LibraryModel.java

- favorites : List<Song>
- userLib : List<Song>
- playlists : List<Playlist>

+ addFavorite(song : Song) : void
+ removeFavorite(song : Song) : void
+ getFavorite() : List<Song>
+ rateSong(Song: song, int rating) : void
+ addSongToLib(Song song) : void
+ makePlaylist(String name) : void
+ getPlaylistByName(String name) : Playlist
+ addSongToPlaylist(String name, Song song) : void
+ removeSongFromPlaylist(String name, Song song) : void
+ getPlaylists() : List<Playlist>

MusicStore.java

- songs : List<Song>
- albums : List<Album>
- file : String

+ addSong(Song song) : void
+ addAlbum(Album album): void
+ getSongByTitle(Song song) : Song
+ getSongByArtist(Artist artist) : Song
+ readFile() : void

Artist

- name : String

+ getName() : String

Album.java

- album : List<Songs>
- title : String
- artist : Artist

+ getArtists() : String
+ getTitle() : String
+ getSongs() : List<String>
+ addSong() : void

Song

- title : String
- artist : Artist
- album : Album
- rating : Integer

+ setRating(int rating) : void
+ toString() : String
+ getTitle() : String
+ getArtist() : String
+ getAlbum() : String
+ getRating() : Int
+ toString() : String

Playlist.java

- playlist : List<Song>
- name : String

+ getName() : String
+ getSongs() : List<String>
+ addSong(Song song) : void
+ removeSong(Song song) : void