

gui.main

Class MainWindow

```
java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Frame
          javax.swing.JFrame
            gui.main.MainWindow
```

All Implemented Interfaces:

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

```
public class MainWindow
  extends javax.swing.JFrame
```

MainWindow combines all GUI components to produce the final application.

See Also:

[Serialized Form](#)

Nested Class Summary

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

java.awt.Window.Type

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

java.awt.Component.BaselineResizeBehavior

Field Summary

Fields inherited from class javax.swing.JFrame

EXIT_ON_CLOSE

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

Constructors

Constructor and Description

MainWindow(java.lang.String name)

MainWindow is divided in two major parts which are initialized by initComponents() 1.

Method Summary

Methods

Modifier and Type	Method and Description
AppointmentPanel	getAppPanel() Gets the appointment panel.
data.Day	getCurrentDay() Returns an instance of the Day class to retrieve a representation of a day (including date and time slot).
MonthPanel	getMonthPanel() Gets the month panel.
boolean	inMonthView() Determines if user is in day or month view.
void	refresh() Resets the date of the current day.
void	resetAppointmentPanel() Resets the entire appointment panel, such as when changing time slots.
void	setDate (data.Date date)

	Sets the date.
void	<code>setDay(data.Day day)</code> Sets the day.
boolean	<code>showingApptConfirmation()</code> Determines if the appointment confirmation pane is open.
boolean	<code>showingSearch()</code> Determines if the search pane is open.
boolean	<code>showingWaitList()</code> Determines if the wait list pane is open.
void	<code>switchView()</code> Allows the user to switch between day and month view and resets all panes accordingly, especially if a split pane is already open (e.g.
void	<code>toggleApptConfirmation()</code> Allows the user to switch between showing and hiding the appointment confirmation pane.
void	<code>toggleSearch()</code> Allows the user to switch between showing and hiding the search pane.
void	<code>toggleWaitList()</code> <code>toggleWaitList()</code> allows the user to switch between showing and hiding the wait list pane.

Methods inherited from class javax.swing.JFrame

`getAccessibleContext`, `getContentPane`, `getDefaultCloseOperation`, `getGlassPane`, `getGraphics`, `getJMenuBar`, `getLayeredPane`, `getRootPane`, `getTransferHandler`, `isDefaultLookAndFeelDecorated`, `remove`, `repaint`, `setContentPane`, `setDefaultCloseOperation`, `setDefaultLookAndFeelDecorated`, `setGlassPane`, `setIconImage`, `setJMenuBar`, `setLayeredPane`, `setLayout`, `setTransferHandler`, `update`

Methods inherited from class java.awt.Frame

`addNotify`, `getCursorType`, `getExtendedState`, `getFrames`, `setIconImage`, `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`, `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, remove, removeAll, removeContainerListener, setComponentZOrder, setFocusTraversalKeys, setFocusTraversalPolicy, setFocusTraversalPolicyProvider, setFont, transferFocusDownCycle, validate

Methods inherited from class java.awt.Component

action, add, addComponentListener, addFocusListener, addHierarchyBoundsListener, addHierarchyListener, addInputMethodListener, addKeyListener, addMouseListener, addMouseMotionListener, addMouseWheelListener, bounds, checkImage, checkImage, contains, contains, createImage, createImage, createVolatileImage, createVolatileImage, disable, dispatchEvent, enable, enable, enableInputMethods, 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, removeComponentListener, removeFocusListener, removeHierarchyBoundsListener, removeHierarchyListener, removeInputMethodListener, removeKeyListener, removeMouseListener, removeMouseMotionListener, removeMouseWheelListener, removePropertyChangeListener, removePropertyChangeListener, repaint, repaint, repaint, requestFocus, 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

equals, getClass, hashCode, notify, notifyAll, wait, wait, wait

Methods inherited from interface java.awt.MenuContainer

getFont, postEvent

Constructor Detail

MainWindow

```
public MainWindow(java.lang.String name)
```

MainWindow is divided in two major parts which are initialized by initComponents() 1. Side Panel 2. Appointment Panel

Method Detail

toggleSearch

```
public void toggleSearch()
```

Allows the user to switch between showing and hiding the search pane. If a different side pane is open (e.g. the appointment confirmation pane or the waitlist pane), that pane will be closed before opening the search pane.

toggleApptConfirmation

```
public void toggleApptConfirmation()
```

Allows the user to switch between showing and hiding the appointment confirmation pane. If a different side pane is open (e.g. the search pane or the waitlist pane), that pane will be closed before opening the search pane.

toggleWaitList

```
public void toggleWaitList()
```

toggleWaitList() allows the user to switch between showing and hiding the wait list pane. If a different side pane is open (e.g. the search pane or the appointment confirmation pane), that pane will be closed before opening the search pane.

resetAppointmentPanel

```
public void resetAppointmentPanel()
```

Resets the entire appointment panel, such as when changing time slots.

inMonthView

```
public boolean inMonthView()
```

Determines if user is in day or month view.

Returns:

true if in month view, false otherwise.

showingSearch

```
public boolean showingSearch()
```

Determines if the search pane is open.

Returns:

true is search pane is open, false otherwise.

showingApptConfirmation

```
public boolean showingApptConfirmation()
```

Determines if the appointment confirmation pane is open.

Returns:

true if the appointment confirmation pane is open, false otherwise.

showingWaitList

```
public boolean showingWaitList()
```

Determines if the wait list pane is open.

Returns:

true if the wait list pane is open, false otherwise.

getCurrentDay

```
public data.Day getCurrentDay()
```

Returns an instance of the Day class to retrieve a representation of a day (including date and time slot).

Returns:

the day from the DayPanel

See Also:

Day

refresh

```
public void refresh()
```

Resets the date of the current day.

switchView

```
public void switchView()
```

Allows the user to switch between day and month view and resets all panes accordingly, especially if a split pane is already open (e.g. the search, appointment confirmation, or wait list panes).

setDate

```
public void setDate(data.Date date)
```

Sets the date.

Parameters:

`date` -- an instance of the Date class

See Also:

`Date`

setDay

```
public void setDay(data.Day day)
```

Sets the day.

Parameters:

`day` -- an instance of the Day class that represents a particular date.

See Also:

`data.day`

getAppPanel

```
public AppointmentPanel getAppPanel()
```

Gets the appointment panel.

Returns:

An instance of AppointmentPanel

See Also:

`AppointmentPanel`

getMonthPanel

```
public MonthPanel getMonthPanel()
```

Gets the month panel.

Returns:

An instance of the Month Panel

See Also:

MonthPanel