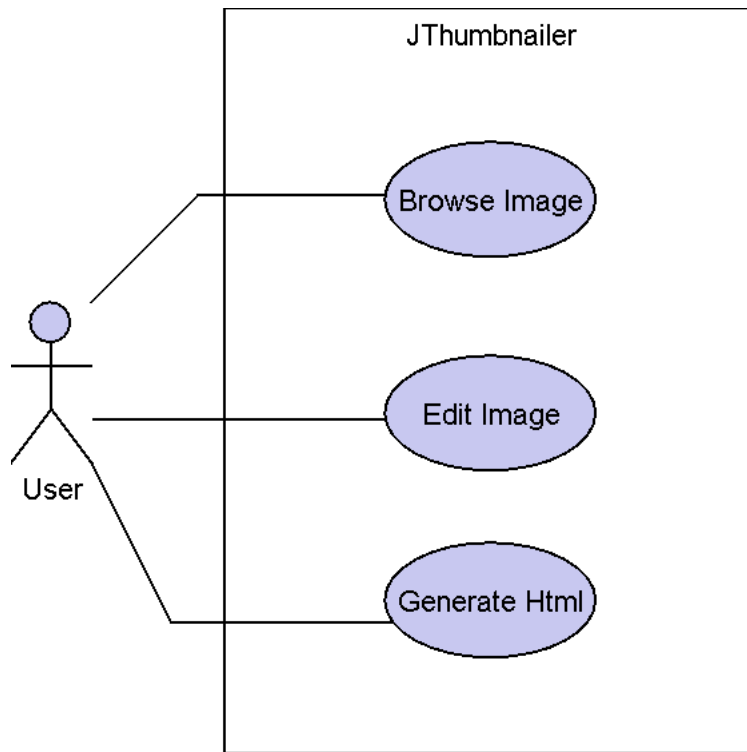






## Use Case Diagram



### Diagram Content Summary

-  [JThumbnailer](#)
-  [Browse Image](#)
-  [Edit Image](#)
-  [Generate Html](#)
-  [User](#)

### Diagram Content Detail

 **UseCase** Browse Image

**Documentation :** This use case describes the basic preview function of  
jthumbnailer

**Is Abstract :** false

**Is Root :** false

**Is Leaf :** false

**Rank :** Unspecified

**Contained by :** [JThumbnailer](#)

**Communicates link**

to [User](#)

**Use Case Description**

<b>name</b>	Browse Image		
<b>Flow of Event</b>			
		<b>Actor input</b>	<b>System response</b>
	0	Select a folder	
	1		List thumbnail
	2	Change folder or location	
	3		Refresh the file view



**UseCase** Edit Image

**Is Abstract :** false

**Is Root :** false

**Is Leaf :** false

**Rank :** Unspecified

**Contained by :** [JThumbnailer](#)

**Communicates link**

to [User](#)

**Use Case Description**

<b>name</b>	Edit Image		
<b>Super Use case</b>	This use case describes the editing process of the image editing		
<b>Flow of Event</b>			
		<b>Actor input</b>	<b>System response</b>
	0	Select an image	

	1		Display the full image
	2	Edit the image	
	3		Show the edited view
	4	Close the window	
	5		Ask user to save or discard teh changes.
	6	Choose a file path	
	7		Save the changed image



### UseCase Generate Html

**Is Abstract :** false

**Is Root :** false

**Is Leaf :** false

**Rank :** Unspecified

**Contained by :** [JThumbnailer](#)

**Communicates link**

to [User](#)

### Use Case Description

<b>name</b>	Generate Html		
<b>Brief description</b>	This use case is the process of Html Generation		
<b>Flow of Event</b>		<b>Actor input</b>	<b>System response</b>
	0	Select a set of pictures	
	1		Display the sources in a table
	2	Select a folder	
	3		Display the folder
	4	Input other detail	
	5		show the detail
	6	Confirm to genreate	
	7		start generation



**Actor** User

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Communicates link**

to [Browse Image](#)

to [Edit Image](#)

to [Generate Html](#)



**System** JThumbnailer

**Is Abstract** : false

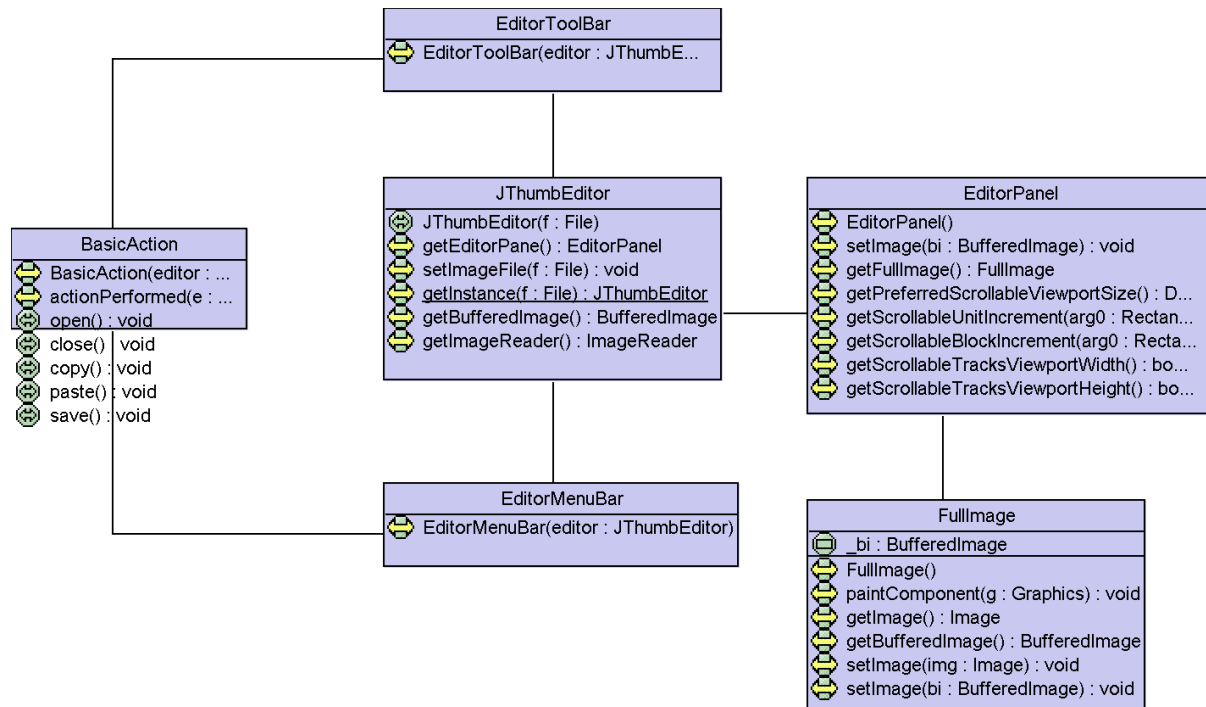
**Is Root** : false

**Is Leaf** : false

**Contains:**

[Browse Image](#), [Edit Image](#), [Generate Html](#)

## JThumbEditor



### Diagram Content Summary

- [JThumbEditor](#)
- [EditorPanel](#)
- [FullImage](#)
- [EditorToolBar](#)
- [EditorMenuBar](#)
- [BasicAction](#)

### Diagram Content Detail



**Class** JThumbEditor

**Documentation** : Main class of the jthumbeditor.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Communicates link**

to [EditorPanel](#)

to [EditorMenuBar](#)

to [EditorToolBar](#)

Attribute Summary	
private <a href="#">EditorToolBar</a>	_toolBar
private <a href="#">EditorPanel</a>	_imagePane
private JScrollPane	_scroll
private <a href="#">JThumbEditor</a>	_frame
private <a href="#">EditorMenuBar</a>	_menuBar
private File	_file

Operation Summary	
private	JThumbEditor(File f)
public <a href="#">EditorPanel</a>	getEditorPane()
public void	setImageFile(File f)
public <a href="#">JThumbEditor</a>	getInstance(File f)
public <a href="#">BufferedImage</a>	getBufferedImage()
public <a href="#">ImageReader</a>	getImageReader()

#### Attribute Detail

private <a href="#">EditorToolBar</a> _toolBar
--

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private <a href="#">EditorPanel</a> _imagePane
--

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JScrollPane _scroll
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JThumbEditor _frame
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : classifier

```
private EditorMenuBar _menuBar
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private File _file
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

**Operation Detail**

```
private JThumbEditor(File f)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : f  
**Type** : File  
**Direction** : inout

```
public EditorPanel getEditorPane()
```

**Scope** : instance  
**Is Query** : false

```
public void setImageFile(File f)
```

**Scope** : instance  
**Is Query** : false

#### Parameter Detail

**Name** : f  
**Type** : File  
**Direction** : inout

```
public JThumbEditor getInstance(File f)
```

**Scope** : classifier  
**Is Query** : false

#### Parameter Detail

**Name** : f  
**Type** : File  
**Direction** : inout

```
public BufferedImage getBufferedImage()
```

**Scope** : instance  
**Is Query** : false

```
public ImageReader getImageReader()
```

**Scope** : instance

**Is Query** : false



**Class** `EditorPanel`

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Communicates link**

to [FullImage](#)

to [JThumbEditor](#)

Attribute Summary	
private File	<code>_file</code>
private BufferedImage	<code>_bi</code>
private FullImage	<code>_fullImage</code>
private <a href="#">EditorPanel</a>	<code>_imageFrame</code>

Operation Summary	
public	<code>EditorPanel()</code>
public void	<code>setImage(BufferedImage bi)</code>
public <a href="#">FullImage</a>	<code>getFullImage()</code>
public <a href="#">Dimension</a>	<code>getPreferredScrollableViewportSize()</code>
public int	<code>getScrollableUnitIncrement(Rectangle arg0,int arg1,int arg2)</code>
public int	<code>getScrollableBlockIncrement(Rectangle arg0,int arg1,int arg2)</code>
public boolean	<code>getScrollableTracksViewportWidth()</code>
public boolean	<code>getScrollableTracksViewportHeight()</code>

#### Attribute Detail

```
private File _file
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private BufferedImage _bi
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private FullImage _fullImage
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private EditorPanel _imageFrame
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : classifier

**Operation Detail**

```
public EditorPanel()
```

**Scope** : instance

**Is Query** : false

```
public void setImage(BufferedImage bi)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : bi

**Type** : BufferedImage

**Direction** : inout

```
public FullImage getFullImage()
```

**Scope** : instance

**Is Query** : false

```
public Dimension getPreferredSize()
```

**Scope** : instance

**Is Query** : false

```
public int getScrollableUnitIncrement(Rectangle arg0,int arg1,int arg2)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : arg0

**Type** : Rectangle

**Direction** : inout

**Name** : arg1

**Type** : int

**Direction** : inout

**Name** : arg2

**Type** : int

**Direction** : inout

```
public int getScrollableBlockIncrement(Rectangle arg0,int arg1,int arg2)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : arg0

**Type** : Rectangle

**Direction** : inout

**Name** : arg1

**Type** : int

**Direction** : inout

**Name** : arg2

**Type** : int

**Direction** : inout

```
public boolean getScrollableTracksViewportWidth()
```

**Scope** : instance

**Is Query** : false

```
public boolean getScrollableTracksViewportHeight()
```

**Scope** : instance

**Is Query** : false



**Class** FullImage

**Documentation** : It stores a buuferedimage to display the image/modifying image.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Communicates link**

to [EditorPanel](#)

**Attribute Summary**

private BufferedImage	_bi
-----------------------	-----

**Operation Summary**

public	FullImage()
public void	paintComponent(Graphics g)
public Image	getImage()
public BufferedImage	getBufferedImage()
public void	setImage(Image img)
public void	setImage(BufferedImage bi)

**Attribute Detail**

```
private BufferedImage _bi
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

**Operation Detail**

```
public FullImage()
```

**Scope :** instance

**Is Query :** false

```
public void paintComponent(Graphics g)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** g

**Type** : Graphics

**Direction** : inout

```
public Image getImage()
```

**Scope** : instance

**Is Query** : false

```
public BufferedImage getBufferedImage()
```

**Scope** : instance

**Is Query** : false

```
public void setImage(Image img)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : img

**Type** : Image

**Direction** : inout

```
public void setImage(BufferedImage bi)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : bi

**Type** : BufferedImage

**Direction** : inout

**Class** EditorToolBar

**Documentation :** This is a tool bar that existed in editor. The tool bar consists of the basic tools for user to edit the image. Most of the buttons of the tool bar will set a BasicAction object which will decide what to do when an action is performed.

