| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PopupMenu.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/Polygon.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/PopupMenu.AccessibleAWTPopupMenu.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/PopupMenu.html)    [**NO FRAMES**](http://docs.google.com/PopupMenu.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | FIELD | [CONSTR](#1t3h5sf) | [METHOD](#4d34og8) | DETAIL: FIELD | [CONSTR](#35nkun2) | [METHOD](#2jxsxqh) |

## **java.awt**

Class PopupMenu

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

**All Implemented Interfaces:** [MenuContainer](http://docs.google.com/java/awt/MenuContainer.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [Accessible](http://docs.google.com/javax/accessibility/Accessible.html)

public class **PopupMenu**extends [Menu](http://docs.google.com/java/awt/Menu.html)

A class that implements a menu which can be dynamically popped up at a specified position within a component.

As the inheritance hierarchy implies, a PopupMenu can be used anywhere a Menu can be used. However, if you use a PopupMenu like a Menu (e.g., you add it to a MenuBar), then you **cannot** call show on that PopupMenu.

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

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

| **Nested classes/interfaces inherited from class java.awt.**[**Menu**](http://docs.google.com/java/awt/Menu.html) |
| --- |
| [Menu.AccessibleAWTMenu](http://docs.google.com/java/awt/Menu.AccessibleAWTMenu.html) |

| **Nested classes/interfaces inherited from class java.awt.**[**MenuItem**](http://docs.google.com/java/awt/MenuItem.html) |
| --- |
| [MenuItem.AccessibleAWTMenuItem](http://docs.google.com/java/awt/MenuItem.AccessibleAWTMenuItem.html) |

| **Nested classes/interfaces inherited from class java.awt.**[**MenuComponent**](http://docs.google.com/java/awt/MenuComponent.html) |
| --- |
| [MenuComponent.AccessibleAWTMenuComponent](http://docs.google.com/java/awt/MenuComponent.AccessibleAWTMenuComponent.html) |

| **Constructor Summary** | |
| --- | --- |
| [**PopupMenu**](http://docs.google.com/java/awt/PopupMenu.html#PopupMenu())()            Creates a new popup menu with an empty name. |
| [**PopupMenu**](http://docs.google.com/java/awt/PopupMenu.html#PopupMenu(java.lang.String))([String](http://docs.google.com/java/lang/String.html) label)            Creates a new popup menu with the specified name. |

| **Method Summary** | |
| --- | --- |
| void | [**addNotify**](http://docs.google.com/java/awt/PopupMenu.html#addNotify())()            Creates the popup menu's peer. |
| [AccessibleContext](http://docs.google.com/javax/accessibility/AccessibleContext.html) | [**getAccessibleContext**](http://docs.google.com/java/awt/PopupMenu.html#getAccessibleContext())()            Gets the AccessibleContext associated with this PopupMenu. |
| [MenuContainer](http://docs.google.com/java/awt/MenuContainer.html) | [**getParent**](http://docs.google.com/java/awt/PopupMenu.html#getParent())()            Returns the parent container for this menu component. |
| void | [**show**](http://docs.google.com/java/awt/PopupMenu.html#show(java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) origin, int x, int y)            Shows the popup menu at the x, y position relative to an origin component. |

| **Methods inherited from class java.awt.**[**Menu**](http://docs.google.com/java/awt/Menu.html) |
| --- |
| [add](http://docs.google.com/java/awt/Menu.html#add(java.awt.MenuItem)), [add](http://docs.google.com/java/awt/Menu.html#add(java.lang.String)), [addSeparator](http://docs.google.com/java/awt/Menu.html#addSeparator()), [countItems](http://docs.google.com/java/awt/Menu.html#countItems()), [getItem](http://docs.google.com/java/awt/Menu.html#getItem(int)), [getItemCount](http://docs.google.com/java/awt/Menu.html#getItemCount()), [insert](http://docs.google.com/java/awt/Menu.html#insert(java.awt.MenuItem,%20int)), [insert](http://docs.google.com/java/awt/Menu.html#insert(java.lang.String,%20int)), [insertSeparator](http://docs.google.com/java/awt/Menu.html#insertSeparator(int)), [isTearOff](http://docs.google.com/java/awt/Menu.html#isTearOff()), [paramString](http://docs.google.com/java/awt/Menu.html#paramString()), [remove](http://docs.google.com/java/awt/Menu.html#remove(int)), [remove](http://docs.google.com/java/awt/Menu.html#remove(java.awt.MenuComponent)), [removeAll](http://docs.google.com/java/awt/Menu.html#removeAll()), [removeNotify](http://docs.google.com/java/awt/Menu.html#removeNotify()) |

