| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SpinnerListModel.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/SpinnerDateModel.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/SpinnerModel.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/SpinnerListModel.html)    [**NO FRAMES**](http://docs.google.com/SpinnerListModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#lnxbz9) |

## **javax.swing**

Class SpinnerListModel

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.AbstractSpinnerModel](http://docs.google.com/javax/swing/AbstractSpinnerModel.html)  
 **javax.swing.SpinnerListModel**

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

public class **SpinnerListModel**extends [AbstractSpinnerModel](http://docs.google.com/javax/swing/AbstractSpinnerModel.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

A simple implementation of SpinnerModel whose values are defined by an array or a List. For example to create a model defined by an array of the names of the days of the week:

String[] days = new DateFormatSymbols().getWeekdays();  
 SpinnerModel model = new SpinnerListModel(Arrays.asList(days).subList(1, 8));

This class only stores a reference to the array or List so if an element of the underlying sequence changes, it's up to the application to notify the ChangeListeners by calling fireStateChanged.

This model inherits a ChangeListener. The ChangeListeners are notified whenever the model's value or list properties changes.

**Since:** 1.4 **See Also:**[JSpinner](http://docs.google.com/javax/swing/JSpinner.html), [SpinnerModel](http://docs.google.com/javax/swing/SpinnerModel.html), [AbstractSpinnerModel](http://docs.google.com/javax/swing/AbstractSpinnerModel.html), [SpinnerNumberModel](http://docs.google.com/javax/swing/SpinnerNumberModel.html), [SpinnerDateModel](http://docs.google.com/javax/swing/SpinnerDateModel.html)

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class javax.swing.**[**AbstractSpinnerModel**](http://docs.google.com/javax/swing/AbstractSpinnerModel.html) |
| --- |
| [listenerList](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#listenerList) |

| **Constructor Summary** | |
| --- | --- |
| [**SpinnerListModel**](http://docs.google.com/javax/swing/SpinnerListModel.html#SpinnerListModel())()            Constructs an effectively empty SpinnerListModel. |
| [**SpinnerListModel**](http://docs.google.com/javax/swing/SpinnerListModel.html#SpinnerListModel(java.util.List))([List](http://docs.google.com/java/util/List.html)<?> values)            Constructs a SpinnerModel whose sequence of values is defined by the specified List. |
| [**SpinnerListModel**](http://docs.google.com/javax/swing/SpinnerListModel.html#SpinnerListModel(java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html)[] values)            Constructs a SpinnerModel whose sequence of values is defined by the specified array. |

| **Method Summary** | |
| --- | --- |
| [List](http://docs.google.com/java/util/List.html)<?> | [**getList**](http://docs.google.com/javax/swing/SpinnerListModel.html#getList())()            Returns the List that defines the sequence for this model. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getNextValue**](http://docs.google.com/javax/swing/SpinnerListModel.html#getNextValue())()            Returns the next legal value of the underlying sequence or null if value is already the last element. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getPreviousValue**](http://docs.google.com/javax/swing/SpinnerListModel.html#getPreviousValue())()            Returns the previous element of the underlying sequence or null if value is already the first element. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getValue**](http://docs.google.com/javax/swing/SpinnerListModel.html#getValue())()            Returns the current element of the sequence. |
| void | [**setList**](http://docs.google.com/javax/swing/SpinnerListModel.html#setList(java.util.List))([List](http://docs.google.com/java/util/List.html)<?> list)            Changes the list that defines this sequence and resets the index of the models value to zero. |
| void | [**setValue**](http://docs.google.com/javax/swing/SpinnerListModel.html#setValue(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) elt)            Changes the current element of the sequence and notifies ChangeListeners. |

| **Methods inherited from class javax.swing.**[**AbstractSpinnerModel**](http://docs.google.com/javax/swing/AbstractSpinnerModel.html) |
| --- |
| [addChangeListener](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#addChangeListener(javax.swing.event.ChangeListener)), [fireStateChanged](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#fireStateChanged()), [getChangeListeners](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#getChangeListeners()), [getListeners](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#getListeners(java.lang.Class)), [removeChangeListener](http://docs.google.com/javax/swing/AbstractSpinnerModel.html#removeChangeListener(javax.swing.event.ChangeListener)) |

| **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** |
| --- |

### SpinnerListModel

public **SpinnerListModel**([List](http://docs.google.com/java/util/List.html)<?> values)

Constructs a SpinnerModel whose sequence of values is defined by the specified List. The initial value (*current element*) of the model will be values.get(0). If values is null or has zero size, an IllegalArugmentException is thrown.