**Is Abstract :** false

**Is Root :** false

**Is Leaf :** false

**Is Active :** false

**Visibility :** public

**Communicates link**

to [JThumbEditor](#)

to [BasicAction](#)

Attribute Summary	
private JButton	_btnOpen
private JButton	_btnClose
private JButton	_btnSave
private JButton	_btnCopy
private JButton	_btnPaste
private JButton	_btnPrevious
private JButton	_btnNext
private JButton	_btnZoomin
private JButton	_btnZoomout
private <a href="#">BasicAction</a>	_action

Operation Summary	
public	EditorToolBar(JThumbEditor editor)

**Attribute Detail**

private [JButton](#) \_btnOpen

**Visible :** true

**Initial value:** newJButton()

**Multiplicity** : Unspecified

**Scope** : instance

private [JButton](#) \_btnClose

**Visible** : true

**Initial value**: newJButton()

**Multiplicity** : Unspecified

**Scope** : instance

private [JButton](#) \_btnSave

**Visible** : true

**Initial value**: newJButton()

**Multiplicity** : Unspecified

**Scope** : instance

private [JButton](#) \_btnCopy

**Visible** : true

**Initial value**: newJButton()

**Multiplicity** : Unspecified

**Scope** : instance

private [JButton](#) \_btnPaste

**Visible** : true

**Initial value**: newJButton()

**Multiplicity** : Unspecified

**Scope** : instance

private [JButton](#) \_btnPrevious

**Visible** : true

**Initial value**: newJButton()

**Multiplicity** : Unspecified

**Scope** : instance

private JButton \_btnNext

**Visible :** true

**Initial value:** newJButton()

**Multiplicity :** Unspecified

**Scope :** instance

private JButton \_btnZoomin

**Visible :** true

**Initial value:** newJButton()

**Multiplicity :** Unspecified

**Scope :** instance

private JButton \_btnZoomout

**Visible :** true

**Initial value:** newJButton()

**Multiplicity :** Unspecified

**Scope :** instance

private BasicAction \_action

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

**Operation Detail**

public EditorToolBar(JThumbEditor editor)

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** editor

**Type :** JThumbEditor

**Direction :** inout



**Class** EditorMenuBar

**Documentation :** @author Administrator

**Is Abstract :** false

**Is Root :** false

**Is Leaf :** false

**Is Active :** false

**Visibility :** public

**Communicates link**

to [JThumbEditor](#)

to [BasicAction](#)

#### Attribute Summary

private JMenu	_mnFile
private JMenu	_mnView
private JMenu	_mnEdit
private JMenu	_mnTool
private JMenu	_mnFilter
private JMenuItem	_miOpen
private JMenuItem	_miClose
private JMenuItem	_miSave
private JMenuItem	_miExit
private JMenuItem	_miCopy
private JMenuItem	_miPaste
private <a href="#">BasicAction</a>	_action

#### Operation Summary

public	EditorMenuBar(JThumbEditor editor)
--------	------------------------------------

#### Attribute Detail

private [JMenu](#) \_mnFile

**Visible :** true

**Initial value:** newJMenu("File")

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenu](#) \_mnView

**Visible :** true

**Initial value:** newJMenu("View")

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenu](#) \_mnEdit

**Visible :** true

**Initial value:** newJMenu("Edit")

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenu](#) \_mnTool

**Visible :** true

**Initial value:** newJMenu("Tool")

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenu](#) \_mnFilter

**Visible :** true

**Initial value:** newJMenu("Filter")

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenuItem](#) \_miOpen

**Visible :** true

**Initial value:** newJMenuItem("Open")

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenuItem](#) \_miClose

**Visible :** true

**Initial value:** newJMenuItem( "Close" )

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenuItem](#) \_miSave

**Visible :** true

**Initial value:** newJMenuItem( "Save" )

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenuItem](#) \_miExit

**Visible :** true

**Initial value:** newJMenuItem( "Exit" )

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenuItem](#) \_miCopy

**Visible :** true

**Initial value:** newJMenuItem( "Copy" )

**Multiplicity :** Unspecified

**Scope :** instance

private [JMenuItem](#) \_miPaste

**Visible :** true

**Initial value:** newJMenuItem( "Paste" )

**Multiplicity :** Unspecified

**Scope :** instance

private [BasicAction](#) \_action

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

**Operation Detail**

```
public EditorMenuBar(JThumbEditor editor)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : editor

**Type** : JThumbEditor

**Direction** : inout



**Class** BasicAction

**Documentation** : This class contains the basic actions of JthumbEditor. e.g Copy, Paste, Save, Close, Open ,etc.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Communicates link**

to [EditorToolBar](#)

to [EditorMenuBar](#)

#### Attribute Summary

private JThumbEditor	_editor
private Toolkit	_kit
private Clipboard	_clipboard

#### Operation Summary

public	BasicAction(JThumbEditor editor)
--------	----------------------------------

public void	actionPerformed(ActionEvent e)
private void	open()
private void	close()
private void	copy()
private void	paste()
private void	save()

### Attribute Detail

private [JThumbEditor](#) \_editor

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private [Toolkit](#) \_kit

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private [Clipboard](#) \_clipboard

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

### Operation Detail

public BasicAction([JThumbEditor](#) editor)

**Scope** : instance

**Is Query** : false

### Parameter Detail

**Name** : editor

**Type** : JThumbEditor

**Direction** : inout

```
public void actionPerformed(ActionEvent e)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : e

**Type** : ActionEvent

**Direction** : inout

```
private void open()
```

**Scope** : instance

**Is Query** : false

```
private void close()
```

**Scope** : instance

**Is Query** : false

```
private void copy()
```

**Scope** : instance

**Is Query** : false

```
private void paste()
```

**Scope** : instance

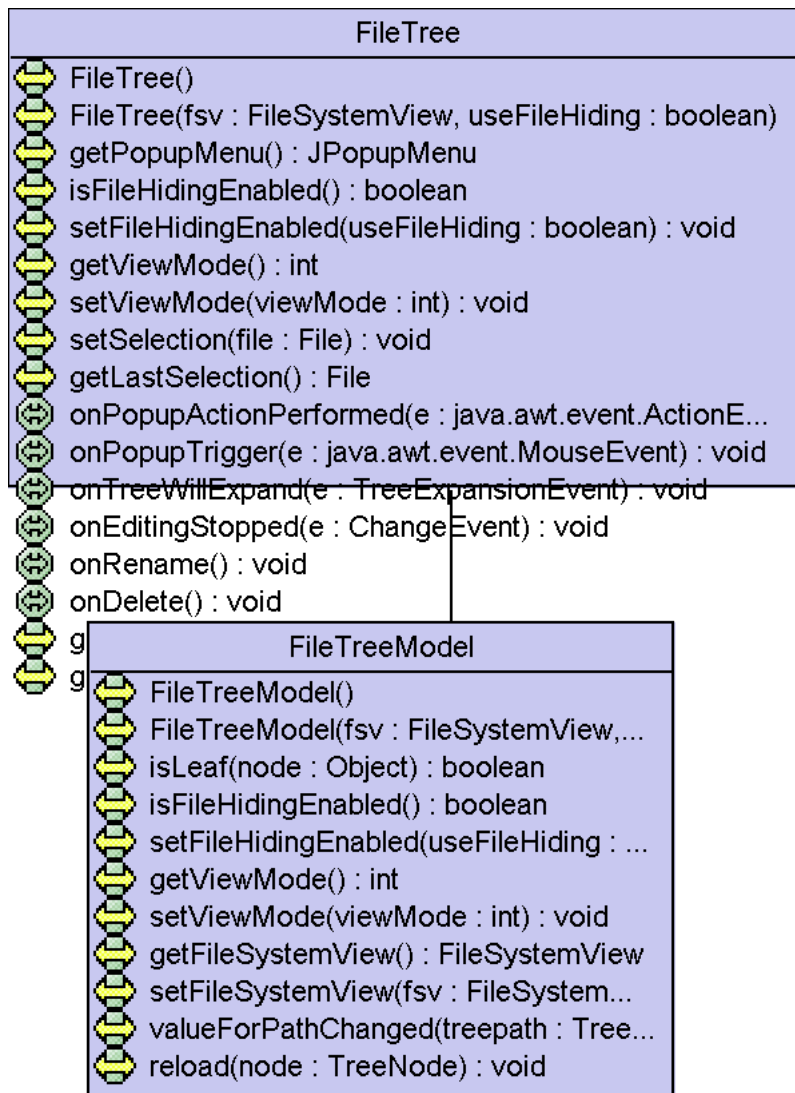
**Is Query** : false

```
private void save()
```

**Scope :** instance

**Is Query :** false

## FileTree



### Diagram Content Summary

- [FileTree](#)
- [FileTreeModel](#)

### Diagram Content Detail

**Class** FileTree

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : filetree

**Communicates link**

to [FileTreeModel](#)

to [JThumbnailerView](#)

Attribute Summary	
public int	DIRECTORIES_ONLY
public int	FILES_AND_DIRECTORIES
private JPopupMenu	_popupMenu
private File	_currentFile
private File	_previousFile
private File	_nextFile

Operation Summary	
public	FileTree()
public	FileTree(FileSystemView fsv,boolean useFileHiding)
public <a href="#">JPopupMenu</a>	getPopupMenu()
public <a href="#">boolean</a>	isFileHidingEnabled()
public <a href="#">void</a>	setFileHidingEnabled(boolean useFileHiding)
public <a href="#">int</a>	getViewMode()
public <a href="#">void</a>	setViewMode(int viewMode)
public <a href="#">void</a>	setSelection(File file)
public <a href="#">File</a>	getLastSelection()
private <a href="#">void</a>	onPopupActionPerformed(java.awt.event.ActionEvent e)
private <a href="#">void</a>	onPopupTrigger(java.awt.event.MouseEvent e)
private <a href="#">void</a>	onTreeWillExpand(TreeExpansionEvent e)
private <a href="#">void</a>	onEditingStopped(ChangeEvent e)
private <a href="#">void</a>	onRename()
private <a href="#">void</a>	onDelete()
public <a href="#">void</a>	goPrevious()
public <a href="#">void</a>	goNext()

