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Package view

Class View

All Implemented Interfaces:

java.awt.image.ImageObserver, java.awt.MenuContainer, java.io.Serializable,
javax.accessibility.Accessible, javax.swing.RootPaneContainer, javax.swing.WindowConstants

public class View
extends javax.swing.JFrame

See Also:

Serialized Form

Nested Class Summary

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

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

java.awt.Container.AccessibleAWTContainer

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

java.awt.Frame.AccessibleAWTFrame

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

javax.swing.JFrame.AccessibleJFrame

Nested classes/interfaces inherited from class java.awt.Window

java.awt.Window.AccessibleAWTWindow, java.awt.Window.Type

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Modifier and Type	Field	Description
private javax.swing.JPanel	bottomPanel	A JPanel for the JTextArea to be presented on the GUI
<pre>private javax.swing.JButton[][]</pre>	gameButtons	A dual-array JButtons to keep record on where the pieces are being placed on the board
private javax.swing.JMenuItem	giantsunflower	A Giantsunflower option on the pop-up menu
private javax.swing.JScrollPane	jScrollPane	A JScrollPane for any excess logs on the JTextArea, allowing the scroll feature
(package private) javax.swing.JMenuBar	menuBar	MenuBar for the MenuItems to be placed
private javax.swing.JMenuItem	peashooter	A Peashooter option on the pop-up menu
private javax.swing.JPopupMenu	popupMenu	A pop-up menu to allow the user select which plant to place on the board
(package private) javax.swing.JMenuItem	redoButton	JMenu Title to redo an user- command
private javax.swing.JMenuItem	repeater	A Repeater option on the pop-up menu
private javax.swing.JMenuItem	sunflower	A Sunflower option on the pop-up menu
(package private) javax.swing.JLabel	sunMoney	JLabel String of the user's money pouch
(package private) javax.swing.JLabel	sunPicture	To display a JLabel logo of the Sun, representing the money of the user
private javax.swing.JTextArea	textArea	A JTextArea for in-game logs
private javax.swing.JMenuItem	threepeater	A Threepeater option on the popup menu

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command

private javax.swing.JMenuItem

wallnut

A Wallnut option on the pop-up

menu

Fields inherited from class java.awt.Component

BOTTOM_ALIGNMENT, CENTER_ALIGNMENT, LEFT_ALIGNMENT, RIGHT_ALIGNMENT, TOP_ALIGNMENT

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 interface java.awt.image.lmageObserver

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

Fields inherited from class javax.swing.JFrame

accessibleContext, rootPane, rootPaneCheckingEnabled

Fields inherited from interface javax.swing.WindowConstants

DISPOSE_ON_CLOSE, DO_NOTHING_ON_CLOSE, EXIT_ON_CLOSE, HIDE_ON_CLOSE

Constructor Summary

Constructors

Constructor **Description**

View() Setting up the GUI using the fields that were chosen

Method Summary

All Methods Instance Methods Concrete Methods

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

specific point of the game board

javax.swing.JMenuItem	<pre>getPeashooter()</pre>	Getting or Creating a Peashooter at the specific point of the game board
javax.swing.JPopupMenu	getPopupMenu()	JPopupMenu shown in every JButton
javax.swing.JMenuItem	<pre>getRedoButton()</pre>	Getting the JMenu for the Redo Button on the JMenuBar
javax.swing.JMenuItem	<pre>getRepeater()</pre>	Getting or Creating a Repeater at the specific point of the game board
javax.swing.JMenuItem	<pre>getSunflower()</pre>	Getting or Creating a Sunflower at the specific point of the game board
javax.swing.JLabel	<pre>getSunMoney()</pre>	Getting the JLabel for money pouch of the user
javax.swing.JTextArea	<pre>getTextArea()</pre>	Getting the JTextArea for in-game logging
javax.swing.JMenuItem	<pre>getThreepeater()</pre>	Getting or Creating a Threepeater at the specific point of the game board
javax.swing.JPanel	<pre>getTopPanel()</pre>	Getter for the JPanel filled with JButtons
javax.swing.JMenuItem	<pre>getTwinSunflower()</pre>	Getting or Creating a TwinSunflower at the specific point of the game board
javax.swing.JMenuItem	<pre>getUndoButton()</pre>	Getting the JMenu for the Undo Button on the JMenuBar
javax.swing.JMenuItem	<pre>getWallnut()</pre>	Getting or Creating a Wallnut at the specific point of the game board

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, disable, disableEvents, dispatchEvent, enable, enable, enableEvents, enableInputMethods, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, firePropertyChange, getBaseline, getBaselineResizeBehavior, getBounds, getBounds, getColorModel, getComponentListeners, getComponentOrientation, getCursor, getDropTarget, getFocusListeners, getFocusTraversalKeysEnabled, getFont, getFontMetrics,

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

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, requestFocus, requestFocusInWindow, requestFocusInWindow, requestFocusInWindow, resize, resize, revalidate, setComponentOrientation, setDropTarget, setEnabled, setFocusable, setFocusTraversalKeysEnabled, setForeground, setIgnoreRepaint, setLocale, setMaximumSize, setMixingCutoutShape, setName, setPreferredSize, show, size, toString, transferFocus, transferFocusBackward, transferFocusUpCycle

