Class DescriptionGUI

```
java.lang.Object
  └java.awt.Component
      └java.awt.Container
          └java.awt.Window
              └java.awt.Frame
                  └javax.swing.JFrame
                      └Extension.GUI.DescriptionGUI
```

All Implemented Interfaces:

> java.awt.event.WindowListener, java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable, java.util.EventListener, javax.accessibility.Accessible, javax.swing.RootPaneContainer, javax.swing.WindowConstants

---

```
public class DescriptionGUI
extends javax.swing.JFrame
implements java.awt.event.WindowListener
```

The Graphical User Interface used to show the description of the exercises the user is working on.

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See Also:

> [Serialized Form](#)

Nested Class Summary

Nested classes/interfaces inherited from class javax.swing.JFrame
`javax.swing.JFrame.AccessibleJFrame`

Nested classes/interfaces inherited from class java.awt.Frame
`java.awt.Frame.AccessibleAWTFrame`

Nested classes/interfaces inherited from class java.awt.Window
`java.awt.Window.AccessibleAWTWindow, java.awt.Window.Type`

Nested classes/interfaces inherited from class java.awt.Container
`java.awt.Container.AccessibleAWTContainer`

Nested classes/interfaces inherited from class java.awt.Component
`java.awt.Component.AccessibleAWTComponent, java.awt.Component.BaselineResizeBehavior, java.awt.Component.BltBufferStrategy, java.awt.Component.FlipBufferStrategy`

Field Summary

Fields inherited from class javax.swing.JFrame

accessibleContext, EXIT_ON_CLOSE, rootPane, rootPaneCheckingEnabled

Fields inherited from class java.awt.Frame

CROSSHAIR_CURSOR, DEFAULT_CURSOR, E_RESIZE_CURSOR, HAND_CURSOR, ICONIFIED, MAXIMIZED_BOTH, MAXIMIZED_HORIZ, MAXIMIZED_VERT, MOVE_CURSOR, N_RESIZE_CURSOR, NE_RESIZE_CURSOR, NORMAL, NW_RESIZE_CURSOR, S_RESIZE_CURSOR, SE_RESIZE_CURSOR, SW_RESIZE_CURSOR, TEXT_CURSOR, W_RESIZE_CURSOR, WAIT_CURSOR

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

Fields inherited from interface javax.swing.WindowConstants

DISPOSE_ON_CLOSE, DO_NOTHING_ON_CLOSE, HIDE_ON_CLOSE

Fields inherited from interface java.awt.image.ImageObserver

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

Constructor Summary

DescriptionGUI()

    Creates the GUI

Method Summary

void	**packGUI**() Packs the GUI and sets it visible
void	**windowActivated**(java.awt.event.WindowEvent event)
void	**windowClosed**(java.awt.event.WindowEvent event)
void	**windowClosing**(java.awt.event.WindowEvent event)
void	**windowDeactivated**(java.awt.event.WindowEvent event)
void	**windowDeiconified**(java.awt.event.WindowEvent event)
void	**windowIconified**(java.awt.event.WindowEvent event)
void	**windowOpened**(java.awt.event.WindowEvent event)

Methods inherited from class javax.swing.JFrame

addImpl, createRootPane, frameInit, getAccessibleContext, getContentPane, getDefaultCloseOperation, getGlassPane, getGraphics, getJMenuBar, getLayeredPane, getRootPane, getTransferHandler, isDefaultLookAndFeelDecorated, isRootPaneCheckingEnabled, paramString, processWindowEvent, remove, repaint, setContentPane, setDefaultCloseOperation, setDefaultLookAndFeelDecorated, setGlassPane, setIconImage, setJMenuBar, setLayeredPane, setLayout, setRootPane, setRootPaneCheckingEnabled,

```
setTransferHandler, update
```

Methods inherited from class java.awt.Frame

```
addNotify, getCursorType, getExtendedState, getFrames, getIconImage, getMaximizedBounds, getMenuBar,
getState, getTitle, isResizable, isUndecorated, remove, removeNotify, setBackground, setCursor,
setExtendedState, setMaximizedBounds, setMenuBar, setOpacity, setResizable, setShape, setState,
setTitle, setUndecorated
```

Methods inherited from class java.awt.Window

```
addPropertyChangeListener, addPropertyChangeListener, addWindowFocusListener, addWindowListener,
addWindowStateListener, applyResourceBundle, applyResourceBundle, createBufferStrategy,
createBufferStrategy, dispose, getBackground, getBufferStrategy, getFocusableWindowState,
getFocusCycleRootAncestor, getFocusOwner, getFocusTraversalKeys, getIconImages, getInputContext,
getListeners, getLocale, getModalExclusionType, getMostRecentFocusOwner, getOpacity, getOwnedWindows,
getOwner, getOwnerlessWindows, getShape, getToolkit, getType, getWarningString,
getWindowFocusListeners, getWindowListeners, getWindows, getWindowStateListeners, hide, isActive,
isAlwaysOnTop, isAlwaysOnTopSupported, isAutoRequestFocus, isFocusableWindow, isFocusCycleRoot,
isFocused, isLocationByPlatform, isOpaque, isShowing, isValidateRoot, pack, paint, postEvent,
processEvent, processWindowFocusEvent, processWindowStateEvent, removeWindowFocusListener,
removeWindowListener, removeWindowStateListener, reshape, setAlwaysOnTop, setAutoRequestFocus,
setBounds, setBounds, setCursor, setFocusableWindowState, setFocusCycleRoot, setIconImages,
setLocation, setLocation, setLocationByPlatform, setLocationRelativeTo, setMinimumSize,
setModalExclusionType, setSize, setSize, setType, setVisible, show, toBack, toFront
```

