

[OVERVIEW](#) [PACKAGE](#) [CLASS](#) [USE](#) [TREE](#) [DEPRECATED](#) [INDEX](#)

[PREV CLASS](#) [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)

[SUMMARY: NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)

view

## Class ViewPanel

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      javax.swing.JComponent
        javax.swing.JPanel
          view.ViewPanel
```

### All Implemented Interfaces:

`ImageObserver`, `MenuContainer`, `Serializable`, `Observer`, `Accessible`

```
class ViewPanel
extends JPanel
implements Observer
```

The Class ViewPanel.

### Author:

Group 5

### Nested Class Summary

#### Nested classes/interfaces inherited from class javax.swing.JPanel

`JPanel.AccessibleJPanel`

#### Nested classes/interfaces inherited from class javax.swing.JComponent

`JComponent.AccessibleJComponent`

#### Nested classes/interfaces inherited from class java.awt.Container

`Container.AccessibleAWTContainer`

#### Nested classes/interfaces inherited from class java.awt.Component

`Component.AccessibleAWTComponent`, `Component.BaselineResizeBehavior`,  
`Component.BltBufferStrategy`, `Component.FlipBufferStrategy`

### Field Summary

#### Fields

Modifier and Type	Field and Description
private Image	<b>icoFond</b> the background icon.
private Image	<b>imgFond</b> the background image.
private IModel	<b>model</b> the model.
private static long	<b>serialVersionUID</b> The Constant serialVersionUID.
private ViewFrame	<b>viewFrame</b> The view frame.

Fields inherited from class javax.swing.JComponent

listenerList, TOOL\_TIP\_TEXT\_KEY, ui, UNDEFINED\_CONDITION, WHEN\_ANCESTOR\_OF\_FOCUSED\_COMPONENT, WHEN\_FOCUSED, WHEN\_IN\_FOCUSED\_WINDOW

Fields inherited from class java.awt.Component

accessibleContext, BOTTOM\_ALIGNMENT, CENTER\_ALIGNMENT, LEFT\_ALIGNMENT, RIGHT\_ALIGNMENT, TOP\_ALIGNMENT

Fields inherited from interface java.awt.image.ImageObserver

ABORT, ALLBITS, ERROR, FRAMEBITS, HEIGHT, PROPERTIES, SOMEBITS, WIDTH

Constructor Summary

Constructors

Constructor and Description

**ViewPanel**(ViewFrame viewFrame)  
Instantiates a new view panel.

Method Summary

All Methods      Instance Methods      Concrete Methods

Modifier and Type      Method and Description

private ViewFrame      **getViewFrame**()  
Gets the view frame.

protected void      **paintComponent**(Graphics graphics)

private void      **setViewFrame**(ViewFrame viewFrame)

Sets the view frame.

