| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MenuShortcut.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/MenuItem.AccessibleAWTMenuItem.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/MouseInfo.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/MenuShortcut.html)    [**NO FRAMES**](http://docs.google.com/MenuShortcut.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **java.awt**

Class MenuShortcut

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

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

The MenuShortcutclass represents a keyboard accelerator for a MenuItem.

Menu shortcuts are created using virtual keycodes, not characters. For example, a menu shortcut for Ctrl-a (assuming that Control is the accelerator key) would be created with code like the following:

MenuShortcut ms = new MenuShortcut(KeyEvent.VK\_A, false);

The accelerator key is platform-dependent and may be obtained via [Toolkit.getMenuShortcutKeyMask()](http://docs.google.com/java/awt/Toolkit.html#getMenuShortcutKeyMask()).

**Since:** JDK1.1 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.awt.MenuShortcut)

| **Constructor Summary** | |
| --- | --- |
| [**MenuShortcut**](http://docs.google.com/java/awt/MenuShortcut.html#MenuShortcut(int))(int key)            Constructs a new MenuShortcut for the specified virtual keycode. |
| [**MenuShortcut**](http://docs.google.com/java/awt/MenuShortcut.html#MenuShortcut(int,%20boolean))(int key, boolean useShiftModifier)            Constructs a new MenuShortcut for the specified virtual keycode. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/awt/MenuShortcut.html#equals(java.awt.MenuShortcut))([MenuShortcut](http://docs.google.com/java/awt/MenuShortcut.html) s)            Returns whether this MenuShortcut is the same as another: equality is defined to mean that both MenuShortcuts use the same key and both either use or don't use the SHIFT key. |
| boolean | [**equals**](http://docs.google.com/java/awt/MenuShortcut.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Returns whether this MenuShortcut is the same as another: equality is defined to mean that both MenuShortcuts use the same key and both either use or don't use the SHIFT key. |
| int | [**getKey**](http://docs.google.com/java/awt/MenuShortcut.html#getKey())()            Returns the raw keycode of this MenuShortcut. |
| int | [**hashCode**](http://docs.google.com/java/awt/MenuShortcut.html#hashCode())()            Returns the hashcode for this MenuShortcut. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**paramString**](http://docs.google.com/java/awt/MenuShortcut.html#paramString())()            Returns the parameter string representing the state of this MenuShortcut. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/awt/MenuShortcut.html#toString())()            Returns an internationalized description of the MenuShortcut. |
| boolean | [**usesShiftModifier**](http://docs.google.com/java/awt/MenuShortcut.html#usesShiftModifier())()            Returns whether this MenuShortcut must be invoked using the SHIFT key. |

| **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()), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [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** |
| --- |

### MenuShortcut

public **MenuShortcut**(int key)

Constructs a new MenuShortcut for the specified virtual keycode.

**Parameters:**key - the raw keycode for this MenuShortcut, as would be returned in the keyCode field of a [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) if this key were pressed.**See Also:**[KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html)

### MenuShortcut

public **MenuShortcut**(int key,  
 boolean useShiftModifier)

Constructs a new MenuShortcut for the specified virtual keycode.

**Parameters:**key - the raw keycode for this MenuShortcut, as would be returned in the keyCode field of a [KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html) if this key were pressed.useShiftModifier - indicates whether this MenuShortcut is invoked with the SHIFT key down.**See Also:**[KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html)

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

### getKey

public int **getKey**()

Returns the raw keycode of this MenuShortcut.

**Returns:**the raw keycode of this MenuShortcut.**Since:** JDK1.1 **See Also:**[KeyEvent](http://docs.google.com/java/awt/event/KeyEvent.html)

### usesShiftModifier

public boolean **usesShiftModifier**()

Returns whether this MenuShortcut must be invoked using the SHIFT key.

**Returns:**true if this MenuShortcut must be invoked using the SHIFT key, false otherwise.**Since:** JDK1.1

### equals

public boolean **equals**([MenuShortcut](http://docs.google.com/java/awt/MenuShortcut.html) s)

Returns whether this MenuShortcut is the same as another: equality is defined to mean that both MenuShortcuts use the same key and both either use or don't use the SHIFT key.

**Parameters:**s - the MenuShortcut to compare with this. **Returns:**true if this MenuShortcut is the same as another, false otherwise.**Since:** JDK1.1

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) obj)

Returns whether this MenuShortcut is the same as another: equality is defined to mean that both MenuShortcuts use the same key and both either use or don't use the SHIFT key.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the Object to compare with this. **Returns:**true if this MenuShortcut is the same as another, false otherwise.**Since:** 1.2 **See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Returns the hashcode for this MenuShortcut.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the hashcode for this MenuShortcut.**Since:** 1.2 **See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### toString

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

Returns an internationalized description of the MenuShortcut.

**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 MenuShortcut.**Since:** JDK1.1

### paramString

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

Returns the parameter string representing the state of this MenuShortcut. This string is useful for debugging.

**Returns:**the parameter string of this MenuShortcut.**Since:** JDK1.1

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MenuShortcut.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*** |
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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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