Methods inherited from class java.awt.Container

```
add, add, add, add, add, addContainerListener, applyComponentOrientation, areFocusTraversalKeysSet,
countComponents, deliverEvent, doLayout, findComponentAt, findComponentAt, getAlignmentX,
getAlignmentY, getComponent, getComponentAt, getComponentAt, getComponentCount, getComponents,
getComponentZOrder, getContainerListeners, getFocusTraversalPolicy, getInsets, getLayout,
getMaximumSize, getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate, isAncestorOf,
isFocusCycleRoot, isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, list, list,
locate, minimumSize, paintComponents, preferredSize, print, printComponents, processContainerEvent,
remove, removeAll, removeContainerListener, setComponentZOrder, setFocusTraversalKeys,
setFocusTraversalPolicy, setFocusTraversalPolicyProvider, setFont, 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, contains, createImage,
createImage, createVolatileImage, createVolatileImage, disable, disableEvents, dispatchEvent, enable,
enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange,
firePropertyChange, getBaseline, getBaselineResizeBehavior, getBounds, getBounds, getColorModel,
getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusListeners,
getFocusTraversalKeysEnabled, getFont, getFontMetrics, getForeground, getGraphicsConfiguration,
getHeight, getHierarchyBoundsListeners, getHierarchyListeners, getIgnoreRepaint,
getInputMethodListeners, getInputMethodRequests, getKeyListeners, getLocation, getLocation,
getLocationOnScreen, getMouseListeners, getMouseMotionListeners, getMousePosition,
getMouseWheelListeners, getName, getParent, getPeer, getPropertyChangeListeners,
getPropertyChangeListeners, getSize, getSize, getTreeLock, getWidth, getX, getY, gotFocus, handleEvent,
hasFocus, imageUpdate, inside, isBackgroundSet, isCursorSet, isDisplayable, isDoubleBuffered,
isEnabled, isFocusable, isFocusOwner, isFocusTraversable, isFontSet, isForegroundSet, isLightweight,
isMaximumSizeSet, isMinimumSizeSet, isPreferredSizeSet, isValid, isVisible, keyDown, keyUp, list, list,
list, location, lostFocus, mouseDown, mouseDrag, mouseEnter, mouseExit, mouseMove, mouseUp, move,
nextFocus, paintAll, prepareImage, prepareImage, printAll, processComponentEvent, processFocusEvent,
processHierarchyBoundsEvent, processHierarchyEvent, processInputMethodEvent, processKeyEvent,
processMouseEvent, processMouseMotionEvent, processMouseWheelEvent, removeComponentListener,
removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener,
removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener,
removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, requestFocus,
requestFocus, requestFocusInWindow, requestFocusInWindow, resize, resize, revalidate,
setComponentOrientation, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled,
setForeground, setIgnoreRepaint, setLocale, setMaximumSize, setName, setPreferredSize, show, size,
toString, transferFocus, transferFocusBackward, transferFocusUpCycle
```

Methods inherited from class java.lang.Object

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

Methods inherited from interface java.awt.MenuContainer

```
getFont, postEvent
```

Constructor Detail

DescriptionGUI

```
public DescriptionGUI()
```

>   Creates the GUI

Method Detail

packGUI

```
public void packGUI()
```

>   Packs the GUI and sets it visible

---

windowActivated

```
public void windowActivated(java.awt.event.WindowEvent event)
```

>   **Specified by:**
>   >   windowActivated in interface java.awt.event.WindowListener

---

windowClosed

```
public void windowClosed(java.awt.event.WindowEvent event)
```

>   **Specified by:**
>   >   windowClosed in interface java.awt.event.WindowListener

---

windowClosing

```
public void windowClosing(java.awt.event.WindowEvent event)
```

>   **Specified by:**
>   >   windowClosing in interface java.awt.event.WindowListener

---

windowDeactivated

```
public void windowDeactivated(java.awt.event.WindowEvent event)
```

>   **Specified by:**
>   >   windowDeactivated in interface java.awt.event.WindowListener

---

windowDeiconified

public void **windowDeiconified**(java.awt.event.WindowEvent event)

> **Specified by:**
>> windowDeiconified in interface java.awt.event.WindowListener

---

windowIconified

public void **windowIconified**(java.awt.event.WindowEvent event)

> **Specified by:**
>> windowIconified in interface java.awt.event.WindowListener

---

windowOpened

public void **windowOpened**(java.awt.event.WindowEvent event)

> **Specified by:**
>> windowOpened in interface java.awt.event.WindowListener