| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/table/TableModel.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/table//class-useTableModel.html)    [**NO FRAMES**](http://docs.google.com/TableModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**javax.swing.table.TableModel**

| Packages that use [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| [**javax.swing**](#3znysh7) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.event**](#2et92p0) | Provides for events fired by Swing components. |
| [**javax.swing.table**](#tyjcwt) | Provides classes and interfaces for dealing with javax.swing.JTable. |

| Uses of [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |

| Fields in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) declared as [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| protected  [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | **JTable.**[**dataModel**](http://docs.google.com/javax/swing/JTable.html#dataModel)            The TableModel of the table. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| protected  [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | **JTable.**[**createDefaultDataModel**](http://docs.google.com/javax/swing/JTable.html#createDefaultDataModel())()            Returns the default table model object, which is a DefaultTableModel. |
| [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | **JTable.**[**getModel**](http://docs.google.com/javax/swing/JTable.html#getModel())()            Returns the TableModel that provides the data displayed by this JTable. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) that return types with arguments of type [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| [RowSorter](http://docs.google.com/javax/swing/RowSorter.html)<? extends [TableModel](http://docs.google.com/javax/swing/table/TableModel.html)> | **JTable.**[**getRowSorter**](http://docs.google.com/javax/swing/JTable.html#getRowSorter())()            Returns the object responsible for sorting. |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| void | **JTable.**[**setModel**](http://docs.google.com/javax/swing/JTable.html#setModel(javax.swing.table.TableModel))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) dataModel)            Sets the data model for this table to newModel and registers with it for listener notifications from the new data model. |

| Method parameters in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with type arguments of type [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| void | **JTable.**[**setRowSorter**](http://docs.google.com/javax/swing/JTable.html#setRowSorter(javax.swing.RowSorter))([RowSorter](http://docs.google.com/javax/swing/RowSorter.html)<? extends [TableModel](http://docs.google.com/javax/swing/table/TableModel.html)> sorter)            Sets the RowSorter. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| [**JTable**](http://docs.google.com/javax/swing/JTable.html#JTable(javax.swing.table.TableModel))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) dm)            Constructs a JTable that is initialized with dm as the data model, a default column model, and a default selection model. |
| [**JTable**](http://docs.google.com/javax/swing/JTable.html#JTable(javax.swing.table.TableModel,%20javax.swing.table.TableColumnModel))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) dm, [TableColumnModel](http://docs.google.com/javax/swing/table/TableColumnModel.html) cm)            Constructs a JTable that is initialized with dm as the data model, cm as the column model, and a default selection model. |
| [**JTable**](http://docs.google.com/javax/swing/JTable.html#JTable(javax.swing.table.TableModel,%20javax.swing.table.TableColumnModel,%20javax.swing.ListSelectionModel))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) dm, [TableColumnModel](http://docs.google.com/javax/swing/table/TableColumnModel.html) cm, [ListSelectionModel](http://docs.google.com/javax/swing/ListSelectionModel.html) sm)            Constructs a JTable that is initialized with dm as the data model, cm as the column model, and sm as the selection model. |

| Uses of [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) | |
| --- | --- |

| Constructors in [javax.swing.event](http://docs.google.com/javax/swing/event/package-summary.html) with parameters of type [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| [**TableModelEvent**](http://docs.google.com/javax/swing/event/TableModelEvent.html#TableModelEvent(javax.swing.table.TableModel))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) source)            All row data in the table has changed, listeners should discard any state that was based on the rows and requery the TableModel to get the new row count and all the appropriate values. |
| [**TableModelEvent**](http://docs.google.com/javax/swing/event/TableModelEvent.html#TableModelEvent(javax.swing.table.TableModel,%20int))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) source, int row)            This row of data has been updated. |
| [**TableModelEvent**](http://docs.google.com/javax/swing/event/TableModelEvent.html#TableModelEvent(javax.swing.table.TableModel,%20int,%20int))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) source, int firstRow, int lastRow)            The data in rows [*firstRow*, *lastRow*] have been updated. |
| [**TableModelEvent**](http://docs.google.com/javax/swing/event/TableModelEvent.html#TableModelEvent(javax.swing.table.TableModel,%20int,%20int,%20int))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) source, int firstRow, int lastRow, int column)            The cells in column *column* in the range [*firstRow*, *lastRow*] have been updated. |
| [**TableModelEvent**](http://docs.google.com/javax/swing/event/TableModelEvent.html#TableModelEvent(javax.swing.table.TableModel,%20int,%20int,%20int,%20int))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) source, int firstRow, int lastRow, int column, int type)            The cells from (firstRow, column) to (lastRow, column) have been changed. |

| Uses of [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) with type parameters of type [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| class | [**TableRowSorter<M extends TableModel>**](http://docs.google.com/javax/swing/table/TableRowSorter.html)            An implementation of RowSorter that provides sorting and filtering using a TableModel. |

| Classes in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) that implement [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| class | [**AbstractTableModel**](http://docs.google.com/javax/swing/table/AbstractTableModel.html)            This abstract class provides default implementations for most of the methods in the TableModel interface. |
| class | [**DefaultTableModel**](http://docs.google.com/javax/swing/table/DefaultTableModel.html)            This is an implementation of TableModel that uses a Vector of Vectors to store the cell value objects. |

| Methods in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) with parameters of type [TableModel](http://docs.google.com/javax/swing/table/TableModel.html) | |
| --- | --- |
| abstract  [String](http://docs.google.com/java/lang/String.html) | **TableStringConverter.**[**toString**](http://docs.google.com/javax/swing/table/TableStringConverter.html#toString(javax.swing.table.TableModel,%20int,%20int))([TableModel](http://docs.google.com/javax/swing/table/TableModel.html) model, int row, int column)            Returns the string representation of the value at the specified location. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/table/TableModel.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/swing/table//class-useTableModel.html)    [**NO FRAMES**](http://docs.google.com/TableModel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).