### Attribute Detail

public [int](#) DIRECTORIES\_ONLY

**Visible :** true

**Initial value:** 0

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) FILES\_AND\_DIRECTORIES

**Visible :** true

**Initial value:** 1

**Multiplicity :** Unspecified

**Scope :** classifier

private [JPopupMenu](#) \_popupMenu

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [File](#) \_currentFile

**Visible :** true

**Initial value:** null

**Multiplicity :** Unspecified

**Scope :** instance

private [File](#) \_previousFile

**Visible :** true

**Initial value:** null

**Multiplicity :** Unspecified

**Scope :** instance

private [File](#) \_nextFile

**Visible** : true

**Initial value**: null

**Multiplicity** : Unspecified

**Scope** : instance

**Operation Detail**

```
public FileTree()
```

**Scope** : instance

**Is Query** : false

```
public FileTree(FileSystemView fsv,boolean useFileHiding)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : fsv

**Type** : FileSystemView

**Direction** : inout

**Name** : useFileHiding

**Type** : boolean

**Direction** : inout

```
public JPopupMenu getPopupMenu()
```

**Scope** : instance

**Is Query** : false

```
public boolean isFileHidingEnabled()
```

**Scope** : instance

**Is Query** : false

```
public void setFileHidingEnabled(boolean useFileHiding)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** useFileHiding

**Type :** boolean

**Direction :** inout

```
public int getViewMode()
```

**Scope :** instance

**Is Query :** false

```
public void setViewMode(int viewMode)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** viewMode

**Type :** int

**Direction :** inout

```
public void setSelection(File file)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** file

**Type :** File

**Direction :** inout

```
public File getLastSelection()
```

**Scope :** instance

**Is Query :** false

```
private void onPopupActionPerformed(java.awt.event.ActionEvent e)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** e

**Type :** java.awt.event.ActionEvent

**Direction :** inout

```
private void onPopupTrigger(java.awt.event.MouseEvent e)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** e

**Type :** java.awt.event.MouseEvent

**Direction :** inout

```
private void onTreeWillExpand(TreeExpansionEvent e)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** e

**Type :** TreeExpansionEvent

**Direction :** inout

```
private void onEditingStopped(ChangeEvent e)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** e

**Type :** ChangeEvent

**Direction :** inout

```
private void onRename()
```

**Scope :** instance

**Is Query :** false

```
private void onDelete()
```

**Scope :** instance

**Is Query :** false

```
public void goPrevious()
```

**Scope :** instance

**Is Query :** false

```
public void goNext()
```

**Scope :** instance

**Is Query :** false

**Class** FileTreeModel**Is Abstract** : false**Is Root** : false**Is Leaf** : false**Is Active** : false**Visibility** : public**Contained by** : filetree**Communicates link**to [FileTree](#)

Attribute Summary	
private FileSystemView	_fsv
private boolean	_useFileHiding
private int	_viewMode

Operation Summary	
public	FileTreeModel()
public	FileTreeModel(FileSystemView fsv,boolean useFileHiding)
public <b>boolean</b>	isLeaf(Object node)
public <b>boolean</b>	isFileHidingEnabled()
public <b>void</b>	setFileHidingEnabled(boolean useFileHiding)
public <b>int</b>	getViewMode()
public <b>void</b>	setViewMode(int viewMode)
public <b>FileSystemView</b>	getFileSystemView()
public <b>void</b>	setFileSystemView(FileSystemView fsv)
public <b>void</b>	valueForPathChanged(TreePath treepath,Object obj)
public <b>void</b>	reload(TreeNode node)

**Attribute Detail**private [FileSystemView](#) \_fsv**Visible** : true**Initial value:****Multiplicity** : Unspecified

**Scope** : instance

```
private boolean _useFileHiding
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private int _viewMode
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

**Operation Detail**

```
public FileTreeModel()
```

**Scope** : instance

**Is Query** : false

```
public FileTreeModel(FileSystemView fsv,boolean useFileHiding)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : fsv

**Type** : FileSystemView

**Direction** : inout

**Name** : useFileHiding

**Type** : boolean

**Direction** : inout

```
public boolean isLeaf(Object node)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : node

**Type** : Object

**Direction** : inout

```
public boolean isFileHidingEnabled()
```

**Scope** : instance

**Is Query** : false

```
public void setFileHidingEnabled(boolean useFileHiding)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : useFileHiding

**Type** : boolean

**Direction** : inout

```
public int getViewMode()
```

**Scope** : instance

**Is Query** : false

```
public void setViewMode(int viewMode)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : viewMode

**Type** : int

**Direction** : inout

```
public FileSystemView getFileSystemView()
```

**Scope** : instance

**Is Query** : false

```
public void setFileSystemView(FileSystemView fsv)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : fsv

**Type** : [FileSystemView](#)

**Direction** : inout

```
public void valueForPathChanged(TreePath treepath, Object obj)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : treepath

**Type** : [TreePath](#)

**Direction** : inout

**Name** : obj

**Type** : [Object](#)

**Direction** : inout

```
public void reload(TreeNode node)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : node

**Type** : TreeNode

**Direction** : inout

## FileView

### Diagram Content Summary



[JThumbnailerView](#)

[JThumbnailerCell](#)

[JThumbnailerViewModel](#)

### Diagram Content Detail



**Class** JThumbnailerView

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : fileview

#### Communicates link

to JThumbnailerCellEditor

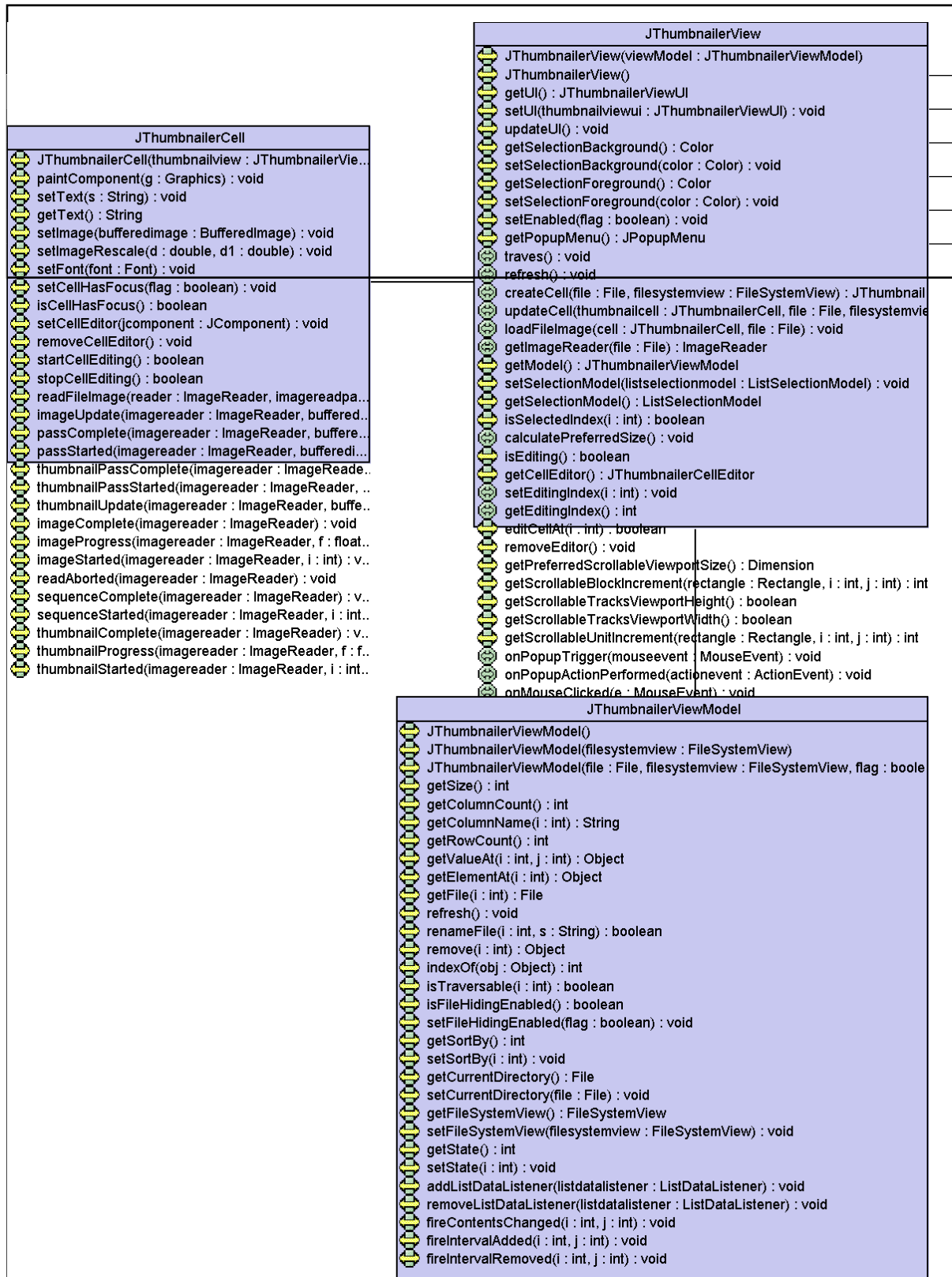
to [JThumbnailerViewModel](#)

to [FileTree](#)

to [JThumbnailerCell](#)

to JThumbnailerViewUI

Attribute Summary	
private PropertyChangeListener	propertyChangeListener
private FlowLayout	_flowLayout
private int	_columnCount
private JPopupMenu	_popupMenu
private ListSelectionModel	_selectionModel
private <a href="#">JThumbnailerViewModel</a>	_dataModel
private java.util.List	_jthumbCells
private java.util.List	_loadList



private CellEditor Action

setSelectionBackground

UML-Spec

JThumbnailerCellEditor

Operation Summary	
public	JThumbnailerView( <a href="#">JThumbnailerViewModel</a> viewModel)
public	JThumbnailerView()
public <a href="#">JThumbnailerViewUI</a>	getUI()
public void	setUI(JThumbnailerViewUI thumbnailviewui)
public void	updateUI()

public <a href="#">Color</a>	getSelectionBackground()
public void	setSelectionBackground( <a href="#">Color</a> color)
public <a href="#">Color</a>	getSelectionForeground()
public void	setSelectionForeground( <a href="#">Color</a> color)
public void	setEnabled(boolean flag)
public <a href="#">JPopupMenu</a>	getPopupMenu()
private void	traves()
private void	refresh()
private <a href="#">JThumbnailerCell</a>	createCell( <a href="#">File</a> file, <a href="#">FileSystemView</a> filesystemview)
private void	updateCell( <a href="#">JThumbnailerCell</a> thumbnailcell, <a href="#">File</a> file, <a href="#">FileSystemView</a> filesystemview)
private void	loadFileImage( <a href="#">JThumbnailerCell</a> cell, <a href="#">File</a> file)
private <a href="#">ImageReader</a>	getImageReader( <a href="#">File</a> file)
public <a href="#">JThumbnailerViewModel</a>	getModel()
public void	setSelectionModel( <a href="#">ListSelectionModel</a> listselectionmodel)
public <a href="#">ListSelectionModel</a>	getSelectionModel()
public boolean	isSelectedIndex(int i)
private void	calculatePreferredSize()
public boolean	isEditing()
public <a href="#">JThumbnailerCellEditor</a>	getCellEditor()
private void	setEditingIndex(int i)
private int	getEditingIndex()
public boolean	editCellAt(int i)
public void	removeEditor()
public <a href="#">Dimension</a>	getPreferredSize()
public int	getScrollableBlockIncrement( <a href="#">Rectangle</a> rectangle,int i,int j)
public boolean	getScrollableTracksViewportHeight()
public boolean	getScrollableTracksViewportWidth()
public int	getScrollableUnitIncrement( <a href="#">Rectangle</a> rectangle,int i,int j)
private void	onPopupTrigger( <a href="#">MouseEvent</a> mouseevent)
private void	onPopupActionPerformed( <a href="#">ActionEvent</a> actionevent)
private void	onMouseClicked( <a href="#">MouseEvent</a> e)
private void	onKeyPressed( <a href="#">KeyEvent</a> e)
private void	onContentsChanged( <a href="#">ListDataEvent</a> listdataevent)
private void	onIntervalAdded( <a href="#">ListDataEvent</a> listdataevent)
private void	onIntervalRemoved( <a href="#">ListDataEvent</a> listdataevent)
private void	onListSelectionChanged( <a href="#">ListSelectionEvent</a> listselectionevent)

