| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TableView.TableRow.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/text/TableView.TableCell.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/TabSet.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/TableView.TableRow.html)    [**NO FRAMES**](http://docs.google.com/TableView.TableRow.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#35nkun2) |

## **javax.swing.text**

Class TableView.TableRow

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.swing.text.View](http://docs.google.com/javax/swing/text/View.html)  
 [javax.swing.text.CompositeView](http://docs.google.com/javax/swing/text/CompositeView.html)  
 [javax.swing.text.BoxView](http://docs.google.com/javax/swing/text/BoxView.html)  
 **javax.swing.text.TableView.TableRow**

**All Implemented Interfaces:** [SwingConstants](http://docs.google.com/javax/swing/SwingConstants.html) **Enclosing class:**[TableView](http://docs.google.com/javax/swing/text/TableView.html)

public class **TableView.TableRow**extends [BoxView](http://docs.google.com/javax/swing/text/BoxView.html)

View of a row in a row-centric table.

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

| **Fields inherited from class javax.swing.text.**[**View**](http://docs.google.com/javax/swing/text/View.html) |
| --- |
| [BadBreakWeight](http://docs.google.com/javax/swing/text/View.html#BadBreakWeight), [ExcellentBreakWeight](http://docs.google.com/javax/swing/text/View.html#ExcellentBreakWeight), [ForcedBreakWeight](http://docs.google.com/javax/swing/text/View.html#ForcedBreakWeight), [GoodBreakWeight](http://docs.google.com/javax/swing/text/View.html#GoodBreakWeight), [X\_AXIS](http://docs.google.com/javax/swing/text/View.html#X_AXIS), [Y\_AXIS](http://docs.google.com/javax/swing/text/View.html#Y_AXIS) |

| **Fields inherited from interface javax.swing.**[**SwingConstants**](http://docs.google.com/javax/swing/SwingConstants.html) |
| --- |
| [BOTTOM](http://docs.google.com/javax/swing/SwingConstants.html#BOTTOM), [CENTER](http://docs.google.com/javax/swing/SwingConstants.html#CENTER), [EAST](http://docs.google.com/javax/swing/SwingConstants.html#EAST), [HORIZONTAL](http://docs.google.com/javax/swing/SwingConstants.html#HORIZONTAL), [LEADING](http://docs.google.com/javax/swing/SwingConstants.html#LEADING), [LEFT](http://docs.google.com/javax/swing/SwingConstants.html#LEFT), [NEXT](http://docs.google.com/javax/swing/SwingConstants.html#NEXT), [NORTH](http://docs.google.com/javax/swing/SwingConstants.html#NORTH), [NORTH\_EAST](http://docs.google.com/javax/swing/SwingConstants.html#NORTH_EAST), [NORTH\_WEST](http://docs.google.com/javax/swing/SwingConstants.html#NORTH_WEST), [PREVIOUS](http://docs.google.com/javax/swing/SwingConstants.html#PREVIOUS), [RIGHT](http://docs.google.com/javax/swing/SwingConstants.html#RIGHT), [SOUTH](http://docs.google.com/javax/swing/SwingConstants.html#SOUTH), [SOUTH\_EAST](http://docs.google.com/javax/swing/SwingConstants.html#SOUTH_EAST), [SOUTH\_WEST](http://docs.google.com/javax/swing/SwingConstants.html#SOUTH_WEST), [TOP](http://docs.google.com/javax/swing/SwingConstants.html#TOP), [TRAILING](http://docs.google.com/javax/swing/SwingConstants.html#TRAILING), [VERTICAL](http://docs.google.com/javax/swing/SwingConstants.html#VERTICAL), [WEST](http://docs.google.com/javax/swing/SwingConstants.html#WEST) |

| **Constructor Summary** | |
| --- | --- |
| [**TableView.TableRow**](http://docs.google.com/javax/swing/text/TableView.TableRow.html#TableView.TableRow(javax.swing.text.Element))([Element](http://docs.google.com/javax/swing/text/Element.html) elem)            Constructs a TableView for the given element. |