| **Methods inherited from class java.awt.**[**MenuItem**](http://docs.google.com/java/awt/MenuItem.html) |
| --- |
| [addActionListener](http://docs.google.com/java/awt/MenuItem.html#addActionListener(java.awt.event.ActionListener)), [deleteShortcut](http://docs.google.com/java/awt/MenuItem.html#deleteShortcut()), [disable](http://docs.google.com/java/awt/MenuItem.html#disable()), [disableEvents](http://docs.google.com/java/awt/MenuItem.html#disableEvents(long)), [enable](http://docs.google.com/java/awt/MenuItem.html#enable()), [enable](http://docs.google.com/java/awt/MenuItem.html#enable(boolean)), [enableEvents](http://docs.google.com/java/awt/MenuItem.html#enableEvents(long)), [getActionCommand](http://docs.google.com/java/awt/MenuItem.html#getActionCommand()), [getActionListeners](http://docs.google.com/java/awt/MenuItem.html#getActionListeners()), [getLabel](http://docs.google.com/java/awt/MenuItem.html#getLabel()), [getListeners](http://docs.google.com/java/awt/MenuItem.html#getListeners(java.lang.Class)), [getShortcut](http://docs.google.com/java/awt/MenuItem.html#getShortcut()), [isEnabled](http://docs.google.com/java/awt/MenuItem.html#isEnabled()), [processActionEvent](http://docs.google.com/java/awt/MenuItem.html#processActionEvent(java.awt.event.ActionEvent)), [processEvent](http://docs.google.com/java/awt/MenuItem.html#processEvent(java.awt.AWTEvent)), [removeActionListener](http://docs.google.com/java/awt/MenuItem.html#removeActionListener(java.awt.event.ActionListener)), [setActionCommand](http://docs.google.com/java/awt/MenuItem.html#setActionCommand(java.lang.String)), [setEnabled](http://docs.google.com/java/awt/MenuItem.html#setEnabled(boolean)), [setLabel](http://docs.google.com/java/awt/MenuItem.html#setLabel(java.lang.String)), [setShortcut](http://docs.google.com/java/awt/MenuItem.html#setShortcut(java.awt.MenuShortcut)) |

| **Methods inherited from class java.awt.**[**MenuComponent**](http://docs.google.com/java/awt/MenuComponent.html) |
| --- |
| [dispatchEvent](http://docs.google.com/java/awt/MenuComponent.html#dispatchEvent(java.awt.AWTEvent)), [getFont](http://docs.google.com/java/awt/MenuComponent.html#getFont()), [getName](http://docs.google.com/java/awt/MenuComponent.html#getName()), [getPeer](http://docs.google.com/java/awt/MenuComponent.html#getPeer()), [getTreeLock](http://docs.google.com/java/awt/MenuComponent.html#getTreeLock()), [postEvent](http://docs.google.com/java/awt/MenuComponent.html#postEvent(java.awt.Event)), [setFont](http://docs.google.com/java/awt/MenuComponent.html#setFont(java.awt.Font)), [setName](http://docs.google.com/java/awt/MenuComponent.html#setName(java.lang.String)), [toString](http://docs.google.com/java/awt/MenuComponent.html#toString()) |

| **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)) |

| **Methods inherited from interface java.awt.**[**MenuContainer**](http://docs.google.com/java/awt/MenuContainer.html) |
| --- |
| [getFont](http://docs.google.com/java/awt/MenuContainer.html#getFont()), [postEvent](http://docs.google.com/java/awt/MenuContainer.html#postEvent(java.awt.Event)) |

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

### PopupMenu

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

Creates a new popup menu with an empty name.

**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())

### PopupMenu

public **PopupMenu**([String](http://docs.google.com/java/lang/String.html) label)  
 throws [HeadlessException](http://docs.google.com/java/awt/HeadlessException.html)

Creates a new popup menu with the specified name.

**Parameters:**label - a non-null string specifying the popup menu's label **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** |
| --- |

### getParent

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

Returns the parent container for this menu component.

**Overrides:**[getParent](http://docs.google.com/java/awt/MenuComponent.html#getParent()) in class [MenuComponent](http://docs.google.com/java/awt/MenuComponent.html) **Returns:**the menu component containing this menu component, or null if this menu component is the outermost component, the menu bar itself

### addNotify

public void **addNotify**()

Creates the popup menu's peer. The peer allows us to change the appearance of the popup menu without changing any of the popup menu's functionality.

**Overrides:**[addNotify](http://docs.google.com/java/awt/Menu.html#addNotify()) in class [Menu](http://docs.google.com/java/awt/Menu.html)

### show

public void **show**([Component](http://docs.google.com/java/awt/Component.html) origin,  
 int x,  
 int y)

Shows the popup menu at the x, y position relative to an origin component. The origin component must be contained within the component hierarchy of the popup menu's parent. Both the origin and the parent must be showing on the screen for this method to be valid.

If this PopupMenu is being used as a Menu (i.e., it has a non-Component parent), then you cannot call this method on the PopupMenu.

**Parameters:**origin - the component which defines the coordinate spacex - the x coordinate position to popup the menuy - the y coordinate position to popup the menu **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the parent is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if this PopupMenu has a non-Component parent [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the origin is not in the parent's heirarchy [RuntimeException](http://docs.google.com/java/lang/RuntimeException.html) - if the parent is not showing on screen

### getAccessibleContext

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

Gets the AccessibleContext associated with this PopupMenu.

**Specified by:**[getAccessibleContext](http://docs.google.com/javax/accessibility/Accessible.html#getAccessibleContext()) in interface [Accessible](http://docs.google.com/javax/accessibility/Accessible.html)**Overrides:**[getAccessibleContext](http://docs.google.com/java/awt/Menu.html#getAccessibleContext()) in class [Menu](http://docs.google.com/java/awt/Menu.html) **Returns:**the AccessibleContext of this PopupMenu**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/PopupMenu.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/Polygon.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/PopupMenu.AccessibleAWTPopupMenu.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/PopupMenu.html)    [**NO FRAMES**](http://docs.google.com/PopupMenu.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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