---

## UML-Spec

---

private void	onEditingCanceled(ChangeEvent changeevent)
private void	onEditingStopped(ChangeEvent changeevent)
private void	onDelete()
private void	onShellDelete(JThumbnailerEvent shellevent)
public <a href="#">JThumbnailerViewModel</a>	getDataModel()
public void	r_setFileTree( <a href="#">FileTree</a> tree)

### Attribute Detail

```
private PropertyChangeListener propertyChangeListener
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

```
private FlowLayout _flowLayout
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

```
private int _columnCount
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

```
private JPopupMenu _popupMenu
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

```
private ListSelectionModel _selectionModel
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JThumbnailerViewModel _dataModel
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private java.util.List _jthumbCells
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private java.util.List _loadList
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JThumbnailerCellEditor _cellEditor
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private int _editingIndex
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope :** instance

private [Color](#) \_backGround

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [Color](#) \_selectionBackground

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [Color](#) \_selectionForeground

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [DeleteAction](#) shellDelete

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [FileTree](#) \_fileTree

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

**Operation Detail**

```
public JThumbnailerView(JThumbnailerViewModel viewModel)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : viewModel

**Type** : [JThumbnailerViewModel](#)

**Direction** : inout

```
public JThumbnailerView()
```

**Scope** : instance

**Is Query** : false

```
public JThumbnailerViewUI getUI()
```

**Scope** : instance

**Is Query** : false

```
public void setUI(JThumbnailerViewUI thumbnailviewui)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : thumbnailviewui

**Type** : [JThumbnailerViewUI](#)

**Direction** : inout

```
public void updateUI()
```

**Scope** : instance

**Is Query** : false

```
public Color getSelectionBackground()
```

**Scope** : instance

**Is Query** : false

```
public void setSelectionBackground(Color color)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : color

**Type** : Color

**Direction** : inout

```
public Color getSelectionForeground()
```

**Scope** : instance

**Is Query** : false

```
public void setSelectionForeground(Color color)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : color

**Type** : Color

**Direction** : inout

```
public void setEnabled(boolean flag)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : flag

**Type** : boolean

**Direction** : inout

```
public JPopupMenu getPopupMenu()
```

**Scope** : instance

**Is Query** : false

```
private void traves()
```

**Scope** : instance

**Is Query** : false

```
private void refresh()
```

**Scope** : instance

**Is Query** : false

```
private JThumbnailerCell createCell(File file,FileSystemView filesystemview)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : file

**Type** : File

**Direction** : inout

**Name** : filesystemview

**Type** : FileSystemView

**Direction** : inout

```
private void updateCell(JThumbnailerCell thumbnailcell,File file,FileSystemView filesystemview)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : thumbnailcell

**Type** : [JThumbnailerCell](#)

**Direction** : inout

**Name** : file

**Type** : File

**Direction** : inout

**Name** : filesystemview

**Type** : FileSystemView

**Direction** : inout

```
private void loadFileImage(JThumbnailerCell cell,File file)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : cell

**Type** : [JThumbnailerCell](#)

**Direction** : inout

**Name** : file

**Type** : File

**Direction** : inout

```
private ImageReader getImageReader(File file)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : file

**Type** : File

**Direction** : inout

```
public JThumbnailerViewModel getModel()
```

**Scope** : instance

**Is Query** : false

```
public void setSelectionModel(ListSelectionModel listselectionmodel)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : listselectionmodel

**Type** : ListSelectionModel

**Direction** : inout

```
public ListSelectionModel getSelectionModel()
```

**Scope** : instance

**Is Query** : false

```
public boolean isSelectedIndex(int i)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : i  
**Type** : int  
**Direction** : inout

```
private void calculatePreferredSize()
```

**Scope** : instance  
**Is Query** : false

```
public boolean isEditing()
```

**Scope** : instance  
**Is Query** : false

```
public JThumbnailerCellEditor getCellEditor()
```

**Scope** : instance  
**Is Query** : false

```
private void setEditingIndex(int i)
```

**Scope** : instance  
**Is Query** : false

#### Parameter Detail

**Name** : i  
**Type** : int  
**Direction** : inout

```
private int getEditingIndex()
```

**Scope** : instance  
**Is Query** : false

```
public boolean editCellAt(int i)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** i

**Type :** int

**Direction :** inout

```
public void removeEditor()
```

**Scope :** instance

**Is Query :** false

```
public Dimension getPreferredSize()
```

**Scope :** instance

**Is Query :** false

```
public int getScrollableBlockIncrement(Rectangle rectangle,int i,int j)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** rectangle

**Type :** Rectangle

**Direction :** inout

**Name :** i

**Type :** int

**Direction :** inout

**Name** : j  
**Type** : int  
**Direction** : inout

```
public boolean getScrollableTracksViewportHeight()
```

**Scope** : instance  
**Is Query** : false

```
public boolean getScrollableTracksViewportWidth()
```

**Scope** : instance  
**Is Query** : false

```
public int getScrollableUnitIncrement(Rectangle rectangle,int i,int j)
```

**Scope** : instance  
**Is Query** : false

#### Parameter Detail

**Name** : rectangle  
**Type** : Rectangle  
**Direction** : inout

**Name** : i  
**Type** : int  
**Direction** : inout

**Name** : j  
**Type** : int  
**Direction** : inout

```
private void onPopupTrigger(MouseEvent mouseevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : mouseevent

**Type** : MouseEvent

**Direction** : inout

```
private void onPopupActionPerformed(ActionEvent actionevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : actionevent

**Type** : ActionEvent

**Direction** : inout

```
private void onMouseClicked(MouseEvent e)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : e

**Type** : MouseEvent

**Direction** : inout

```
private void onKeyPressed(KeyEvent e)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : e

**Type** : KeyEvent

**Direction** : inout

```
private void onContentsChanged(ListDataEvent listdataevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : listdataevent

**Type** : ListDataEvent

**Direction** : inout

```
private void onIntervalAdded(ListDataEvent listdataevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : listdataevent

**Type** : ListDataEvent

**Direction** : inout

```
private void onIntervalRemoved(ListDataEvent listdataevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : listdataevent

**Type** : ListDataEvent

**Direction** : inout

```
private void onListSelectionChanged(ListSelectionEvent listselectionevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : listselectionevent

**Type** : ListSelectionEvent

**Direction** : inout

```
private void onEditingCanceled(ChangeEvent changeevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : changeevent

**Type** : ChangeEvent

**Direction** : inout

```
private void onEditingStopped(ChangeEvent changeevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : changeevent

**Type** : ChangeEvent

**Direction** : inout

```
private void onDelete()
```

**Scope** : instance

**Is Query** : false

```
private void onShellDelete(JThumbnailerEvent shellevent)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : shellevent

**Type** : JThumbnailerEvent

**Direction** : inout

```
public JThumbnailerViewModel getDataModel()
```

**Scope** : instance

**Is Query** : false

```
public void r_setFileTree(FileTree tree)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : tree

**Type** : [FileTree](#)

**Direction** : inout



```
Class JThumbnailerCell
```

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : fileview

**Communicates link**

to ImagePane

to [JThumbnailerView](#)

Attribute Summary	
private JLabel	_label
private ImagePane	_imagePane
private JComponent	_editor
private boolean	_cellHasFocus
private boolean	_editing
private <a href="#">JThumbnailerView</a>	_thumbnailView

Operation Summary	
public	JThumbnailerCell( <a href="#">JThumbnailerView</a> thumbnailview)
public void	paintComponent(Graphics g)
public void	setText(String s)
public String	getText()
public void	setImage(BufferedImage bufferedimage)
public void	setImageRescale(double d,double d1)
public void	setFont(Font font)
public void	setCellHasFocus(boolean flag)
public boolean	isCellHasFocus()
public void	setCellEditor(JComponent jcomponent)
public void	removeCellEditor()
public boolean	startCellEditing()
public boolean	stopCellEditing()
public void	readFileImage(ImageReader reader,ImageReadParam imagereadparam)
public void	imageUpdate(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,int k,int l,int i1,int j1,int ai[])
public void	passComplete(ImageReader imagereader,BufferedImage bufferedimage)
public void	passStarted(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,int k,int l,int i1,int j1,int k1,int ai[])
public void	thumbnailPassComplete(ImageReader imagereader,BufferedImage bufferedimage)
public void	thumbnailPassStarted(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,int k,int l,int i1,int j1,int k1,int ai[])
public void	thumbnailUpdate(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,int k,int l,int i1,int j1,int ai[])
public void	imageComplete(ImageReader imagereader)

---

## UML-Spec

---

public void	imageProgress(ImageReader imagereader,float f)
public void	imageStarted(ImageReader imagereader,int i)
public void	readAborted(ImageReader imagereader)
public void	sequenceComplete(ImageReader imagereader)
public void	sequenceStarted(ImageReader imagereader,int i)
public void	thumbnailComplete(ImageReader imagereader)
public void	thumbnailProgress(ImageReader imagereader,float f)
public void	thumbnailStarted(ImageReader imagereader,int i,int j)

### Attribute Detail

private JLabel \_label

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private ImagePane \_imagePane

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private JComponent \_editor

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private boolean \_cellHasFocus

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

```
private boolean _editing
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

```
private JThumbnailerView _thumbnailView
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

**Operation Detail**

```
public JThumbnailerCell(JThumbnailerView thumbnailview)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** thumbnailview

**Type :** [JThumbnailerView](#)

**Direction :** inout

```
public void paintComponent(Graphics g)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** g

**Type :** Graphics

**Direction :** inout

```
public void setText(String s)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : s

**Type** : String

**Direction** : inout

```
public String getText()
```

**Scope** : instance

**Is Query** : false

```
public void setImage(BufferedImage bufferedimage)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : bufferedimage

**Type** : BufferedImage

**Direction** : inout

```
public void setImageRescale(double d,double d1)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : d

**Type** : double

**Direction** : inout

**Name** : d1

**Type** : double

**Direction :** inout

