| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/swing/tree/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/tools/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/undo/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.swing.undo

Allows developers to provide support for undo/redo in applications such as text editors.

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**StateEditable**](http://docs.google.com/javax/swing/undo/StateEditable.html) | StateEditable defines the interface for objects that can have their state undone/redone by a StateEdit. |
| [**UndoableEdit**](http://docs.google.com/javax/swing/undo/UndoableEdit.html) | An UndoableEdit represents an edit. |

| **Class Summary** | |
| --- | --- |
| [**AbstractUndoableEdit**](http://docs.google.com/javax/swing/undo/AbstractUndoableEdit.html) | An abstract implementation of UndoableEdit, implementing simple responses to all boolean methods in that interface. |
| [**CompoundEdit**](http://docs.google.com/javax/swing/undo/CompoundEdit.html) | A concrete subclass of AbstractUndoableEdit, used to assemble little UndoableEdits into great big ones. |
| [**StateEdit**](http://docs.google.com/javax/swing/undo/StateEdit.html) | StateEdit is a general edit for objects that change state. |
| [**UndoableEditSupport**](http://docs.google.com/javax/swing/undo/UndoableEditSupport.html) | A support class used for managing UndoableEdit listeners. |
| [**UndoManager**](http://docs.google.com/javax/swing/undo/UndoManager.html) | UndoManager manages a list of UndoableEdits, providing a way to undo or redo the appropriate edits. |

| **Exception Summary** | |
| --- | --- |
| [**CannotRedoException**](http://docs.google.com/javax/swing/undo/CannotRedoException.html) | Thrown when an UndoableEdit is told to redo() and can't. |
| [**CannotUndoException**](http://docs.google.com/javax/swing/undo/CannotUndoException.html) | Thrown when an UndoableEdit is told to undo() and can't. |

## Package javax.swing.undo Description

Allows developers to provide support for undo/redo in applications such as text editors.

**Note:** Most of the Swing API is *not* thread safe. For details, see [Threads and Swing](http://java.sun.com/docs/books/tutorial/uiswing/overview/threads.html), a section in [*The Java Tutorial*](http://java.sun.com/docs/books/tutorial/).

## Related Documentation

For overviews, tutorials, examples, guides, and tool documentation, please see:

* [Implementing Undo and Redo](http://java.sun.com/docs/books/tutorial/uiswing/components/generaltext.html#undo), a section in *The Java Tutorial*

**Since:** 1.2

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