| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/text/JTextComponent.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/text//class-useJTextComponent.html)    [**NO FRAMES**](http://docs.google.com/JTextComponent.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**javax.swing.text.JTextComponent**

| Packages that use [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.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.plaf**](#2et92p0) | Provides one interface and many abstract classes that Swing uses to provide its pluggable look-and-feel capabilities. |
| [**javax.swing.plaf.basic**](#tyjcwt) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.multi**](#3dy6vkm) | Provides user interface objects that combine two or more look and feels. |
| [**javax.swing.text**](#1t3h5sf) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.tree**](#4d34og8) | Provides classes and interfaces for dealing with javax.swing.JTree. |

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

| Subclasses of [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) | |
| --- | --- |
| class | [**JEditorPane**](http://docs.google.com/javax/swing/JEditorPane.html)            A text component to edit various kinds of content. |
| class | [**JFormattedTextField**](http://docs.google.com/javax/swing/JFormattedTextField.html)            JFormattedTextField extends JTextField adding support for formatting arbitrary values, as well as retrieving a particular object once the user has edited the text. |
| class | [**JPasswordField**](http://docs.google.com/javax/swing/JPasswordField.html)            JPasswordField is a lightweight component that allows the editing of a single line of text where the view indicates something was typed, but does not show the original characters. |
| class | [**JTextArea**](http://docs.google.com/javax/swing/JTextArea.html)            A JTextArea is a multi-line area that displays plain text. |
| class | [**JTextField**](http://docs.google.com/javax/swing/JTextField.html)            JTextField is a lightweight component that allows the editing of a single line of text. |
| class | [**JTextPane**](http://docs.google.com/javax/swing/JTextPane.html)            A text component that can be marked up with attributes that are represented graphically. |

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

| Methods in [javax.swing.plaf](http://docs.google.com/javax/swing/plaf/package-summary.html) with parameters of type [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | |
| --- | --- |
| abstract  void | **TextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/TextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int p0, int p1)            Causes the portion of the view responsible for the given part of the model to be repainted. |
| abstract  void | **TextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/TextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int,%20javax.swing.text.Position.Bias,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int p0, int p1, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) firstBias, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) secondBias)            Causes the portion of the view responsible for the given part of the model to be repainted. |
| abstract  [EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html) | **TextUI.**[**getEditorKit**](http://docs.google.com/javax/swing/plaf/TextUI.html#getEditorKit(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t)            Fetches the binding of services that set a policy for the type of document being edited. |
| abstract  int | **TextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/TextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| abstract  [View](http://docs.google.com/javax/swing/text/View.html) | **TextUI.**[**getRootView**](http://docs.google.com/javax/swing/plaf/TextUI.html#getRootView(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t)            Fetches a View with the allocation of the associated text component (i.e. |
| [String](http://docs.google.com/java/lang/String.html) | **TextUI.**[**getToolTipText**](http://docs.google.com/javax/swing/plaf/TextUI.html#getToolTipText(javax.swing.text.JTextComponent,%20java.awt.Point))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, [Point](http://docs.google.com/java/awt/Point.html) pt)            Returns the string to be used as the tooltip at the passed in location. |
| abstract  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **TextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/TextUI.html#modelToView(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos)            Converts the given location in the model to a place in the view coordinate system. |
| abstract  [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **TextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/TextUI.html#modelToView(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Converts the given location in the model to a place in the view coordinate system. |
| abstract  int | **TextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/TextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, [Point](http://docs.google.com/java/awt/Point.html) pt)            Converts the given place in the view coordinate system to the nearest representative location in the model. |
| abstract  int | **TextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/TextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, [Point](http://docs.google.com/java/awt/Point.html) pt, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Provides a mapping from the view coordinate space to the logical coordinate space of the model. |