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, getComponentSorder, getComponentAt, getComponentCount, getComponents, getComponentZOrder, getContainerListeners, getFocusTraversalPolicy, getInsets, getLayout, getMaximumSize, getMinimumSize, getMousePosition, getPreferredSize, insets, invalidate, isAncestorOf, isFocusCycleRoot, isFocusTraversalPolicyProvider, isFocusTraversalPolicySet, layout, 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.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 javax.swing.JFrame

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD setRootPaneCheckingEnabled, setTransferHandler, update

Methods inherited from interface java.awt.MenuContainer

getFont, postEvent

Methods inherited from class java.lang.Object

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

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, setCursor, setFocusableWindowState, setFocusCycleRoot, setIconImages, setLocation, setLocation, setLocationByPlatform, setLocationRelativeTo, setMinimumSize, setModalExclusionType, setSize, setSize, setType, setVisible, show, toBack, toFront

Field Detail

topPanel

private javax.swing.JPanel topPanel

A JPanel for the buttons to be presented on the GUI

bottomPanel

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

private javax.swing.JButton[][] gameButtons

A dual-array JButtons to keep record on where the pieces are being placed on the board

popupMenu

private javax.swing.JPopupMenu popupMenu

A pop-up menu to allow the user select which plant to place on the board

textArea

private javax.swing.JTextArea textArea

A JTextArea for in-game logs

jScrollPane

private javax.swing.JScrollPane jScrollPane

A JScrollPane for any excess logs on the JTextArea, allowing the scroll feature

sunflower

private javax.swing.JMenuItem sunflower

A Sunflower option on the pop-up menu

peashooter

private javax.swing.JMenuItem peashooter

A Peashooter option on the pop-up menu

repeater

private javax.swing.JMenuItem repeater

A Repeater option on the pop-up menu

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11 Threepeater option on the pop up menu

giantsunflower

private javax.swing.JMenuItem giantsunflower

A Giantsunflower option on the pop-up menu

twinsunflower

private javax.swing.JMenuItem twinsunflower

A TwinSunflower option on the pop-up menu

wallnut

private javax.swing.JMenuItem wallnut

A Wallnut option on the pop-up menu

sunPicture

javax.swing.JLabel sunPicture

To display a JLabel logo of the Sun, representing the money of the user

sunMoney

javax.swing.JLabel sunMoney

JLabel String of the user's money pouch

redoButton

javax.swing.JMenuItem redoButton

JMenu Title to redo an user-command

undoButton

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

IIIeIIupai

javax.swing.JMenuBar menuBar

MenuBar for the MenuItems to be placed

Constructor Detail

View

public View()

Setting up the GUI using the fields that were chosen

Method Detail

getTopPanel

public javax.swing.JPanel getTopPanel()

Getter for the JPanel filled with JButtons

Returns:

JPanel filled with JButtons

getGameButtons

public javax.swing.JButton[][] getGameButtons()

Dual-array JButtons that is used to place or remove plants and zombies on the game board

Returns:

Dual-array JButtons of the game board

getPopupMenu

public javax.swing.JPopupMenu getPopupMenu()

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

getSunflower

public javax.swing.JMenuItem getSunflower()

Getting or Creating a Sunflower at the specific point of the game board

Returns:

JMenuItem dedicated for Sunflower

getPeashooter

public javax.swing.JMenuItem getPeashooter()

Getting or Creating a Peashooter at the specific point of the game board

Returns:

JMenuItem dedicated for Peashooter

getRepeater

public javax.swing.JMenuItem getRepeater()

Getting or Creating a Repeater at the specific point of the game board

Returns:

JMenuItem dedicated for Repeater

getThreepeater

public javax.swing.JMenuItem getThreepeater()

Getting or Creating a Threepeater at the specific point of the game board

Returns:

JMenuItem dedicated for Threepeater

getWallnut

public javax.swing.JMenuItem getWallnut()

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

getTwinSunflower

public javax.swing.JMenuItem getTwinSunflower()

Getting or Creating a TwinSunflower at the specific point of the game board

Returns:

JMenuItem dedicated for TwinSunflower

getGiantSunflower

public javax.swing.JMenuItem getGiantSunflower()

Getting or Creating a GiantSunflower at the specific point of the game board

Returns:

JMenuItem dedicated for GiantSunflower

getTextArea

public javax.swing.JTextArea getTextArea()

Getting the JTextArea for in-game logging

Returns:

JTextArea for Logging

getSunMoney

public javax.swing.JLabel getSunMoney()

Getting the JLabel for money pouch of the user

Returns:

JLabel for money pouch

getRedoButton

public javax.swing.JMenuItem getRedoButton()

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SUMMARY: NESTED | FIELD | CONSTR | METHOD DETAIL: FIELD | CONSTR | METHOD

getUndoButton

public javax.swing.JMenuItem getUndoButton()

Getting the JMenu for the Undo Button on the JMenuBar

Returns:

JMenu for Undo

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