| **Method Summary** | |
| --- | --- |
| int | [**getResizeWeight**](http://docs.google.com/javax/swing/text/TableView.TableRow.html#getResizeWeight(int))(int axis)            Determines the resizability of the view along the given axis. |
| protected  [View](http://docs.google.com/javax/swing/text/View.html) | [**getViewAtPosition**](http://docs.google.com/javax/swing/text/TableView.TableRow.html#getViewAtPosition(int,%20java.awt.Rectangle))(int pos, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) a)            Fetches the child view that represents the given position in the model. |
| protected  void | [**layoutMajorAxis**](http://docs.google.com/javax/swing/text/TableView.TableRow.html#layoutMajorAxis(int,%20int,%20int%5B%5D,%20int%5B%5D))(int targetSpan, int axis, int[] offsets, int[] spans)            Perform layout for the major axis of the box (i.e. |
| protected  void | [**layoutMinorAxis**](http://docs.google.com/javax/swing/text/TableView.TableRow.html#layoutMinorAxis(int,%20int,%20int%5B%5D,%20int%5B%5D))(int targetSpan, int axis, int[] offsets, int[] spans)            Perform layout for the minor axis of the box (i.e. |
| void | [**replace**](http://docs.google.com/javax/swing/text/TableView.TableRow.html#replace(int,%20int,%20javax.swing.text.View%5B%5D))(int offset, int length, [View](http://docs.google.com/javax/swing/text/View.html)[] views)            Change the child views. |

| **Methods inherited from class javax.swing.text.**[**BoxView**](http://docs.google.com/javax/swing/text/BoxView.html) |
| --- |
| [baselineLayout](http://docs.google.com/javax/swing/text/BoxView.html#baselineLayout(int,%20int,%20int%5B%5D,%20int%5B%5D)), [baselineRequirements](http://docs.google.com/javax/swing/text/BoxView.html#baselineRequirements(int,%20javax.swing.SizeRequirements)), [calculateMajorAxisRequirements](http://docs.google.com/javax/swing/text/BoxView.html#calculateMajorAxisRequirements(int,%20javax.swing.SizeRequirements)), [calculateMinorAxisRequirements](http://docs.google.com/javax/swing/text/BoxView.html#calculateMinorAxisRequirements(int,%20javax.swing.SizeRequirements)), [childAllocation](http://docs.google.com/javax/swing/text/BoxView.html#childAllocation(int,%20java.awt.Rectangle)), [flipEastAndWestAtEnds](http://docs.google.com/javax/swing/text/BoxView.html#flipEastAndWestAtEnds(int,%20javax.swing.text.Position.Bias)), [forwardUpdate](http://docs.google.com/javax/swing/text/BoxView.html#forwardUpdate(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory)), [getAlignment](http://docs.google.com/javax/swing/text/BoxView.html#getAlignment(int)), [getAxis](http://docs.google.com/javax/swing/text/BoxView.html#getAxis()), [getChildAllocation](http://docs.google.com/javax/swing/text/BoxView.html#getChildAllocation(int,%20java.awt.Shape)), [getHeight](http://docs.google.com/javax/swing/text/BoxView.html#getHeight()), [getMaximumSpan](http://docs.google.com/javax/swing/text/BoxView.html#getMaximumSpan(int)), [getMinimumSpan](http://docs.google.com/javax/swing/text/BoxView.html#getMinimumSpan(int)), [getOffset](http://docs.google.com/javax/swing/text/BoxView.html#getOffset(int,%20int)), [getPreferredSpan](http://docs.google.com/javax/swing/text/BoxView.html#getPreferredSpan(int)), [getSpan](http://docs.google.com/javax/swing/text/BoxView.html#getSpan(int,%20int)), [getViewAtPoint](http://docs.google.com/javax/swing/text/BoxView.html#getViewAtPoint(int,%20int,%20java.awt.Rectangle)), [getWidth](http://docs.google.com/javax/swing/text/BoxView.html#getWidth()), [isAfter](http://docs.google.com/javax/swing/text/BoxView.html#isAfter(int,%20int,%20java.awt.Rectangle)), [isAllocationValid](http://docs.google.com/javax/swing/text/BoxView.html#isAllocationValid()), [isBefore](http://docs.google.com/javax/swing/text/BoxView.html#isBefore(int,%20int,%20java.awt.Rectangle)), [isLayoutValid](http://docs.google.com/javax/swing/text/BoxView.html#isLayoutValid(int)), [layout](http://docs.google.com/javax/swing/text/BoxView.html#layout(int,%20int)), [layoutChanged](http://docs.google.com/javax/swing/text/BoxView.html#layoutChanged(int)), [modelToView](http://docs.google.com/javax/swing/text/BoxView.html#modelToView(int,%20java.awt.Shape,%20javax.swing.text.Position.Bias)), [paint](http://docs.google.com/javax/swing/text/BoxView.html#paint(java.awt.Graphics,%20java.awt.Shape)), [paintChild](http://docs.google.com/javax/swing/text/BoxView.html#paintChild(java.awt.Graphics,%20java.awt.Rectangle,%20int)), [preferenceChanged](http://docs.google.com/javax/swing/text/BoxView.html#preferenceChanged(javax.swing.text.View,%20boolean,%20boolean)), [setAxis](http://docs.google.com/javax/swing/text/BoxView.html#setAxis(int)), [setSize](http://docs.google.com/javax/swing/text/BoxView.html#setSize(float,%20float)), [viewToModel](http://docs.google.com/javax/swing/text/BoxView.html#viewToModel(float,%20float,%20java.awt.Shape,%20javax.swing.text.Position.Bias%5B%5D)) |

