComponent.html#MenuComponent())()            Creates a MenuComponent. |

| **Method Summary** | |
| --- | --- |
| void | [**dispatchEvent**](http://docs.google.com/java/awt/MenuComponent.html#dispatchEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Delivers an event to this component or one of its sub components. |
| [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) | [**getAccessibleContext**](http://docs.google.com/java/awt/MenuComponent.html#getAccessibleContext())()            Gets the AccessibleContext associated with this MenuComponent. |
| [Font](http://docs.google.com/java/awt/Font.html) | [**getFont**](http://docs.google.com/java/awt/MenuComponent.html#getFont())()            Gets the font used for this menu component. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/java/awt/MenuComponent.html#getName())()            Gets the name of the menu component. |
| [MenuContainer](http://docs.google.com/java/awt/MenuContainer.html) | [**getParent**](http://docs.google.com/java/awt/MenuComponent.html#getParent())()            Returns the parent container for this menu component. |
| java.awt.peer.MenuComponentPeer | [**getPeer**](http://docs.google.com/java/awt/MenuComponent.html#getPeer())()  **Deprecated.** *As of JDK version 1.1, programs should not directly manipulate peers.* |
| protected  [Object](http://docs.google.com/java/lang/Object.html) | [**getTreeLock**](http://docs.google.com/java/awt/MenuComponent.html#getTreeLock())()            Gets this component's locking object (the object that owns the thread sychronization monitor) for AWT component-tree and layout operations. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**paramString**](http://docs.google.com/java/awt/MenuComponent.html#paramString())()            Returns a string representing the state of this MenuComponent. |
| boolean | [**postEvent**](http://docs.google.com/java/awt/MenuComponent.html#postEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) evt)  **Deprecated.** *As of JDK version 1.1, replaced by* [*dispatchEvent*](http://docs.google.com/java/awt/MenuComponent.html#dispatchEvent(java.awt.AWTEvent))*.* |
| protected  void | [**processEvent**](http://docs.google.com/java/awt/MenuComponent.html#processEvent(java.awt.AWTEvent))([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)            Processes events occurring on this menu component. |
| void | [**removeNotify**](http://docs.google.com/java/awt/MenuComponent.html#removeNotify())()            Removes the menu component's peer. |
| void | [**setFont**](http://docs.google.com/java/awt/MenuComponent.html#setFont(java.awt.Font))([Font](http://docs.google.com/java/awt/Font.html) f)            Sets the font to be used for this menu component to the specified font. |
| void | [**setName**](http://docs.google.com/java/awt/MenuComponent.html#setName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Sets the name of the component to the specified string. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/awt/MenuComponent.html#toString())()            Returns a representation of this menu component as a string. |

| **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()), [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** |
| --- |

### MenuComponent

public **MenuComponent**()  
 throws [HeadlessException](http://docs.google.com/java/awt/HeadlessException.html)

Creates a MenuComponent.

**Throws:** [HeadlessException](http://docs.google.com/java/awt/HeadlessException.html) - if GraphicsEnvironment.isHeadless returns true**See Also:**[GraphicsEnvironment.isHeadless()](http://docs.google.com/java/awt/GraphicsEnvironment.html#isHeadless())

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

### getName

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

Gets the name of the menu component.

**Returns:**the name of the menu component**Since:** JDK1.1 **See Also:**[setName(java.lang.String)](http://docs.google.com/java/awt/MenuComponent.html#setName(java.lang.String))

### setName

public void **setName**([String](http://docs.google.com/java/lang/String.html) name)

Sets the name of the component to the specified string.

**Parameters:**name - the name of the menu component**Since:** JDK1.1 **See Also:**[getName()](http://docs.google.com/java/awt/MenuComponent.html#getName())

### getParent

public [MenuContainer](http://docs.google.com/java/awt/MenuContainer.html) **getParent**()

Returns the parent container for this menu component.

**Returns:**the menu component containing this menu component, or null if this menu component is the outermost component, the menu bar itself

### getPeer

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
public java.awt.peer.MenuComponentPeer **getPeer**()

**Deprecated.** *As of JDK version 1.1, programs should not directly manipulate peers.*

### getFont

public [Font](http://docs.google.com/java/awt/Font.html) **getFont**()

Gets the font used for this menu component.

**Returns:**the font used in this menu component, if there is one; null otherwise**See Also:**[setFont(java.awt.Font)](http://docs.google.com/java/awt/MenuComponent.html#setFont(java.awt.Font))

### setFont

public void **setFont**([Font](http://docs.google.com/java/awt/Font.html) f)

Sets the font to be used for this menu component to the specified font. This font is also used by all subcomponents of this menu component, unless those subcomponents specify a different font.

Some platforms may not support setting of all font attributes of a menu component; in such cases, calling setFont will have no effect on the unsupported font attributes of this menu component. Unless subcomponents of this menu component specify a different font, this font will be used by those subcomponents if supported by the underlying platform.

**Parameters:**f - the font to be set**See Also:**[getFont()](http://docs.google.com/java/awt/MenuComponent.html#getFont()), [Font.getAttributes()](http://docs.google.com/java/awt/Font.html#getAttributes()), [TextAttribute](http://docs.google.com/java/awt/font/TextAttribute.html)

### removeNotify

public void **removeNotify**()

Removes the menu component's peer. The peer allows us to modify the appearance of the menu component without changing the functionality of the menu component.

### postEvent

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
public boolean **postEvent**([Event](http://docs.google.com/java/awt/Event.html) evt)

**Deprecated.** *As of JDK version 1.1, replaced by* [*dispatchEvent*](http://docs.google.com/java/awt/MenuComponent.html#dispatchEvent(java.awt.AWTEvent))*.*

Posts the specified event to the menu. This method is part of the Java 1.0 event system and it is maintained only for backwards compatibility. Its use is discouraged, and it may not be supported in the future.

**Parameters:**evt - the event which is to take place

### dispatchEvent

public final void **dispatchEvent**([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)

Delivers an event to this component or one of its sub components.

**Parameters:**e - the event

### processEvent

protected void **processEvent**([AWTEvent](http://docs.google.com/java/awt/AWTEvent.html) e)

Processes events occurring on this menu component.

Note that if the event parameter is null the behavior is unspecified and may result in an exception.

**Parameters:**e - the event**Since:** JDK1.1

### paramString

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

Returns a string representing the state of this MenuComponent. This method is intended to be used only for debugging purposes, and the content and format of the returned string may vary between implementations. The returned string may be empty but may not be null.

**Returns:**the parameter string of this menu component

### toString

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

Returns a representation of this menu component as a string.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of this menu component

### getTreeLock

protected final [Object](http://docs.google.com/java/lang/Object.html) **getTreeLock**()

Gets this component's locking object (the object that owns the thread sychronization monitor) for AWT component-tree and layout operations.

**Returns:**this component's locking object

### getAccessibleContext

public [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) **getAccessibleContext**()

Gets the AccessibleContext associated with this MenuComponent. The method implemented by this base class returns null. Classes that extend MenuComponent should implement this method to return the AccessibleContext associated with the subclass.

**Returns:**the AccessibleContext of this MenuComponent**Since:** 1.3

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MenuComponent.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/MenuBar.AccessibleAWTMenuBar.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/MenuComponent.AccessibleAWTMenuComponent.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/MenuComponent.html)    [**NO FRAMES**](http://docs.google.com/MenuComponent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[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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