| Uses of [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | |
| --- | --- |
| protected  [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | **BasicTextUI.**[**getComponent**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#getComponent())()            Fetches the text component associated with this UI implementation. |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | |
| --- | --- |
| void | **BasicTextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc, int p0, int p1)            Causes the portion of the view responsible for the given part of the model to be repainted. |
| void | **BasicTextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int,%20javax.swing.text.Position.Bias,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int p0, int p1, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) p0Bias, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) p1Bias)            Causes the portion of the view responsible for the given part of the model to be repainted. |
| [EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html) | **BasicEditorPaneUI.**[**getEditorKit**](http://docs.google.com/javax/swing/plaf/basic/BasicEditorPaneUI.html#getEditorKit(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc)            Fetches the EditorKit for the UI. |
| [EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html) | **BasicTextUI.**[**getEditorKit**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#getEditorKit(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc)            Fetches the EditorKit for the UI. |
| int | **BasicTextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) b, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Provides a way to determine the next visually represented model location that one might place a caret. |
| [View](http://docs.google.com/javax/swing/text/View.html) | **BasicTextUI.**[**getRootView**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#getRootView(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc)            Fetches a View with the allocation of the associated text component (i.e. |
| [String](http://docs.google.com/java/lang/String.html) | **BasicTextUI.**[**getToolTipText**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#getToolTipText(javax.swing.text.JTextComponent,%20java.awt.Point))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) t, [Point](http://docs.google.com/java/awt/Point.html) pt)            Returns the string to be used as the tooltip at the passed in location. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **BasicTextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#modelToView(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc, int pos)            Converts the given location in the model to a place in the view coordinate system. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **BasicTextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#modelToView(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias)            Converts the given location in the model to a place in the view coordinate system. |
| int | **BasicTextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc, [Point](http://docs.google.com/java/awt/Point.html) pt)            Converts the given place in the view coordinate system to the nearest representative location in the model. |
| int | **BasicTextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/basic/BasicTextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) tc, [Point](http://docs.google.com/java/awt/Point.html) pt, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasReturn)            Converts the given place in the view coordinate system to the nearest representative location in the model. |

| Uses of [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) | |
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| Methods in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) with parameters of type [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | |
| --- | --- |
| void | **MultiTextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, int c)            Invokes the damageRange method on each UI handled by this object. |
| void | **MultiTextUI.**[**damageRange**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#damageRange(javax.swing.text.JTextComponent,%20int,%20int,%20javax.swing.text.Position.Bias,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, int c, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) d, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) e)            Invokes the damageRange method on each UI handled by this object. |
| [EditorKit](http://docs.google.com/javax/swing/text/EditorKit.html) | **MultiTextUI.**[**getEditorKit**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#getEditorKit(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a)            Invokes the getEditorKit method on each UI handled by this object. |
| int | **MultiTextUI.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) c, int d, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] e)            Invokes the getNextVisualPositionFrom method on each UI handled by this object. |
| [View](http://docs.google.com/javax/swing/text/View.html) | **MultiTextUI.**[**getRootView**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#getRootView(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a)            Invokes the getRootView method on each UI handled by this object. |
| [String](http://docs.google.com/java/lang/String.html) | **MultiTextUI.**[**getToolTipText**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#getToolTipText(javax.swing.text.JTextComponent,%20java.awt.Point))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, [Point](http://docs.google.com/java/awt/Point.html) b)            Invokes the getToolTipText method on each UI handled by this object. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **MultiTextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#modelToView(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b)            Invokes the modelToView method on each UI handled by this object. |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **MultiTextUI.**[**modelToView**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#modelToView(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, int b, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) c)            Invokes the modelToView method on each UI handled by this object. |
| int | **MultiTextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, [Point](http://docs.google.com/java/awt/Point.html) b)            Invokes the viewToModel method on each UI handled by this object. |
| int | **MultiTextUI.**[**viewToModel**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#viewToModel(javax.swing.text.JTextComponent,%20java.awt.Point,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) a, [Point](http://docs.google.com/java/awt/Point.html) b, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] c)            Invokes the viewToModel method on each UI handled by this object. |