| **Methods inherited from class javax.swing.text.**[**CompositeView**](http://docs.google.com/javax/swing/text/CompositeView.html) |
| --- |
| [getBottomInset](http://docs.google.com/javax/swing/text/CompositeView.html#getBottomInset()), [getInsideAllocation](http://docs.google.com/javax/swing/text/CompositeView.html#getInsideAllocation(java.awt.Shape)), [getLeftInset](http://docs.google.com/javax/swing/text/CompositeView.html#getLeftInset()), [getNextEastWestVisualPositionFrom](http://docs.google.com/javax/swing/text/CompositeView.html#getNextEastWestVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D)), [getNextNorthSouthVisualPositionFrom](http://docs.google.com/javax/swing/text/CompositeView.html#getNextNorthSouthVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D)), [getNextVisualPositionFrom](http://docs.google.com/javax/swing/text/CompositeView.html#getNextVisualPositionFrom(int,%20javax.swing.text.Position.Bias,%20java.awt.Shape,%20int,%20javax.swing.text.Position.Bias%5B%5D)), [getRightInset](http://docs.google.com/javax/swing/text/CompositeView.html#getRightInset()), [getTopInset](http://docs.google.com/javax/swing/text/CompositeView.html#getTopInset()), [getView](http://docs.google.com/javax/swing/text/CompositeView.html#getView(int)), [getViewCount](http://docs.google.com/javax/swing/text/CompositeView.html#getViewCount()), [getViewIndex](http://docs.google.com/javax/swing/text/CompositeView.html#getViewIndex(int,%20javax.swing.text.Position.Bias)), [getViewIndexAtPosition](http://docs.google.com/javax/swing/text/CompositeView.html#getViewIndexAtPosition(int)), [loadChildren](http://docs.google.com/javax/swing/text/CompositeView.html#loadChildren(javax.swing.text.ViewFactory)), [modelToView](http://docs.google.com/javax/swing/text/CompositeView.html#modelToView(int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias,%20java.awt.Shape)), [setInsets](http://docs.google.com/javax/swing/text/CompositeView.html#setInsets(short,%20short,%20short,%20short)), [setParagraphInsets](http://docs.google.com/javax/swing/text/CompositeView.html#setParagraphInsets(javax.swing.text.AttributeSet)), [setParent](http://docs.google.com/javax/swing/text/CompositeView.html#setParent(javax.swing.text.View)) |

