| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ListUI.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/LabelUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/MenuBarUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/ListUI.html)    [**NO FRAMES**](http://docs.google.com/ListUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **javax.swing.plaf**

Class ListUI

[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.ListUI**

**Direct Known Subclasses:** [BasicListUI](http://docs.google.com/javax/swing/plaf/basic/BasicListUI.html), [MultiListUI](http://docs.google.com/javax/swing/plaf/multi/MultiListUI.html)

public abstract class **ListUI**extends [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)

The JList pluggable look and feel delegate.

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

| **Method Summary** | |
| --- | --- |
| abstract  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | [**getCellBounds**](http://docs.google.com/javax/swing/plaf/ListUI.html#getCellBounds(javax.swing.JList,%20int,%20int))([JList](http://docs.google.com/javax/swing/JList.html) list, int index1, int index2)            Returns the bounding rectangle, in the given list's coordinate system, for the range of cells specified by the two indices. |
| abstract  [Point](http://docs.google.com/java/awt/Point.html) | [**indexToLocation**](http://docs.google.com/javax/swing/plaf/ListUI.html#indexToLocation(javax.swing.JList,%20int))([JList](http://docs.google.com/javax/swing/JList.html) list, int index)            Returns the origin in the given JList, of the specified item, in the list's coordinate system. |
| abstract  int | [**locationToIndex**](http://docs.google.com/javax/swing/plaf/ListUI.html#locationToIndex(javax.swing.JList,%20java.awt.Point))([JList](http://docs.google.com/javax/swing/JList.html) list, [Point](http://docs.google.com/java/awt/Point.html) location)            Returns the cell index in the specified JList closest to the given location in the list's coordinate system. |

| **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)), [createUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#createUI(javax.swing.JComponent)), [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)), [getMaximumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMaximumSize(javax.swing.JComponent)), [getMinimumSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getMinimumSize(javax.swing.JComponent)), [getPreferredSize](http://docs.google.com/javax/swing/plaf/ComponentUI.html#getPreferredSize(javax.swing.JComponent)), [installUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#installUI(javax.swing.JComponent)), [paint](http://docs.google.com/javax/swing/plaf/ComponentUI.html#paint(java.awt.Graphics,%20javax.swing.JComponent)), [uninstallUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html#uninstallUI(javax.swing.JComponent)), [update](http://docs.google.com/javax/swing/plaf/ComponentUI.html#update(java.awt.Graphics,%20javax.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)) |

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

### ListUI

public **ListUI**()

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

### locationToIndex

public abstract int **locationToIndex**([JList](http://docs.google.com/javax/swing/JList.html) list,  
 [Point](http://docs.google.com/java/awt/Point.html) location)

Returns the cell index in the specified JList closest to the given location in the list's coordinate system. To determine if the cell actually contains the specified location, compare the point against the cell's bounds, as provided by getCellBounds. This method returns -1 if the list's model is empty.

**Parameters:**list - the listlocation - the coordinates of the point **Returns:**the cell index closest to the given location, or -1 **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if location is null

### indexToLocation

public abstract [Point](http://docs.google.com/java/awt/Point.html) **indexToLocation**([JList](http://docs.google.com/javax/swing/JList.html) list,  
 int index)

Returns the origin in the given JList, of the specified item, in the list's coordinate system. Returns null if the index isn't valid.

**Parameters:**list - the listindex - the cell index **Returns:**the origin of the cell, or null

### getCellBounds

public abstract [Rectangle](http://docs.google.com/java/awt/Rectangle.html) **getCellBounds**([JList](http://docs.google.com/javax/swing/JList.html) list,  
 int index1,  
 int index2)

Returns the bounding rectangle, in the given list's coordinate system, for the range of cells specified by the two indices. The indices can be supplied in any order.

If the smaller index is outside the list's range of cells, this method returns null. If the smaller index is valid, but the larger index is outside the list's range, the bounds of just the first index is returned. Otherwise, the bounds of the valid range is returned.

**Parameters:**list - the listindex1 - the first index in the rangeindex2 - the second index in the range **Returns:**the bounding rectangle for the range of cells, or null

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ListUI.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/LabelUI.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/MenuBarUI.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/ListUI.html)    [**NO FRAMES**](http://docs.google.com/ListUI.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

[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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