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

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | |
| --- | --- |
| protected  [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | **DefaultCaret.**[**getComponent**](http://docs.google.com/javax/swing/text/DefaultCaret.html#getComponent())()            Gets the text editor component that this caret is is bound to. |
| protected  [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | **TextAction.**[**getFocusedComponent**](http://docs.google.com/javax/swing/text/TextAction.html#getFocusedComponent())()            Fetches the text component that currently has focus. |
| protected  [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | **TextAction.**[**getTextComponent**](http://docs.google.com/javax/swing/text/TextAction.html#getTextComponent(java.awt.event.ActionEvent))([ActionEvent](http://docs.google.com/java/awt/event/ActionEvent.html) e)            Determines the component to use for the action. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) | |
| --- | --- |
| void | **DefaultHighlighter.**[**deinstall**](http://docs.google.com/javax/swing/text/DefaultHighlighter.html#deinstall(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being removed from the interface of a JTextComponent. |
| void | **DefaultCaret.**[**deinstall**](http://docs.google.com/javax/swing/text/DefaultCaret.html#deinstall(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being removed from the interface of a JTextComponent. |
| void | **Highlighter.**[**deinstall**](http://docs.google.com/javax/swing/text/Highlighter.html#deinstall(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being removed from the interface of a JTextComponent. |
| void | **Caret.**[**deinstall**](http://docs.google.com/javax/swing/text/Caret.html#deinstall(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being removed from the interface of a JTextComponent. |
| int | **NavigationFilter.**[**getNextVisualPositionFrom**](http://docs.google.com/javax/swing/text/NavigationFilter.html#getNextVisualPositionFrom(javax.swing.text.JTextComponent,%20int,%20javax.swing.text.Position.Bias,%20int,%20javax.swing.text.Position.Bias%5B%5D))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) text, int pos, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html) bias, int direction, [Position.Bias](http://docs.google.com/javax/swing/text/Position.Bias.html)[] biasRet)            Returns the next visual position to place the caret at from an existing position. |
| static int | **Utilities.**[**getNextWord**](http://docs.google.com/javax/swing/text/Utilities.html#getNextWord(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs)            Determines the start of the next word for the given location. |
| static [Element](http://docs.google.com/javax/swing/text/Element.html) | **Utilities.**[**getParagraphElement**](http://docs.google.com/javax/swing/text/Utilities.html#getParagraphElement(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs)            Determines the element to use for a paragraph/line. |
| static int | **Utilities.**[**getPositionAbove**](http://docs.google.com/javax/swing/text/Utilities.html#getPositionAbove(javax.swing.text.JTextComponent,%20int,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs, int x)            Determines the position in the model that is closest to the given view location in the row above. |
| static int | **Utilities.**[**getPositionBelow**](http://docs.google.com/javax/swing/text/Utilities.html#getPositionBelow(javax.swing.text.JTextComponent,%20int,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs, int x)            Determines the position in the model that is closest to the given view location in the row below. |
| static int | **Utilities.**[**getPreviousWord**](http://docs.google.com/javax/swing/text/Utilities.html#getPreviousWord(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs)            Determine the start of the prev word for the given location. |
| static int | **Utilities.**[**getRowEnd**](http://docs.google.com/javax/swing/text/Utilities.html#getRowEnd(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs)            Determines the ending row model position of the row that contains the specified model position. |
| static int | **Utilities.**[**getRowStart**](http://docs.google.com/javax/swing/text/Utilities.html#getRowStart(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs)            Determines the starting row model position of the row that contains the specified model position. |
| static int | **Utilities.**[**getWordEnd**](http://docs.google.com/javax/swing/text/Utilities.html#getWordEnd(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs)            Determines the end of a word for the given location. |
| static int | **Utilities.**[**getWordStart**](http://docs.google.com/javax/swing/text/Utilities.html#getWordStart(javax.swing.text.JTextComponent,%20int))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, int offs)            Determines the start of a word for the given model location. |