```
public void setFont(Font font)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** font

**Type :** Font

**Direction :** inout

```
public void setCellHasFocus(boolean flag)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** flag

**Type :** boolean

**Direction :** inout

```
public boolean isCellHasFocus()
```

**Scope :** instance

**Is Query :** false

```
public void setCellEditor(JComponent jcomponent)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** jcomponent

**Type** : JComponent

**Direction** : inout

```
public void removeCellEditor()
```

**Scope** : instance

**Is Query** : false

```
public boolean startCellEditing()
```

**Scope** : instance

**Is Query** : false

```
public boolean stopCellEditing()
```

**Scope** : instance

**Is Query** : false

```
public void readFileImage(ImageReader reader,ImageReadParam imagereadparam)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : reader

**Type** : ImageReader

**Direction** : inout

**Name** : imagereadparam

**Type** : ImageReadParam

**Direction** : inout

```
public void imageUpdate(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,int k,int l,
```

int i1,int j1,int ai[])

---

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : bufferedimage

**Type** : BufferedImage

**Direction** : inout

**Name** : i

**Type** : int

**Direction** : inout

**Name** : j

**Type** : int

**Direction** : inout

**Name** : k

**Type** : int

**Direction** : inout

**Name** : l

**Type** : int

**Direction** : inout

**Name** : i1

**Type** : int

**Direction** : inout

**Name** : j1

**Type** : int

**Direction** : inout

**Name** : ai[]  
**Type** : int  
**Direction** : inout

```
public void passComplete(ImageReader imagereader,BufferedImage bufferedimage)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader  
**Type** : ImageReader  
**Direction** : inout

**Name** : bufferedimage  
**Type** : BufferedImage  
**Direction** : inout

```
public void passStarted(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,int k,int l,  
int i1,int j1,int k1,int ai[])
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader  
**Type** : ImageReader  
**Direction** : inout

**Name** : bufferedimage  
**Type** : BufferedImage  
**Direction** : inout

**Name** : i  
**Type** : int  
**Direction** : inout

**Name** : j  
**Type** : int  
**Direction** : inout

**Name** : k  
**Type** : int  
**Direction** : inout

**Name** : l  
**Type** : int  
**Direction** : inout

**Name** : i1  
**Type** : int  
**Direction** : inout

**Name** : j1  
**Type** : int  
**Direction** : inout

**Name** : k1  
**Type** : int  
**Direction** : inout

**Name** : ai[]  
**Type** : int  
**Direction** : inout

```
public void thumbnailPassComplete(ImageReader imagereader,BufferedImage bufferedimage)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : bufferedimage

**Type** : BufferedImage

**Direction** : inout

```
public void thumbnailPassStarted(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,  
int k,int l,int i1,int j1,int k1,int ai[])
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : bufferedimage

**Type** : BufferedImage

**Direction** : inout

**Name** : i

**Type** : int

**Direction** : inout

**Name** : j

**Type** : int

**Direction** : inout

**Name** : k

**Type** : int

**Direction** : inout

**Name** : l

**Type** : int

**Direction** : inout

**Name** : i1  
**Type** : int  
**Direction** : inout

**Name** : j1  
**Type** : int  
**Direction** : inout

**Name** : k1  
**Type** : int  
**Direction** : inout

**Name** : ai[]  
**Type** : int  
**Direction** : inout

```
public void thumbnailUpdate(ImageReader imagereader,BufferedImage bufferedimage,int i,int j,int k,  
int l,int i1,int j1,int ai[])
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader  
**Type** : ImageReader  
**Direction** : inout

**Name** : bufferedimage  
**Type** : BufferedImage  
**Direction** : inout

**Name** : i  
**Type** : int  
**Direction** : inout

**Name** : j  
**Type** : int

**Direction** : inout

**Name** : k

**Type** : int

**Direction** : inout

**Name** : l

**Type** : int

**Direction** : inout

**Name** : i1

**Type** : int

**Direction** : inout

**Name** : j1

**Type** : int

**Direction** : inout

**Name** : ai[]

**Type** : int

**Direction** : inout

```
public void imageComplete(ImageReader imagereader)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

```
public void imageProgress(ImageReader imagereader,float f)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : f

**Type** : float

**Direction** : inout

```
public void imageStarted(ImageReader imagereader,int i)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : i

**Type** : int

**Direction** : inout

```
public void readAborted(ImageReader imagereader)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

```
public void sequenceComplete(ImageReader imagereader)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

```
public void sequenceStarted(ImageReader imagereader,int i)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : i

**Type** : int

**Direction** : inout

```
public void thumbnailComplete(ImageReader imagereader)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

```
public void thumbnailProgress(ImageReader imagereader,float f)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : f

**Type** : float

**Direction** : inout

```
public void thumbnailStarted(ImageReader imagereader,int i,int j)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : imagereader

**Type** : ImageReader

**Direction** : inout

**Name** : i

**Type** : int

**Direction** : inout

**Name** : j

**Type** : int

**Direction** : inout



**Class** JThumbnailerViewModel

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : `fileview`

**Communicates link**

to [JThumbnailerView](#)

Attribute Summary	
public int	ALL_INDEX
public int	NAME
public int	SIZE
public int	TYPE
public int	MODIFIED
public int	BROWSE
public int	EDIT
public int	DELETE
protected String	columnNames
protected List	data
protected EventListenerList	listDataListeners
protected FileSystemView	fsv
protected boolean	useFileHiding
protected int	sortBy
protected int	state
protected File	directory

Operation Summary	
public	JThumbnailerViewModel()
public	JThumbnailerViewModel(FileSystemView filesystemview)
public	JThumbnailerViewModel(File file,FileSystemView filesystemview, boolean flag,int i)
public int	getSize()
public int	getColumnCount()
public String	getColumnName(int i)
public int	getRowCount()
public Object	getValueAt(int i,int j)
public Object	getElementAt(int i)
public File	getFile(int i)
public void	refresh()
public boolean	renameFile(int i,String s)
public Object	remove(int i)
public int	indexOf(Object obj)

public <a href="#">boolean</a>	isTraversable(int i)
public <a href="#">boolean</a>	isFileHidingEnabled()
public <a href="#">void</a>	setFileHidingEnabled(boolean flag)
public <a href="#">int</a>	getSortBy()
public <a href="#">void</a>	setSortBy(int i)
public <a href="#">File</a>	getCurrentDirectory()
public <a href="#">void</a>	setCurrentDirectory(File file)
public <a href="#">FileSystemView</a>	getFileSystemView()
public <a href="#">void</a>	setFileSystemView(FileSystemView filesystemview)
public <a href="#">int</a>	getState()
public <a href="#">void</a>	setState(int i)
public <a href="#">void</a>	addListDataListener(ListDataListener listdatalistener)
public <a href="#">void</a>	removeListDataListener(ListDataListener listdatalistener)
public <a href="#">void</a>	fireContentsChanged(int i,int j)
public <a href="#">void</a>	fireIntervalAdded(int i,int j)
public <a href="#">void</a>	fireIntervalRemoved(int i,int j)

#### Attribute Detail

public [int](#) ALL\_INDEX

**Visible :** true

**Initial value:** -1

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) NAME

**Visible :** true

**Initial value:** 0

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) SIZE

**Visible :** true

**Initial value:** 1

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) TYPE

**Visible :** true

**Initial value:** 2

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) MODIFIED

**Visible :** true

**Initial value:** 3

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) BROWSE

**Visible :** true

**Initial value:** 0

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) EDIT

**Visible :** true

**Initial value:** 1

**Multiplicity :** Unspecified

**Scope :** classifier

public [int](#) DELETE

**Visible :** true

**Initial value:** 2

**Multiplicity :** Unspecified

**Scope :** classifier

protected [String](#) columnNames

**Visible** : true

**Initial value:** {"Name", "Size", "Type", "Modified" }

**Multiplicity** : Unspecified

**Scope** : instance

protected [List](#) data

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

protected [EventListenerList](#) listDataListeners

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

protected [FileSystemView](#) fsv

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

protected [boolean](#) useFileHiding

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

protected [int](#) sortBy

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope :** instance

protected [int](#) state

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

protected [File](#) directory

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

**Operation Detail**

public JThumbnailerViewModel()

**Scope :** instance

**Is Query :** false

public JThumbnailerViewModel(FileSystemView filesystemview)

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** filesystemview

**Type :** FileSystemView

**Direction :** inout

public JThumbnailerViewModel(File file,FileSystemView filesystemview,boolean flag,int i)

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name** : file  
**Type** : File  
**Direction** : inout

**Name** : filesystemview  
**Type** : FileSystemView  
**Direction** : inout

**Name** : flag  
**Type** : boolean  
**Direction** : inout

**Name** : i  
**Type** : int  
**Direction** : inout

```
public int getSize()
```

**Scope** : instance  
**Is Query** : false

```
public int getColumnCount()
```

**Scope** : instance  
**Is Query** : false

```
public String getColumnName(int i)
```

**Scope** : instance  
**Is Query** : false

**Parameter Detail**

**Name** : i

**Type** : int  
**Direction** : inout

```
public int getRowCount()
```

**Scope** : instance  
**Is Query** : false

```
public Object getValueAt(int i,int j)
```

**Scope** : instance  
**Is Query** : false

#### Parameter Detail

**Name** : i  
**Type** : int  
**Direction** : inout

**Name** : j  
**Type** : int  
**Direction** : inout

```
public Object getElementAt(int i)
```

**Scope** : instance  
**Is Query** : false

#### Parameter Detail

**Name** : i  
**Type** : int  
**Direction** : inout

```
public File getFile(int i)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : i

**Type** : int

**Direction** : inout

```
public void refresh()
```

**Scope** : instance

**Is Query** : false

```
public boolean renameFile(int i,String s)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : i

**Type** : int

**Direction** : inout

**Name** : s

**Type** : String

**Direction** : inout

```
public Object remove(int i)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : i

**Type** : int

**Direction :** inout

```
public int indexOf(Object obj)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** obj

**Type :** Object

**Direction :** inout

```
public boolean isTraversable(int i)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** i

**Type :** int

**Direction :** inout

```
public boolean isFileHidingEnabled()
```

**Scope :** instance

**Is Query :** false

```
public void setFileHidingEnabled(boolean flag)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** flag

**Type** : boolean  
**Direction** : inout

public **int** getSortBy()

**Scope** : instance  
**Is Query** : false

public **void** setSortBy(int i)

**Scope** : instance  
**Is Query** : false

**Parameter Detail**

**Name** : i  
**Type** : int  
**Direction** : inout

public **File** getCurrentDirectory()

**Scope** : instance  
**Is Query** : false

public **void** setCurrentDirectory(File file)

**Scope** : instance  
**Is Query** : false

**Parameter Detail**

**Name** : file  
**Type** : File  
**Direction** : inout

```
public FileSystemView getFileSystemView()
```

**Scope :** instance

**Is Query :** false

```
public void setFileSystemView(FileSystemView filesystemview)
```

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** filesystemview

**Type :** [FileSystemView](#)

**Direction :** inout

```
public int getState()
```

**Scope :** instance

**Is Query :** false

```
public void setState(int i)
```

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** i

**Type :** [int](#)

**Direction :** inout

