Controller Class Diagram

Library Controller

SongController

+ getAllSongsFromLibrary(): LinkedList<Song>

SongMetadata

+ title: String
+ duration: int

AlbumController

+ createAlbum(title: String, artistName: String, releaseDate: java.sql.Date, genreName: String, songMetadata: LinkedLIst<SongMetadata>)

PlaylistController

+ createPlaylist(playlistTitle: String)
+ addSongToPlaylist(song: Song, playlist: Playlist)

ArtistController

+ createArtist(artistName: String)

Location Controller

VolumeController

+ incrementVolumeByOne(location: Location): boolean
+ decrementVolumeByOne(location: Location): boolean
+ setVolume(location: Location, volumeLevel: int)
+ setVolume(location: Location, percentageOfVolume: float)
+ mute(location: Location): boolean
+ unmute(location: Location): boolean
+ getCurrentSoundLevel(location: Location): int

LocationCreationController

+ createLocation(name: String)

PlaybackController

- timer: ScheduledExecutionManager
- currentlyPlayingSong: Song

+ playStream(location: Location)
+ pauseStream(location: Location): int
- loadNextSong()

QueueMusicController

+ queuePlaylist(location: Location, playlist: Playlist)
+ queueSong(location: Location, song: Song)
+ removePlaylist(location: Location, playlist: Playlist)
+ removeSong(location: Location, song: Song)