| **Methods inherited from class javax.swing.text.**[**View**](http://docs.google.com/javax/swing/text/View.html) |
| --- |
| [append](http://docs.google.com/javax/swing/text/View.html#append(javax.swing.text.View)), [breakView](http://docs.google.com/javax/swing/text/View.html#breakView(int,%20int,%20float,%20float)), [changedUpdate](http://docs.google.com/javax/swing/text/View.html#changedUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory)), [createFragment](http://docs.google.com/javax/swing/text/View.html#createFragment(int,%20int)), [forwardUpdateToView](http://docs.google.com/javax/swing/text/View.html#forwardUpdateToView(javax.swing.text.View,%20javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory)), [getAttributes](http://docs.google.com/javax/swing/text/View.html#getAttributes()), [getBreakWeight](http://docs.google.com/javax/swing/text/View.html#getBreakWeight(int,%20float,%20float)), [getContainer](http://docs.google.com/javax/swing/text/View.html#getContainer()), [getDocument](http://docs.google.com/javax/swing/text/View.html#getDocument()), [getElement](http://docs.google.com/javax/swing/text/View.html#getElement()), [getEndOffset](http://docs.google.com/javax/swing/text/View.html#getEndOffset()), [getGraphics](http://docs.google.com/javax/swing/text/View.html#getGraphics()), [getParent](http://docs.google.com/javax/swing/text/View.html#getParent()), [getStartOffset](http://docs.google.com/javax/swing/text/View.html#getStartOffset()), [getToolTipText](http://docs.google.com/javax/swing/text/View.html#getToolTipText(float,%20float,%20java.awt.Shape)), [getViewFactory](http://docs.google.com/javax/swing/text/View.html#getViewFactory()), [getViewIndex](http://docs.google.com/javax/swing/text/View.html#getViewIndex(float,%20float,%20java.awt.Shape)), [insert](http://docs.google.com/javax/swing/text/View.html#insert(int,%20javax.swing.text.View)), [insertUpdate](http://docs.google.com/javax/swing/text/View.html#insertUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory)), [isVisible](http://docs.google.com/javax/swing/text/View.html#isVisible()), [modelToView](http://docs.google.com/javax/swing/text/View.html#modelToView(int,%20java.awt.Shape)), [remove](http://docs.google.com/javax/swing/text/View.html#remove(int)), [removeAll](http://docs.google.com/javax/swing/text/View.html#removeAll()), [removeUpdate](http://docs.google.com/javax/swing/text/View.html#removeUpdate(javax.swing.event.DocumentEvent,%20java.awt.Shape,%20javax.swing.text.ViewFactory)), [updateChildren](http://docs.google.com/javax/swing/text/View.html#updateChildren(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20javax.swing.text.ViewFactory)), [updateLayout](http://docs.google.com/javax/swing/text/View.html#updateLayout(javax.swing.event.DocumentEvent.ElementChange,%20javax.swing.event.DocumentEvent,%20java.awt.Shape)), [viewToModel](http://docs.google.com/javax/swing/text/View.html#viewToModel(float,%20float,%20java.awt.Shape)) |

| **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** |
| --- |

### TableView.TableRow

public **TableView.TableRow**([Element](http://docs.google.com/javax/swing/text/Element.html) elem)

Constructs a TableView for the given element.

**Parameters:**elem - the element that this view is responsible for**Since:** 1.4

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

### replace

public void **replace**(int offset,  
 int length,  
 [View](http://docs.google.com/javax/swing/text/View.html)[] views)

Change the child views. This is implemented to provide the superclass behavior and invalidate the grid so that rows and columns will be recalculated.