```
public void addListDataListener(ListDataListener listdatalistener)
```

**Scope :** instance

**Is Query** : false

**Parameter Detail**

**Name** : listdatalistener

**Type** : ListDataListener

**Direction** : inout

```
public void removeListDataListener(ListDataListener listdatalistener)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : listdatalistener

**Type** : ListDataListener

**Direction** : inout

```
public void fireContentsChanged(int i,int j)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : i

**Type** : int

**Direction** : inout

**Name** : j

**Type** : int

**Direction** : inout

```
public void fireIntervalAdded(int i,int j)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : i  
**Type** : int  
**Direction** : inout

**Name** : j  
**Type** : int  
**Direction** : inout

```
public void fireIntervalRemoved(int i,int j)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : i  
**Type** : int  
**Direction** : inout

**Name** : j  
**Type** : int  
**Direction** : inout

html

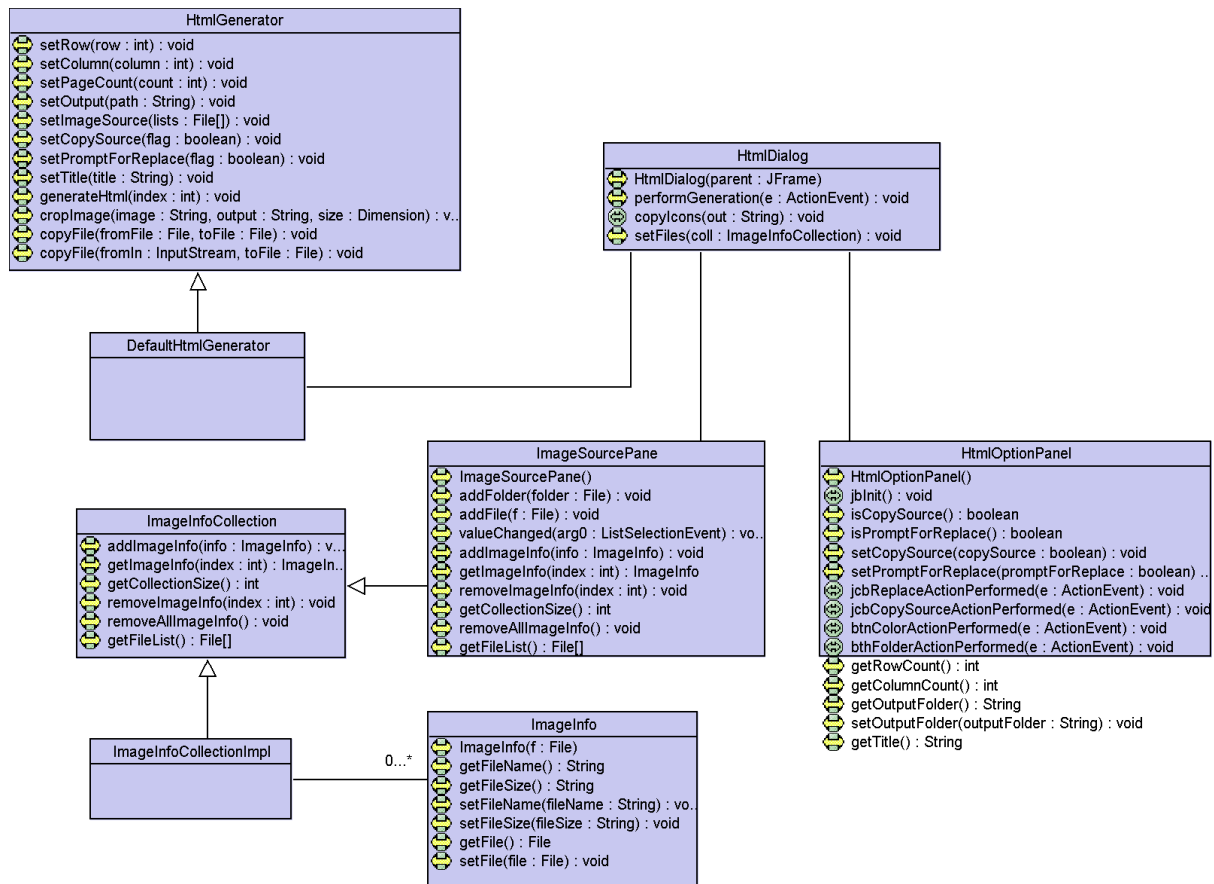


Diagram Content Summary

- [HtmlGenerator](#)
- [DefaultHtmlGenerator](#)
- [HtmlDialog](#)
- [ImageSourcePane](#)
- [HtmlOptionPanel](#)
- [ImageInfo](#)
- [ImageInfoCollection](#)
- [ImageInfoCollectionImpl](#)

Diagram Content Detail

**Class** HtmlGenerator

**Documentation :** This is an interface that define the abstract methods for generating html pages.

**Is Abstract :** false

**Is Root :** false

**Is Leaf :** false

**Is Active :** false

**Visibility :** public

**Contained by :** html

**Generalized by:**

[DefaultHtmlGenerator](#)

Operation Summary	
public void	setRow(int row)
public void	setColumn(int column)
public void	setPageCount(int count)
public void	setOutput(String path)
public void	setImageSource(File[] lists)
public void	setCopySource(boolean flag)
public void	setPromptForReplace(boolean flag)
public void	setTitle(String title)
public void	generateHtml(int index)
public void	cropImage(String image,String output,Dimension size)
public void	copyFile(File fromFile,File toFile)
public void	copyFile(InputStream fromIn,File toFile)

**Operation Detail**

public void setRow(int row)

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** row

**Type :** int

**Direction :** inout

```
public void setColumn(int column)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** column

**Type :** int

**Direction :** inout

```
public void setPageCount(int count)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** count

**Type :** int

**Direction :** inout

```
public void setOutput(String path)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** path

**Type :** String

**Direction :** inout

```
public void setImageSource(File[] lists)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : lists

**Type** : File[]

**Direction** : inout

```
public void setCopySource(boolean flag)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : flag

**Type** : boolean

**Direction** : inout

```
public void setPromptForReplace(boolean flag)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : flag

**Type** : boolean

**Direction** : inout

```
public void setTitle(String title)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : title

**Type** : String  
**Direction** : inout

```
public void generateHtml(int index)
```

**Scope** : instance  
**Is Query** : false

**Parameter Detail**

**Name** : index  
**Type** : int  
**Direction** : inout

```
public void cropImage(String image,String output,Dimension size)
```

**Scope** : instance  
**Is Query** : false

**Parameter Detail**

**Name** : image  
**Type** : String  
**Direction** : inout

**Name** : output  
**Type** : String  
**Direction** : inout

**Name** : size  
**Type** : Dimension  
**Direction** : inout

```
public void copyFile(File fromFile,File toFile)
```

**Scope** : instance  
**Is Query** : false

#### Parameter Detail

**Name** : fromFile

**Type** : File

**Direction** : inout

**Name** : toFile

**Type** : File

**Direction** : inout

```
public void copyFile(InputStream fromIn,File toFile)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : fromIn

**Type** : InputStream

**Direction** : inout

**Name** : toFile

**Type** : File

**Direction** : inout



**Class** DefaultHtmlGenerator

#### Generalization Hierarchy

HtmlGenerator

|

+--DefaultHtmlGenerator

**Documentation** : This class is the default html generator.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : `html`

**Generalized from:**

[HtmlGenerator](#)

**Communicates link**

to [HtmlDialog](#)

Attribute Summary	
private int	_row
private int	_column
private int	_pageCount
private File	_imageSource
private String	_output
private String	_title
private boolean	_copySource
private boolean	_promptForReplace
private BufferedImage	_bi
private Graphics2D	_g2d
private Image	_img

Operation Summary	
public void	setColumn(int column)
public void	setCopySource(boolean copySource)
public void	setImageSource(File[] imageSource)
public void	setOutput(String output)
public void	setPageCount(int pageCount)
public void	setPromptForReplace(boolean promptForReplace)
public void	setRow(int row)
public void	setTitle(String title)
public void	generateHtml(int index)
private String	getHeader(String title)
private String	getNavigation(int index,int pages)
private String	getTail()
private String	getMainTable(int row,int column,int page_index,Dimension size,File[] lists)
private String	getThumbnailerTD(String img,Dimension size)
private String	getThumbnailerDetailTD(String img)
public void	cropImage(String image,String output,Dimension size)
public void	copyFile(File fromFile,File toFile)

public void	copyFile(InputStream fromIn,File toFile)
-------------	--

#### Attribute Detail

private int _row
------------------

**Visible :** true

**Initial value:** 0

**Multiplicity :** Unspecified

**Scope :** instance

private int _column
---------------------

**Visible :** true

**Initial value:** 0

**Multiplicity :** Unspecified

**Scope :** instance

private int _pageCount
------------------------

**Visible :** true

**Initial value:** 0

**Multiplicity :** Unspecified

**Scope :** instance

private File _imageSource
---------------------------

**Visible :** true

**Initial value:** null

**Multiplicity :** Unspecified

**Scope :** instance

private String _output
------------------------

**Visible :** true

**Initial value:** " "

**Multiplicity :** Unspecified

**Scope :** instance

private [String](#) \_title

**Visible :** true

**Initial value:** " "

**Multiplicity :** Unspecified

**Scope :** instance

private [boolean](#) \_copySource

**Visible :** true

**Initial value:** true

**Multiplicity :** Unspecified

**Scope :** instance

private [boolean](#) \_promptForReplace

**Visible :** true

**Initial value:** true

**Multiplicity :** Unspecified

**Scope :** instance

private [BufferedImage](#) \_bi

**Visible :** true

**Initial value:** null

**Multiplicity :** Unspecified

**Scope :** instance

private [Graphics2D](#) \_g2d

**Visible :** true

**Initial value:** null

**Multiplicity :** Unspecified

**Scope :** instance

private [Image](#) \_img

**Visible** : true

**Initial value**: null

**Multiplicity** : Unspecified

**Scope** : instance

**Operation Detail**

```
public void setColumn(int column)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : column

**Type** : int

**Direction** : inout

```
public void setCopySource(boolean copySource)
```

**Documentation** : Sets the copySource.

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : copySource

**Type** : boolean

**Documentation** : The copySource to set

**Direction** : inout

```
public void setImageSource(File[] imageSource)
```

**Documentation** : Sets the imageSource.

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : imageSource

**Type** : File[]

**Documentation** : The imageSource to set

**Direction** : inout

```
public void setOutput(String output)
```

**Documentation** : Sets the output.

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : output

**Type** : String

**Documentation** : The output to set

**Direction** : inout

```
public void setPageCount(int pageCount)
```

**Documentation** : Sets the pageCount.

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : pageCount

**Type** : int

**Documentation** : The pageCount to set

**Direction** : inout

```
public void setPromptForReplace(boolean promptForReplace)
```

**Documentation** : Sets the promptForReplace.

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : promptForReplace

**Type** : boolean

**Documentation** : The promptForReplace to set

**Direction** : inout

```
public void setRow(int row)
```

**Documentation** : Sets the row.

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : row

**Type** : int

**Documentation** : The row to set

**Direction** : inout

```
public void setTitle(String title)
```

**Documentation** : Sets the title.

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : title

**Type** : String

**Documentation** : The title to set

**Direction** : inout

```
public void generateHtml(int index)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : index  
**Type** : int  
**Direction** : inout