| void | **DefaultHighlighter.**[**install**](http://docs.google.com/javax/swing/text/DefaultHighlighter.html#install(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being installed into the interface of a JTextComponent. |
| void | **DefaultCaret.**[**install**](http://docs.google.com/javax/swing/text/DefaultCaret.html#install(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being installed into the interface of a JTextComponent. |
| void | **Highlighter.**[**install**](http://docs.google.com/javax/swing/text/Highlighter.html#install(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being installed into the interface of a JTextComponent. |
| void | **Caret.**[**install**](http://docs.google.com/javax/swing/text/Caret.html#install(javax.swing.text.JTextComponent))([JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Called when the UI is being installed into the interface of a JTextComponent. |
| void | **DefaultHighlighter.DefaultHighlightPainter.**[**paint**](http://docs.google.com/javax/swing/text/DefaultHighlighter.DefaultHighlightPainter.html#paint(java.awt.Graphics,%20int,%20int,%20java.awt.Shape,%20javax.swing.text.JTextComponent))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int offs0, int offs1, [Shape](http://docs.google.com/java/awt/Shape.html) bounds, [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Paints a highlight. |
| void | **Highlighter.HighlightPainter.**[**paint**](http://docs.google.com/javax/swing/text/Highlighter.HighlightPainter.html#paint(java.awt.Graphics,%20int,%20int,%20java.awt.Shape,%20javax.swing.text.JTextComponent))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int p0, int p1, [Shape](http://docs.google.com/java/awt/Shape.html) bounds, [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c)            Renders the highlight. |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **DefaultHighlighter.DefaultHighlightPainter.**[**paintLayer**](http://docs.google.com/javax/swing/text/DefaultHighlighter.DefaultHighlightPainter.html#paintLayer(java.awt.Graphics,%20int,%20int,%20java.awt.Shape,%20javax.swing.text.JTextComponent,%20javax.swing.text.View))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int offs0, int offs1, [Shape](http://docs.google.com/java/awt/Shape.html) bounds, [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) c, [View](http://docs.google.com/javax/swing/text/View.html) view)            Paints a portion of a highlight. |
| abstract  [Shape](http://docs.google.com/java/awt/Shape.html) | **LayeredHighlighter.LayerPainter.**[**paintLayer**](http://docs.google.com/javax/swing/text/LayeredHighlighter.LayerPainter.html#paintLayer(java.awt.Graphics,%20int,%20int,%20java.awt.Shape,%20javax.swing.text.JTextComponent,%20javax.swing.text.View))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int p0, int p1, [Shape](http://docs.google.com/java/awt/Shape.html) viewBounds, [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) editor, [View](http://docs.google.com/javax/swing/text/View.html) view) |
| void | **DefaultHighlighter.**[**paintLayeredHighlights**](http://docs.google.com/javax/swing/text/DefaultHighlighter.html#paintLayeredHighlights(java.awt.Graphics,%20int,%20int,%20java.awt.Shape,%20javax.swing.text.JTextComponent,%20javax.swing.text.View))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int p0, int p1, [Shape](http://docs.google.com/java/awt/Shape.html) viewBounds, [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) editor, [View](http://docs.google.com/javax/swing/text/View.html) view)            When leaf Views (such as LabelView) are rendering they should call into this method. |
| abstract  void | **LayeredHighlighter.**[**paintLayeredHighlights**](http://docs.google.com/javax/swing/text/LayeredHighlighter.html#paintLayeredHighlights(java.awt.Graphics,%20int,%20int,%20java.awt.Shape,%20javax.swing.text.JTextComponent,%20javax.swing.text.View))([Graphics](http://docs.google.com/java/awt/Graphics.html) g, int p0, int p1, [Shape](http://docs.google.com/java/awt/Shape.html) viewBounds, [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) editor, [View](http://docs.google.com/javax/swing/text/View.html) view)            When leaf Views (such as LabelView) are rendering they should call into this method. |

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

| Subclasses of [JTextComponent](http://docs.google.com/javax/swing/text/JTextComponent.html) in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) | |
| --- | --- |
| class | [**DefaultTreeCellEditor.DefaultTextField**](http://docs.google.com/javax/swing/tree/DefaultTreeCellEditor.DefaultTextField.html)            TextField used when no editor is supplied. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/javax/swing/text/JTextComponent.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/text//class-useJTextComponent.html)    [**NO FRAMES**](http://docs.google.com/JTextComponent.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.

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