**Parameters:**values - the sequence this model represents **Throws:** IllegalArugmentException - if values is null or zero size

### SpinnerListModel

public **SpinnerListModel**([Object](http://docs.google.com/java/lang/Object.html)[] values)

Constructs a SpinnerModel whose sequence of values is defined by the specified array. The initial value of the model will be values[0]. If values is null or has zero length, an IllegalArugmentException is thrown.

**Parameters:**values - the sequence this model represents **Throws:** IllegalArugmentException - if values is null or zero length

### SpinnerListModel

public **SpinnerListModel**()

Constructs an effectively empty SpinnerListModel. The model's list will contain a single "empty" string element.

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

### getList

public [List](http://docs.google.com/java/util/List.html)<?> **getList**()

Returns the List that defines the sequence for this model.

**Returns:**the value of the list property**See Also:**[setList(java.util.List)](http://docs.google.com/javax/swing/SpinnerListModel.html#setList(java.util.List))

### setList

public void **setList**([List](http://docs.google.com/java/util/List.html)<?> list)

Changes the list that defines this sequence and resets the index of the models value to zero. Note that list is not copied, the model just stores a reference to it.

This method fires a ChangeEvent if list is not equal to the current list.

**Parameters:**list - the sequence that this model represents **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if list is null or zero length**See Also:**[getList()](http://docs.google.com/javax/swing/SpinnerListModel.html#getList())

### getValue

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

Returns the current element of the sequence.

**Specified by:**[getValue](http://docs.google.com/javax/swing/SpinnerModel.html#getValue()) in interface [SpinnerModel](http://docs.google.com/javax/swing/SpinnerModel.html) **Returns:**the value property**See Also:**[SpinnerModel.getValue()](http://docs.google.com/javax/swing/SpinnerModel.html#getValue()), [setValue(java.lang.Object)](http://docs.google.com/javax/swing/SpinnerListModel.html#setValue(java.lang.Object))

### setValue

public void **setValue**([Object](http://docs.google.com/java/lang/Object.html) elt)

Changes the current element of the sequence and notifies ChangeListeners. If the specified value is not equal to an element of the underlying sequence then an IllegalArgumentException is thrown. In the following example the setValue call would cause an exception to be thrown:

String[] values = {"one", "two", "free", "four"};  
 SpinnerModel model = new SpinnerListModel(values);  
 model.setValue("TWO");

**Specified by:**[setValue](http://docs.google.com/javax/swing/SpinnerModel.html#setValue(java.lang.Object)) in interface [SpinnerModel](http://docs.google.com/javax/swing/SpinnerModel.html) **Parameters:**elt - the sequence element that will be model's current value **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the specified value isn't allowed**See Also:**[SpinnerModel.setValue(java.lang.Object)](http://docs.google.com/javax/swing/SpinnerModel.html#setValue(java.lang.Object)), [getValue()](http://docs.google.com/javax/swing/SpinnerListModel.html#getValue())

### getNextValue

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

Returns the next legal value of the underlying sequence or null if value is already the last element.

**Specified by:**[getNextValue](http://docs.google.com/javax/swing/SpinnerModel.html#getNextValue()) in interface [SpinnerModel](http://docs.google.com/javax/swing/SpinnerModel.html) **Returns:**the next legal value of the underlying sequence or null if value is already the last element**See Also:**[SpinnerModel.getNextValue()](http://docs.google.com/javax/swing/SpinnerModel.html#getNextValue()), [getPreviousValue()](http://docs.google.com/javax/swing/SpinnerListModel.html#getPreviousValue())

### getPreviousValue

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

Returns the previous element of the underlying sequence or null if value is already the first element.

**Specified by:**[getPreviousValue](http://docs.google.com/javax/swing/SpinnerModel.html#getPreviousValue()) in interface [SpinnerModel](http://docs.google.com/javax/swing/SpinnerModel.html) **Returns:**the previous element of the underlying sequence or null if value is already the first element**See Also:**[SpinnerModel.getPreviousValue()](http://docs.google.com/javax/swing/SpinnerModel.html#getPreviousValue()), [getNextValue()](http://docs.google.com/javax/swing/SpinnerListModel.html#getNextValue())

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