```
private String getHeader(String title)
```

**Scope** : instance  
**Is Query** : false

**Parameter Detail**

**Name** : title  
**Type** : String  
**Direction** : inout

```
private String getNavigation(int index,int pages)
```

**Scope** : instance  
**Is Query** : false

**Parameter Detail**

**Name** : index  
**Type** : int  
**Direction** : inout

**Name** : pages  
**Type** : int  
**Direction** : inout

```
private String getTail()
```

**Scope** : instance  
**Is Query** : false

```
private String getMainTable(int row,int column,int page_index,Dimension size,File[] lists)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : row

**Type** : int

**Direction** : inout

**Name** : column

**Type** : int

**Direction** : inout

**Name** : page\_index

**Type** : int

**Direction** : inout

**Name** : size

**Type** : Dimension

**Direction** : inout

**Name** : lists

**Type** : File[]

**Direction** : inout

```
private String getThumbnailerTD(String img,Dimension size)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : img

**Type** : String

**Direction** : inout

**Name** : size

**Type** : Dimension

**Direction** : inout

```
private String getThumbnailerDetailTD(String img)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** img

**Type :** String

**Direction :** inout

```
public void cropImage(String image,String output,Dimension size)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** image

**Type :** String

**Direction :** inout

**Name :** output

**Type :** String

**Direction :** inout

**Name :** size

**Type :** Dimension

**Direction :** inout

```
public void copyFile(File fromFile,File toFile)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name** : fromFile

**Type** : File

**Direction** : inout

**Name** : toFile

**Type** : File

**Direction** : inout

```
public void copyFile(InputStream fromIn,File toFile)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : fromIn

**Type** : InputStream

**Direction** : inout

**Name** : toFile

**Type** : File

**Direction** : inout



#### Class HtmlDialog

**Documentation** : This is a dialog that gets information from user.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : html

#### Communicates link

to [DefaultHtmlGenerator](#)

to [ImageSourcePane](#)

to [HtmlOptionPanel](#)

#### Attribute Summary

private JTabbedPane	_tapPane
private HtmlOptionPanel	_optionPane
private ImageSourcePane	_sourcePane
private JPanel	_buttonPane
private JButton	_btnOk
private JButton	_btnCancel
private File	_imageSource
private HtmlGenerator	_generator
private String	_out
private JProgressBar	_progressBar

Operation Summary	
public	HtmlDialog(JFrame parent)
public void	performGeneration(ActionEvent e)
private void	copyIcons(String out)
public void	setFiles(ImageInfoCollection coll)

#### Attribute Detail

private [JTabbedPane](#) \_tapPane

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [HtmlOptionPanel](#) \_optionPane

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [ImageSourcePane](#) \_sourcePane

**Visible :** true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private [JPanel](#) \_buttonPane

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private [JButton](#) \_btnOk

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private [JButton](#) \_btnCancel

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private [File](#) \_imageSource

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

private [HtmlGenerator](#) \_generator

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private String _out
```

**Visible :** true

**Initial value:** " "

**Multiplicity :** Unspecified

**Scope :** instance

```
private JProgressBar _progressBar
```

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

**Operation Detail**

```
public HtmlDialog(JFrame parent)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** parent

**Type :** JFrame

**Direction :** inout

```
public void performGeneration(ActionEvent e)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** e

**Type :** ActionEvent

**Direction :** inout

```
private void copyIcons(String out)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : out

**Type** : String

**Direction** : inout

```
public void setFiles(ImageInfoCollection coll)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : coll

**Type** : ImageInfoCollection

**Direction** : inout



**Class** ImageSourcePane

**Generalization Hierarchy**

ImageInfoCollection

|

+--ImageSourcePane

**Documentation** : This class contains a jTable to collect the files path. User could choose to add folder, file or remove all.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : html

**Realization:**

[ImageInfoCollection](#)

**Generalized from:**

[ImageInfoCollection](#)

**Communicates link**to [HtmlDialog](#)

Attribute Summary	
private JTable	_sourceTable
private JScrollPane	_tableScroll
private JPanel	_leftPane
private JPanel	_rightPane
private JPanel	_buttonPane
private ImagePreview	_previewPane
private JButton	_btnAddFile
private JButton	_btnAddFolder
private JButton	_btnClear
private JCheckBox	_jcbShowPreview
private SourceTableModel	_tableModel

Operation Summary	
public	ImageSourcePane()
public void	addFolder(File folder)
public void	addFile(File f)
public void	valueChanged(ListSelectionEvent arg0)
public void	addImageInfo( <a href="#">ImageInfo</a> info)
public <a href="#">ImageInfo</a>	getImageInfo(int index)
public void	removeImageInfo(int index)
public int	getCollectionSize()
public void	removeAllImageInfo()
public <a href="#">File</a> []	getFileList()

**Attribute Detail**

private <a href="#">JTable</a> _sourceTable
---

**Visible** : true**Initial value**:**Multiplicity** : Unspecified**Scope** : instance

private [JScrollPane](#) \_tableScroll

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [JPanel](#) \_leftPane

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [JPanel](#) \_rightPane

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [JPanel](#) \_buttonPane

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [ImagePreview](#) \_previewPane

**Visible :** true

**Initial value:**

**Multiplicity :** Unspecified

**Scope :** instance

private [JButton](#) \_btnAddFile

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JButton _btnAddFolder
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JButton _btnClear
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JCheckBox _jcbShowPreview
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private SourceTableModel _tableModel
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

**Operation Detail**

```
public ImageSourcePane()
```

**Scope** : instance

**Is Query** : false

```
public void addFolder(File folder)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** folder

**Type :** File

**Direction :** inout

```
public void addFile(File f)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** f

**Type :** File

**Direction :** inout

```
public void valueChanged(ListSelectionEvent arg0)
```

**Scope :** instance

**Is Query :** false

**Parameter Detail**

**Name :** arg0

**Type :** ListSelectionEvent

**Direction :** inout

```
public void addImageInfo(ImageInfo info)
```

**Documentation :** @see

`jthumbnailer.html.ImageInfoCollection#addImageInfo(jthumbnailer.html.ImageInfo)`

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : info

**Type** : [ImageInfo](#)

**Direction** : inout

```
public ImageInfo getImageInfo(int index)
```

**Documentation** : @see `jthumbnailer.html.ImageInfoCollection#getImageInfo(int)`

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : index

**Type** : int

**Direction** : inout

```
public void removeImageInfo(int index)
```

**Documentation** : @see

`jthumbnailer.html.ImageInfoCollection#removeImageInfo(int)`

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : index

**Type** : int

**Direction** : inout

```
public int getCollectionSize()
```

**Documentation** : @see

`jthumbnailer.html.ImageInfoCollection#getImageInfoSize()`

**Scope** : instance

**Is Query** : false

```
public void removeAllImageInfo()
```

**Documentation** : @see

jthumbnailer.html.ImageInfoCollection#removeAllImageInfo()

**Scope** : instance

**Is Query** : false

```
public File[] getFileList()
```

**Documentation** : @see jthumbnailer.html.ImageInfoCollection#getFileList()

**Scope** : instance

**Is Query** : false



### Class HtmlOptionPanel

**Documentation** : A JPanel that capture users option.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : html

**Communicates link**

to [HtmlDialog](#)

#### Attribute Summary

private JPanel	_pageSettingPane
private JPanel	_outputPane
private JLabel	_lbColumn
private JLabel	_lbRow
private JComboBox	_jcbColumn
private JComboBox	_jcbRow

---

**UML-Spec**

---

private JSpinner	_spinColumn
private JSpinner	_spinRow
private SpinnerNumberModel	_rowModel
private SpinnerNumberModel	_columnModel
private JLabel	_lbTitle
private JTextField	_txtTitle
private JLabel	_lbFolder
private JTextField	_txtFolder
private JButton	_btnFolder
private JCheckBox	_jcbReplace
private JCheckBox	_jcbCopySource
private JCheckBox	_jcbLaunchBrowser
private boolean	_promptForReplace
private boolean	_copySource
private String	_outputFolder
private String	_sourceFolder
private String	_title
private int	_row
private int	_column

<b>Operation Summary</b>	
public	HtmlOptionPanel()
private void	jblnit()
public boolean	isCopySource()
public boolean	isPromptForReplace()
public void	setCopySource(boolean copySource)
public void	setPromptForReplace(boolean promptForReplace)
private void	jcbReplaceActionPerformed(ActionEvent e)
private void	jcbCopySourceActionPerformed(ActionEvent e)
private void	btnColorActionPerformed(ActionEvent e)
private void	bthFolderActionPerformed(ActionEvent e)
public int	getRowCount()
public int	getColumnCount()
public String	getOutputFolder()
public void	setOutputFolder(String outputFolder)
public String	getTitle()

### Attribute Detail

private [JPanel](#) \_pageSettingPane

**Visible :** true

**Initial value:** newJPanel()

**Multiplicity :** Unspecified

**Scope :** instance

private [JPanel](#) \_outputPane

**Visible :** true

**Initial value:** newJPanel()

**Multiplicity :** Unspecified

**Scope :** instance

private [JLabel](#) \_lbColumn

**Visible :** true

**Initial value:** newJLabel()

**Multiplicity :** Unspecified

**Scope :** instance

private [JLabel](#) \_lbRow

**Visible :** true

**Initial value:** newJLabel()

**Multiplicity :** Unspecified

**Scope :** instance

private [JComboBox](#) \_jcbColumn

**Visible :** true

**Initial value:** newJComboBox()

**Multiplicity :** Unspecified

**Scope :** instance

private [JComboBox](#) \_jcbRow

**Visible** : true

**Initial value:** newJComboBox()

**Multiplicity** : Unspecified

**Scope** : instance

```
private JSpinner _spinColumn
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JSpinner _spinRow
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private SpinnerNumberModel _rowModel
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private SpinnerNumberModel _columnModel
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private JLabel _lbTitle
```

**Visible** : true

**Initial value:** newJLabel()

**Multiplicity** : Unspecified

**Scope :** instance

private [JTextField](#) \_txtTitle

**Visible :** true

**Initial value:** newJTextField("My Gallery")

**Multiplicity :** Unspecified

**Scope :** instance

private [JLabel](#) \_lbFolder

**Visible :** true

**Initial value:** newJLabel()

**Multiplicity :** Unspecified

**Scope :** instance

private [JTextField](#) \_txtFolder

**Visible :** true

**Initial value:** newJTextField("")

**Multiplicity :** Unspecified

**Scope :** instance

private [JButton](#) \_btnFolder

**Visible :** true

**Initial value:** newJButton()

**Multiplicity :** Unspecified

**Scope :** instance

private [JCheckBox](#) \_jcbReplace

**Visible :** true

**Initial value:** newJCheckBox()

**Multiplicity :** Unspecified

**Scope :** instance

private [JCheckBox](#) \_jcbCopySource

**Visible :** true

**Initial value:** newJCheckBox()

**Multiplicity :** Unspecified

**Scope :** instance

```
private JCheckBox _jcbLaunchBrowser
```

**Visible :** true

**Initial value:** newJCheckBox()

**Multiplicity :** Unspecified

**Scope :** instance

```
private boolean _promptForReplace
```

**Visible :** true

**Initial value:** true

**Multiplicity :** Unspecified

**Scope :** instance

```
private boolean _copySource
```

**Visible :** true

**Initial value:** true

**Multiplicity :** Unspecified

**Scope :** instance

```
private String _outputFolder
```

**Visible :** true

**Initial value:** ""

**Multiplicity :** Unspecified

**Scope :** instance

```
private String _sourceFolder
```

**Visible :** true

**Initial value:** ""

**Multiplicity :** Unspecified

**Scope :** instance

private [String](#) \_title

**Visible :** true

**Initial value:** "My Gallery"

**Multiplicity :** Unspecified

**Scope :** instance

private [int](#) \_row

**Visible :** true

**Initial value:** 2

**Multiplicity :** Unspecified

**Scope :** instance

private [int](#) \_column

**Visible :** true

**Initial value:** 3

**Multiplicity :** Unspecified

**Scope :** instance

**Operation Detail**

public [HtmlOptionPanel](#)()

