# View Class Diagram

### HomeAudioSystemPage

- SERIAL_VERSION_UID:long
- locationButton: JButton
- libraryButton: JButton

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- initComponents()
- locationButtonActionPerformed(ActionEvent)
- libraryButtonActionPerformed(ActionEvent)

## 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

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- initComponents()
- refreshData()
- addLocationButtonActionPerformed
(ActionEvent)

### AddMusicToLocationPage

- SERIAL_VERSION_UID:long
- librarySongsTable:JTable
- librarySongsScrollPane:JScrollPane
- libraryAlbumsTable:JTable
- libraryAlbumsScrollPane:JScrollPane
- libraryPlaylistsTable:JTable
- libraryPlaylistsScrollPane:JScrollPane

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- initComponents()
- refreshData()
- addMusicButtonActionPerformed
(ActionEvent)

### AdjustVolumePage

- SERIAL_VERSION_UID:long
- volumeLabel:JLabel
- volumeSlider:JSlider
- isMuteLabel:JLabel
- isMuteCheckbox:Checkbox

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- initComponents()
- refreshData()
- isMuteCheckboxActionPerformed
(ActionEvent)
- isVolumeSliderActionPerformed
(ActionEvent)

### PlayPauseStreamPage

- SERIAL_VERSION_UID:long
- error:JLabel
- songPlaying:JLabel
- albumPlayling:JLabel
- artistPlaying:JLabel
- amountPlayedSoFar:JLabel
- songDuration:JLabel
- playPauseButton:JButton

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- initComponents()
- refreshData()
- playButtonActionPerformed
(ActionEvent)
- pauseButtonActionPerformed
(ActionEvent)
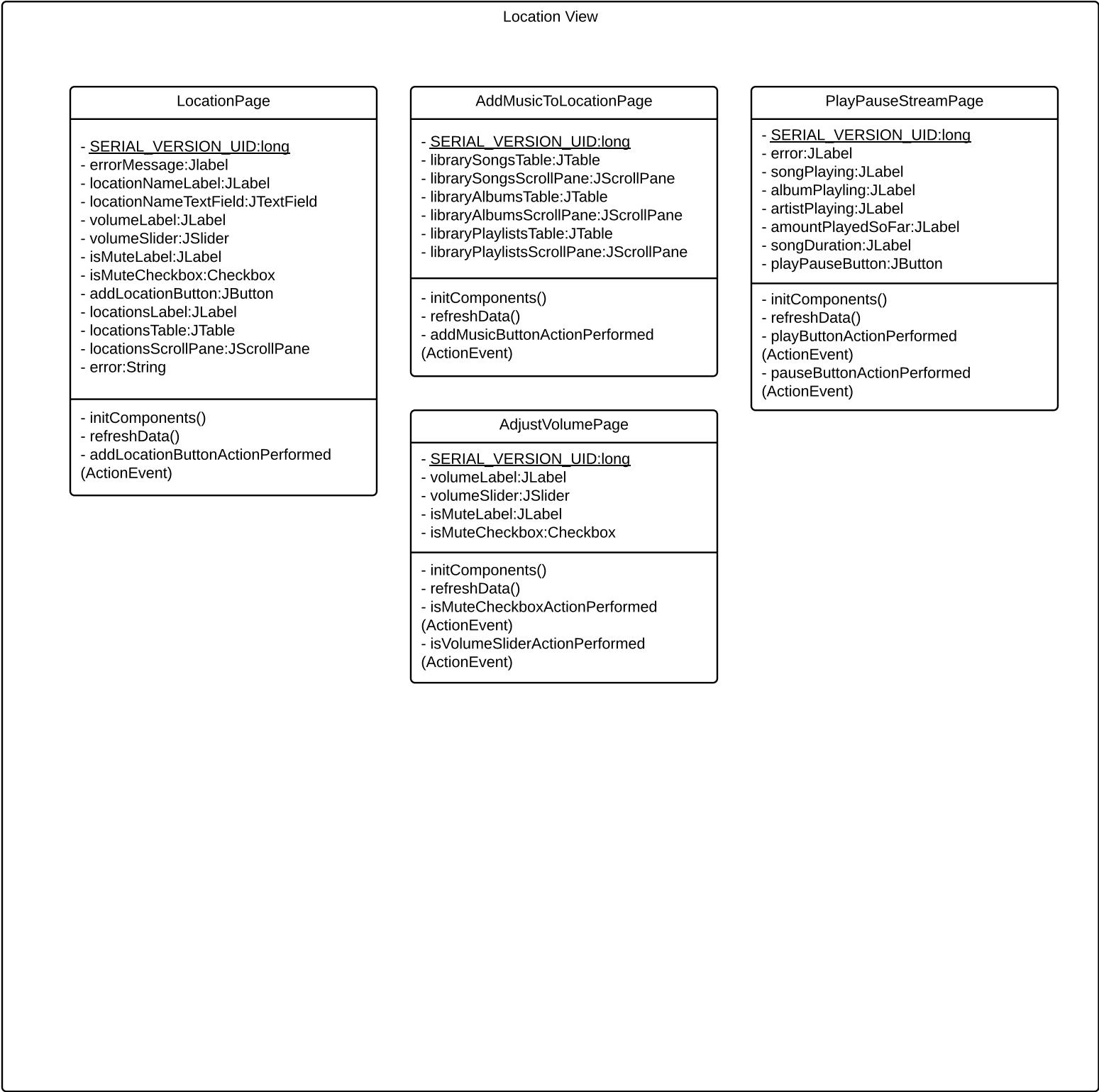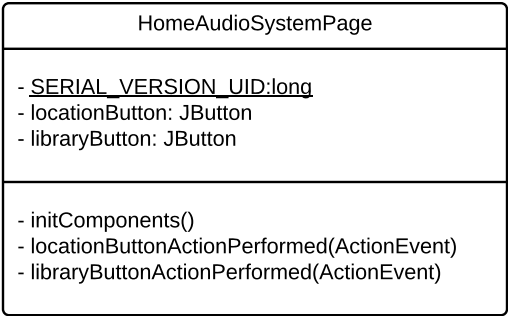
# Library View