**Overrides:**[replace](http://docs.google.com/javax/swing/text/BoxView.html#replace(int,%20int,%20javax.swing.text.View%5B%5D)) in class [BoxView](http://docs.google.com/javax/swing/text/BoxView.html) **Parameters:**offset - the starting index into the child views to insert the new views; this should be a value >= 0 and <= getViewCountlength - the number of existing child views to remove; This should be a value >= 0 and <= (getViewCount() - offset)views - the child views to add; this value can be nullto indicate no children are being added (useful to remove)

### layoutMajorAxis

protected void **layoutMajorAxis**(int targetSpan,  
 int axis,  
 int[] offsets,  
 int[] spans)

Perform layout for the major axis of the box (i.e. the axis that it represents). The results of the layout should be placed in the given arrays which represent the allocations to the children along the major axis.

This is re-implemented to give each child the span of the column width for the table, and to give cells that span multiple columns the multi-column span.

**Overrides:**[layoutMajorAxis](http://docs.google.com/javax/swing/text/BoxView.html#layoutMajorAxis(int,%20int,%20int%5B%5D,%20int%5B%5D)) in class [BoxView](http://docs.google.com/javax/swing/text/BoxView.html) **Parameters:**targetSpan - the total span given to the view, which whould be used to layout the children.axis - the axis being layed out.offsets - the offsets from the origin of the view for each of the child views. This is a return value and is filled in by the implementation of this method.spans - the span of each child view. This is a return value and is filled in by the implementation of this method.

### layoutMinorAxis

protected void **layoutMinorAxis**(int targetSpan,  
 int axis,  
 int[] offsets,  
 int[] spans)

Perform layout for the minor axis of the box (i.e. the axis orthoginal to the axis that it represents). The results of the layout should be placed in the given arrays which represent the allocations to the children along the minor axis. This is called by the superclass whenever the layout needs to be updated along the minor axis.

This is implemented to delegate to the superclass, then adjust the span for any cell that spans multiple rows.

**Overrides:**[layoutMinorAxis](http://docs.google.com/javax/swing/text/BoxView.html#layoutMinorAxis(int,%20int,%20int%5B%5D,%20int%5B%5D)) in class [BoxView](http://docs.google.com/javax/swing/text/BoxView.html) **Parameters:**targetSpan - the total span given to the view, which whould be used to layout the children.axis - the axis being layed out.offsets - the offsets from the origin of the view for each of the child views. This is a return value and is filled in by the implementation of this method.spans - the span of each child view. This is a return value and is filled in by the implementation of this method.

### getResizeWeight

public int **getResizeWeight**(int axis)

Determines the resizability of the view along the given axis. A value of 0 or less is not resizable.

**Overrides:**[getResizeWeight](http://docs.google.com/javax/swing/text/BoxView.html#getResizeWeight(int)) in class [BoxView](http://docs.google.com/javax/swing/text/BoxView.html) **Parameters:**axis - may be either View.X\_AXIS or View.Y\_AXIS **Returns:**the resize weight **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - for an invalid axis

### getViewAtPosition

protected [View](http://docs.google.com/javax/swing/text/View.html) **getViewAtPosition**(int pos,  
 [Rectangle](http://docs.google.com/java/awt/Rectangle.html) a)

Fetches the child view that represents the given position in the model. This is implemented to walk through the children looking for a range that contains the given position. In this view the children do not necessarily have a one to one mapping with the child elements.

**Overrides:**[getViewAtPosition](http://docs.google.com/javax/swing/text/CompositeView.html#getViewAtPosition(int,%20java.awt.Rectangle)) in class [CompositeView](http://docs.google.com/javax/swing/text/CompositeView.html) **Parameters:**pos - the search position >= 0a - the allocation to the table on entry, and the allocation of the view containing the position on exit **Returns:**the view representing the given position, or null if there isn't one

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/TableView.TableRow.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/text/TableView.TableCell.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/TabSet.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/TableView.TableRow.html)    [**NO FRAMES**](http://docs.google.com/TableView.TableRow.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#35nkun2) |

[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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