**Scope :** instance

**Is Query :** false

private [void](#) jblnit()

**Scope :** instance

**Is Query :** false

public [boolean](#) isCopySource()

**Documentation :** @return boolean

**Scope :** instance

**Is Query :** false

```
public boolean isPromptForReplace()
```

**Documentation :** @return boolean

**Scope :** instance

**Is Query :** false

```
public void setCopySource(boolean copySource)
```

**Documentation :** Sets the copySource.

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** copySource

**Type :** boolean

**Documentation :** The copySource to set

**Direction :** inout

```
public void setPromptForReplace(boolean promptForReplace)
```

**Documentation :** Sets the promptForReplace.

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** promptForReplace

**Type :** boolean

**Documentation :** The promptForReplace to set

**Direction :** inout

```
private void jcbReplaceActionPerformed(ActionEvent e)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : e

**Type** : ActionEvent

**Direction** : inout

```
private void jcbCopySourceActionPerformed(ActionEvent e)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : e

**Type** : ActionEvent

**Direction** : inout

```
private void btnColorActionPerformed(ActionEvent e)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : e

**Type** : ActionEvent

**Direction** : inout

```
private void btnFolderActionPerformed(ActionEvent e)
```

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : e

**Type** : ActionEvent

**Direction** : inout

```
public int getRowCount()
```

**Scope** : instance

**Is Query** : false

```
public int getColumnCount()
```

**Scope** : instance

**Is Query** : false

```
public String getOutputFolder()
```

**Documentation** : @return String

**Scope** : instance

**Is Query** : false

```
public void setOutputFolder(String outputFolder)
```

**Documentation** : Sets the outputFolder.

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : outputFolder

**Type** : String

**Documentation** : The outputFolder to set

**Direction** : inout

public [String](#) getTitle()

**Scope** : instance

**Is Query** : false



**Class** ImageInfo

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : html

**Communicates link**

to [ImageInfoCollectionImpl](#)

#### Attribute Summary

private String	_fileName
private String	_fileSize
private File	_file

#### Operation Summary

public	ImageInfo(File f)
public <a href="#">String</a>	getFileName()
public <a href="#">String</a>	getFileSize()
public void	setFileName(String fileName)
public void	setFileSize(String fileSize)
public <a href="#">File</a>	getFile()
public void	setFile(File file)

#### Attribute Detail

private [String](#) \_fileName

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private String _fileSize
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

```
private File _file
```

**Visible** : true

**Initial value:**

**Multiplicity** : Unspecified

**Scope** : instance

#### Operation Detail

```
public ImageInfo(File f)
```

**Documentation** : @return String

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : f

**Type** : File

**Direction** : inout

```
public String getFileName()
```

**Scope** : instance

**Is Query** : false

```
public String getFileSize()
```

**Documentation :** @return String

**Scope :** instance

**Is Query :** false

```
public void setFileName(String fileName)
```

**Documentation :** Sets the fileName.

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** fileName

**Type :** String

**Documentation :** The fileName to set

**Direction :** inout

```
public void setFileSize(String fileSize)
```

**Documentation :** Sets the fileSize.

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** fileSize

**Type :** String

**Documentation :** The fileSize to set

**Direction :** inout

```
public File getFile()
```

**Documentation :** Returns the file. @return File

**Scope :** instance

**Is Query** : false

```
public void setFile(File file)
```

**Documentation** : Sets the file.

**Scope** : instance

**Is Query** : false

#### Parameter Detail

**Name** : file

**Type** : File

**Documentation** : The file to set

**Direction** : inout



#### Class ImageInfoCollection

**Documentation** : A collection to store the image info.

**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Active** : false

**Visibility** : public

**Contained by** : html

**Realized by:**

[ImageInfoCollectionImpl](#), [ImageSourcePane](#), SourceTableModel

**Generalized by:**

[ImageInfoCollectionImpl](#), [ImageSourcePane](#)

**Communicates link**

to SourceTableModel

Operation Summary	
public void	addImageInfo( <a href="#">ImageInfo</a> info)
public <a href="#">ImageInfo</a>	getImageInfo(int index)
public int	getCollectionSize()
public void	removeImageInfo(int index)
public void	removeAllImageInfo()
public <a href="#">File</a> []	getFileList()

### Operation Detail

```
public void addImageInfo(ImageInfo info)
```

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** info

**Type :** [ImageInfo](#)

**Direction :** inout

```
public ImageInfo getImageInfo(int index)
```

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** index

**Type :** int

**Direction :** inout

```
public int getCollectionSize()
```

**Scope :** instance

**Is Query :** false

```
public void removeImageInfo(int index)
```

**Scope :** instance

**Is Query :** false

#### Parameter Detail

**Name :** index

**Type :** int

**Direction :** inout

public void removeAllImageInfo()

**Scope :** instance

**Is Query :** false

public File[] getFileList()

**Scope :** instance

**Is Query :** false



**Class** ImageInfoCollectionImpl

### Generalization Hierarchy

```
ImageInfoCollection
|
+-ImageInfoCollectionImpl
```

**Documentation :** @author Yundi

**Is Abstract :** false

**Is Root :** false

**Is Leaf :** false

**Is Active :** false

**Visibility :** public

**Contained by :** html

**Realization:**

[ImageInfoCollection](#)

**Generalized from:**

[ImageInfoCollection](#)

**Communicates link**

to [ImageInfo](#)

### Attribute Summary

private Vector	_data
----------------	-------

Operation Summary	
public	ImageInfoCollectionImpl()
public void	addImageInfo( <a href="#">ImageInfo</a> info)
public <a href="#">ImageInfo</a>	getImageInfo(int index)
public int	getCollectionSize()
public void	removeImageInfo(int index)
public void	removeAllImageInfo()
public <a href="#">File</a> []	getFileList()

### Attribute Detail

```
private Vector _data
```

**Visible** : true

**Initial value**:

**Multiplicity** : Unspecified

**Scope** : instance

### Operation Detail

```
public ImageInfoCollectionImpl()
```

**Scope** : instance

**Is Query** : false

```
public void addImageInfo(ImageInfo info)
```

**Scope** : instance

**Is Query** : false

### Parameter Detail

**Name** : info

**Type** : [ImageInfo](#)

**Direction** : inout

```
public ImageInfo getImageInfo(int index)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : index

**Type** : int

**Direction** : inout

```
public int getCollectionSize()
```

**Scope** : instance

**Is Query** : false

```
public void removeImageInfo(int index)
```

**Scope** : instance

**Is Query** : false

**Parameter Detail**

**Name** : index

**Type** : int

**Direction** : inout

```
public void removeAllImageInfo()
```

**Scope** : instance

**Is Query** : false

```
public File[] getFileList()
```

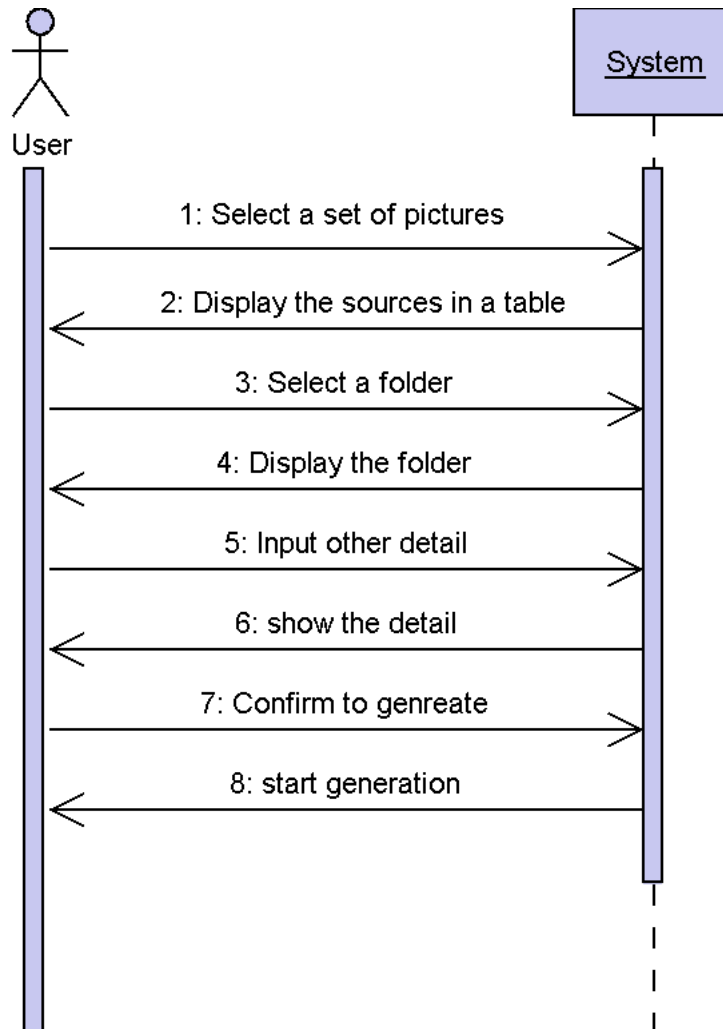
**Documentation** : @see `jthumbnailer.html.ImageInfoCollection#getFileList()`

**Scope** : instance

**Is Query** : false



## Generate Html



### Diagram Content Summary



### Diagram Content Detail



**Is Abstract** : false

**Is Root** : false

**Is Leaf** : false

**Is Abstract** : false

**Is Active** : false

**Message to [System](#)**

**Name** : Select a set of pictures

**Sequence number**: 1

**Asynchronous** : false

**Message to [System](#)**

**Name** : Select a folder

**Sequence number**: 3

**Asynchronous** : false

**Message to [System](#)**

**Name** : Input other detail

**Sequence number**: 5

**Asynchronous** : false

**Message to [System](#)**

**Name** : Confirm to generate

**Sequence number**: 7

**Asynchronous** : false

**Sequence Message from**

[System](#)



**Object** System

**Is Active** : false

**Multiplicity** : Unspecified

**Message to [User](#)**

**Name** : Display the sources in a table

**Sequence number**: 2

**Asynchronous** : false

**Message to [User](#)**

**Name** : Display the folder

**Sequence number**: 4

**Asynchronous** : false

**Message to** [User](#)

**Name** : show the detail

**Sequence number**: 6

**Asynchronous** : false

**Message to** [User](#)

**Name** : start generation

**Sequence number**: 8

**Asynchronous** : false

**Sequence Message from**

[User](#)