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

## **javax.swing**

Interface ListModel

**All Known Subinterfaces:** [ComboBoxModel](http://docs.google.com/javax/swing/ComboBoxModel.html), [MutableComboBoxModel](http://docs.google.com/javax/swing/MutableComboBoxModel.html) **All Known Implementing Classes:** [AbstractListModel](http://docs.google.com/javax/swing/AbstractListModel.html), [BasicDirectoryModel](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html), [DefaultComboBoxModel](http://docs.google.com/javax/swing/DefaultComboBoxModel.html), [DefaultListModel](http://docs.google.com/javax/swing/DefaultListModel.html), [MetalFileChooserUI.DirectoryComboBoxModel](http://docs.google.com/javax/swing/plaf/metal/MetalFileChooserUI.DirectoryComboBoxModel.html), [MetalFileChooserUI.FilterComboBoxModel](http://docs.google.com/javax/swing/plaf/metal/MetalFileChooserUI.FilterComboBoxModel.html)

public interface **ListModel**

This interface defines the methods components like JList use to get the value of each cell in a list and the length of the list. Logically the model is a vector, indices vary from 0 to ListDataModel.getSize() - 1. Any change to the contents or length of the data model must be reported to all of the ListDataListeners.

**See Also:**[JList](http://docs.google.com/javax/swing/JList.html)

| **Method Summary** | |
| --- | --- |
| void | [**addListDataListener**](http://docs.google.com/javax/swing/ListModel.html#addListDataListener(javax.swing.event.ListDataListener))([ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) l)            Adds a listener to the list that's notified each time a change to the data model occurs. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getElementAt**](http://docs.google.com/javax/swing/ListModel.html#getElementAt(int))(int index)            Returns the value at the specified index. |
| int | [**getSize**](http://docs.google.com/javax/swing/ListModel.html#getSize())()            Returns the length of the list. |
| void | [**removeListDataListener**](http://docs.google.com/javax/swing/ListModel.html#removeListDataListener(javax.swing.event.ListDataListener))([ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) l)            Removes a listener from the list that's notified each time a change to the data model occurs. |

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

### getSize

int **getSize**()

Returns the length of the list.

**Returns:**the length of the list

### getElementAt

[Object](http://docs.google.com/java/lang/Object.html) **getElementAt**(int index)

Returns the value at the specified index.

**Parameters:**index - the requested index **Returns:**the value at index

### addListDataListener

void **addListDataListener**([ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) l)

Adds a listener to the list that's notified each time a change to the data model occurs.

**Parameters:**l - the ListDataListener to be added

### removeListDataListener

void **removeListDataListener**([ListDataListener](http://docs.google.com/javax/swing/event/ListDataListener.html) l)

Removes a listener from the list that's notified each time a change to the data model occurs.

**Parameters:**l - the ListDataListener to be removed

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ListModel.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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| SUMMARY: NESTED | FIELD | CONSTR | [METHOD](#3znysh7) | DETAIL: FIELD | CONSTR | [METHOD](#2et92p0) |

[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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