```
void update(Observable arg0, Object arg1)
```

### Methods inherited from class javax.swing.JPanel

`getAccessibleContext`, `getUI`, `getUIClassID`,  `paramString`, `setUI`, `updateUI`

### Methods inherited from class javax.swing.JComponent

`addAncestorListener`, `addNotify`, `addVetoableChangeListener`, `computeVisibleRect`, `contains`, `createToolTip`, `disable`, `enable`, `firePropertyChange`, `firePropertyChange`, `firePropertyChange`, `fireVetoableChange`, `getActionForKeyStroke`, `getActionMap`, `getAlignmentX`, `getAlignmentY`, `getAncestorListeners`, `getAutoscrolls`, `getBaseline`, `getBaselineResizeBehavior`, `getBorder`, `getBounds`, `getClientProperty`, `getComponentGraphics`, `getComponentPopupMenu`, `getConditionForKeyStroke`, `getDebugGraphicsOptions`, `getDefaultLocale`, `getFontMetrics`, `getGraphics`, `getHeight`, `getInheritsPopupMenu`, `getInputMap`, `getInputMap`, `getInputVerifier`, `getInsets`, `getInsets`, `getListeners`, `getLocation`, `getMaximumSize`, `getMinimumSize`, `getNextFocusableComponent`, `getPopupLocation`, `getPreferredSize`, `getRegisteredKeyStrokes`, `getRootPane`, `getSize`, `getToolTipLocation`, `getToolTipText`, `getToolTipText`, `getTopLevelAncestor`, `getTransferHandler`, `getVerifyInputWhenFocusTarget`, `getVetoableChangeListeners`, `getVisibleRect`, `getWidth`, `getX`, `getY`, `grabFocus`, `hide`, `isDoubleBuffered`, `isLightweightComponent`, `isManagingFocus`, `isOpaque`, `isOptimizedDrawingEnabled`, `isPaintingForPrint`, `isPaintingOrigin`, `isPaintingTile`, `isRequestFocusEnabled`, `isValidateRoot`, `paint`, `paintBorder`, `paintChildren`, `paintImmediately`, `paintImmediately`, `print`, `printAll`, `printBorder`, `printChildren`, `printComponent`, `processComponentKeyEvent`, `processKeyBinding`, `processKeyEvent`, `processMouseEvent`, `processMouseEvent`, `putClientProperty`, `registerKeyboardAction`, `registerKeyboardAction`, `removeAncestorListener`, `removeNotify`, `removeVetoableChangeListener`, `repaint`, `repaint`, `requestDefaultFocus`, `requestFocus`, `requestFocus`, `requestFocusInWindow`, `requestFocusInWindow`, `resetKeyboardActions`, `reshape`, `revalidate`, `scrollRectToVisible`, `setActionMap`, `setAlignmentX`, `setAlignmentY`, `setAutoscrolls`, `setBackground`, `setBorder`, `setComponentPopupMenu`, `setDebugGraphicsOptions`, `setDefaultLocale`, `setDoubleBuffered`, `setEnabled`, `setFocusTraversalKeys`, `setFont`, `setForeground`, `setInheritsPopupMenu`, `setInputMap`, `setInputVerifier`, `setMaximumSize`, `setMinimumSize`, `setNextFocusableComponent`, `setOpaque`, `setPreferredSize`, `setRequestFocusEnabled`, `setToolTipText`, `setTransferHandler`, `setUI`, `setVerifyInputWhenFocusTarget`, `setVisible`, `unregisterKeyboardAction`, `update`

### Methods inherited from class java.awt.Container

`add`, `add`, `add`, `add`, `add`, `addContainerListener`, `addImpl`, `addPropertyChangeListener`, `addPropertyChangeListener`, `applyComponentOrientation`, `areFocusTraversalKeysSet`, `countComponents`, `deliverEvent`, `doLayout`, `findComponentAt`, `findComponentAt`, `getComponent`, `getComponentAt`, `getComponentAt`, `getComponentCount`, `getComponents`, `getComponentZOrder`, `getContainerListeners`, `getFocusTraversalKeys`, `getFocusTraversalPolicy`, `getLayout`, `getMousePosition`, `insets`, `invalidate`, `isAncestorOf`, `isFocusCycleRoot`, `isFocusCycleRoot`, `isFocusTraversalPolicyProvider`, `isFocusTraversalPolicySet`, `layout`, `list`, `list`, `locate`, `minimumSize`, `paintComponents`, `preferredSize`, `printComponents`, `processContainerEvent`, `processEvent`, `remove`, `remove`, `removeAll`, `removeContainerListener`, `setComponentZOrder`, `setFocusCycleRoot`, `setFocusTraversalPolicy`,

setFocusTraversalPolicyProvider, setLayout, transferFocusDownCycle, validate, validateTree

### Methods inherited from class `java.awt.Component`

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addMouseWheelListener, bounds, checkImage, checkImage, coalesceEvents, contains, createImage, createImage, createVolatileImage, createVolatileImage, disableEvents, dispatchEvent, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBackground, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusCycleRootAncestor, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getForeground, getGraphicsConfiguration, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint, getInputContext, getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocale, getLocation, getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition, getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners, getPropertyChangeListeners, getSize, getToolkit, getTreeLock, gotFocus, handleEvent, hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight, isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isShowing, isValid, isVisible, keyDown, keyUp, list, list, list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move, nextFocus, paintAll, postEvent, prepareImage, prepareImage, processComponentEvent, processFocusEvent, processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processMouseWheelEvent, remove, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, resize, resize, setBounds, setBounds, setComponentOrientation, setCursor, setDropTarget, setFocusable, setFocusTraversalKeysEnabled, setIgnoreRepaint, setLocale, setLocation, setLocation, setName, setSize, setSize, show, show, size, toString, transferFocus, transferFocusBackward, transferFocusUpCycle

### Methods inherited from class `java.lang.Object`

clone, equals, finalize, getClass, hashCode, notify, notifyAll, wait, wait, wait

## Field Detail

### viewFrame

```
private ViewFrame viewFrame
```

The view frame.

### serialVersionUID

```
private static final long serialVersionUID
```

The Constant serialVersionUID.

**See Also:**

[Constant Field Values](#)

#### icoFond

```
private Image icoFond
```

the background icon.

#### imgFond

```
private Image imgFond
```

the background image.

#### model

```
private IModel model
```

the model.

### ***Constructor Detail***

#### ViewPanel

```
public ViewPanel(ViewFrame viewFrame)
```

Instantiates a new view panel.

**Parameters:**

viewFrame - the view frame

### ***Method Detail***

#### getViewFrame

```
private ViewFrame getViewFrame()
```

Gets the view frame.

**Returns:**

the view frame

**setViewFrame**

```
private void setViewFrame(ViewFrame viewFrame)
```

Sets the view frame.

**Parameters:**

viewFrame - the new view frame

**update**

```
public void update(Observable arg0,  
                  Object arg1)
```

**Specified by:**

update in interface `Observer`

**paintComponent**

```
protected void paintComponent(Graphics graphics)
```

**Overrides:**

paintComponent in class `JComponent`

[OVERVIEW](#) [PACKAGE](#) [CLASS](#) [USE](#) [TREE](#) [DEPRECATED](#) [INDEX](#)

**PREV CLASS** [NEXT CLASS](#) [FRAMES](#) [NO FRAMES](#) [ALL CLASSES](#)

SUMMARY: [NESTED](#) | [FIELD](#) | [CONSTR](#) | [METHOD](#) [DETAIL: FIELD](#) | [CONSTR](#) | [METHOD](#)

Copyright © 2019. All rights reserved.