## 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
- songDurationLabel:JLabel
- addSongButton:JButton
- error:String
- selectedGenre:Integer
- genres:HashMap<Integer, Genres>

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- initComponents()
- refreshData()
- addAlbumButtonActionPerformed
(ActionEvent)
- addSongButtonActionPerformed
(ActionEvent)

## 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>

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- initComponents()
- refreshData()
- addSongToPlaylistButtonActionPerformed
(ActionEvent)

## CreatePlaylistPage

- SERIAL_VERSION_UID:long
- errorMessage:JLabel
- playlistNameLabel:JLabel
- playlistNameTextField:JTextField
- songLabel:JLabel
- songList:JComboBox<String>
- addPlaylistButton:JButton
- addSongButton:JButton
- songsTable:JTable
- songScrollPane:JScrollPane

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- initComponents()
- refreshData()
- addSongButtonActionPerformed
(ActionEvent)
- addPlaylistButtonActionPerformed
(ActionEvent)

## LibraryPage

- SERIAL_VERSION_UID:long
- addAlbumButton:JButton
- createPlaylistButton:JButton
- addSongToPlaylistButton:JButton

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- initComponents()
- addAlbumButtonActionPerformed
(ActionEvent)
- createPlaylistButtonActoinPerformed
(ActionEvent)
- addSongToPlaylistButtonActionPerformed
(ActionEvent)

## DateLabelFormatter

- SERIAL_VERSION_UID:long
- datePattern:String
- dateFormatter:SimpleDateFormat

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+ stringToValue(text: String):Object
+ valueToString(value:
Object):Object

## DeleteLibraryItemsPage

- SERIAL_VERSION_UID:long
+ attribute2:type
- attribute3:type

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- initComponents()
- refreshData()
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