Controller Class Diagram

Library Controller SongController SongMetadata AlbumController + title: String + duration: int + getAllSongsFromLibrary(): LinkedList<Song> + createAlbum(title: String, artistName: String, releaseDate: java.sql.Date, genreName: String, songMetadata: LinkedLIst<SongMetadata>): void PlaylistController + createPlaylist(playlistTitle: String):void + addSongToPlaylist(song: Song, playlist: Playlist): ArtistController + createArtist(artistName: String): void

VolumeController + incrementVolumeByOne(location: Location): boolean + createLocation(name: String) + decrementVolumeByOne(location: Location): boolean + setVolume(location: Location, volumeLevel: int) + setVolume(location: Location, percentageOfVolume: float) + mute(location: Location): boolean + unmute(location: Location): boolean

QueueMusicController

- + queuePlaylist(location: Location, playlist: Playlist): void
- + queueSong(location: Location, song: Song): void

+ getCurrentSoundLevel(location: Location): int

- + removePlaylist(location: Location, playlist: Playlist): void
- + removeSong(location: Location, song: Song): void

LocationCreationController

PlaybackController

- timer: ScheduledExecutionManager
- currentlyPlayingSong: Song
- + playStream(location: Location): void
- + pauseStream(location: Location): int
- loadNextSong(): void