# **View Class Diagram**

### **HomeAudioSystemPage**

- SERIAL\_VERSION\_UID:long
- locationButton: JButton - libraryButton: JButton
- initComponents(): void
- locationButtonActionPerformed(ActionEvent): void
- libraryButtonActionPerformed(ActionEvent): void

#### Location View

#### LocationPage

- SERIAL VERSION UID:long
- errorMessage:Jlabel
- locationNameLabel:JLabel
- locationNameTextField:JTextField
- volumeLabel:JLabel
- volumeSlider:JSlider
- isMuteLabel:JLabel
- isMuteCheckbox:Checkbox
- addLocationButton:JButton
- locationsLabel:JLabel
- locationsTable:JTable
- locationsScrollPane:JScrollPane
- error:String
- initComponents(): void
- refreshData(): void
- addLocationButtonActionPerformed (ActionEvent): void

#### AddMusicToLocationPage

- SERIAL VERSION UID:long
- librarySongsTable:JTable
- librarySongsScrollPane:JScrollPane
- libraryAlbumsTable:JTable
- libraryAlbumsScrollPane:JScrollPane
- libraryPlaylistsTable:JTable
- libraryPlaylistsScrollPane:JScrollPane
- initComponents(): void
- refreshData(): void
- addMusicButtonActionPerformed (ActionEvent): void

# AdjustVolumePage

- SERIAL\_VERSION\_UID:long
- volumeLabel:JLabel
- volumeSlider:JSlider
- isMuteLabel:JLabel
- isMuteCheckbox:Checkbox
- initComponents(): void
- refreshData(): void
- isMuteCheckboxActionPerformed

(ActionEvent): void

- isVolumeSliderActionPerformed (ActionEvent): void

# PlayPauseStreamPage

- SERIAL VERSION UID:long
- error:JLabel
- songPlaying:JLabel
- albumPlayling:JLabel
- artistPlaying:JLabel
- amountPlayedSoFar:JLabel
- songDuration:JLabel
- playPauseButton:JButton
- initComponents(): void
- refreshData(): void
- playButtonActionPerformed
- (ActionEvent): void
- pauseButtonActionPerformed (ActionEvent): void

#### Library View

#### AddAlbumPage

- SERIAL\_VERSION\_UID:long
- errorMessage:JLabel
- genreList:JComboBox<String>
- genreLabel:JLabel
- albumNameTextField:JTextField
- albumNameLabel:JLabel
- artistNameTextField:JTextField
- artistNameLabel:JLabel
- releaseDatePicker:JDatePickerImpl
- releaseDateLabel:JLabel
- addAlbumButton:JButton
- songsTable:JTable
- songScrollPane:JScrollPane
- songNameLabel:JLabel
- songNameTextField:JTextField
- songDurationSpinner:JSpinner
- $song {\tt Duration Label: JLabel}\\$
- addSongButton:JButton
- error:String
- selectedGenre:Integer
- genres:HashMap<Integer, Genres>
- initComponents(): void
- refreshData(): void
- addAlbumButtonActionPerformed (ActionEvent): void
- addSongButtonActionPerformed (ActionEvent): void

## DeleteLibraryItemsPage

- SERIAL\_VERSION\_UID:long
- libraryItemsTable:JTable
- libraryItemsLabel:JLabel
- deleteItemButton:JButton
- initComponents(): void
- refreshData(): void
- $\hbox{- library} \\ Items \\ Table \\ Action \\ Performed$

(ActionEvent): void

 deleteItemButtonActionPerformed (ActionEvent): void

#### AddSongToPlaylistPage

#### - SERIAL VERSION UID:long

- errorMessage:JLabel
- songLabel:JLabel
- songList:JComboBox<String>
- playlistLabel:JLabel
- playlistList:JComboBox<String>
- addSongToPlaylistButton:JButton
- error:String
- selectedSong:Integer
- songs:HashMap<Integer, Song>
- selectedPlaylist:Integer
- playlists: HashMap < Integer, Playlist >
- initComponents(): void
- refreshData(): void
- addSongToPlaylistButtonActionPerformed (ActionEvent): void

# LibraryPage

- SERIAL VERSION UID:long
- addAlbumButton:JButton
- createPlaylistButton:JButton
- addSongToPlaylistButton:JButton
- initComponents(): void
- addAlbumButtonActionPerformed

(ActionEvent): void

- createPlaylistButtonActoinPerformed (ActionEvent): void
- addSongToPlaylistButtonActionPerformed (ActionEvent): void

#### CreatePlaylistPage

- SERIAL VERSION UID:long
- errorMessage:JLabel
- playlistNameLabel:JLabel
- playlistNameTextField:JTextField
- songLabel:JLabel
- songList:JComboBox<String>
- addPlaylistButton:JButton
- addSongButton:JButton
- songsTable:JTable
- songScrollPane:JScrollPane
- initComponents(): void
- refreshData(): void
- add Song Button Action Performed

(ActionEvent): void

- addPlaylistButtonActionPerformed

(ActionEvent): void

### DateLabelFormatter

- SERIAL VERSION UID:long
- datePattern:String
- dateFormatter:SimpleDateFormat
- + stringToValue(text: String): Object
- + valueToString(value: Object):

Object