LibraryModel.java

- favorites : List<Song>
- userLib : List<Song>
- playlists : List<Playlist>
- albums : List<Album>
- artists : List<Artist>

+ addFavorite(song : Song) : void
+ removeFavorite(song : Song) : void
+ getFavorite() : List<Song>
+ rateSong(Song: song, int rating) : void
+ addSongToLib(Song song) : void
+ addArtist(Artist artist, MusicStore store) : void
+ makePlaylist(String name) : void
+ getPlaylistByName(String name) : Playlist playlist
+ addSongToPlaylist(String name, Song song) : void
+ removeSongFromPlaylist(String name, Song song) : void
+ getPlaylists() : List<String>
+ getSongNames() : List<String>
+ getArtists() : List<String>
+ getAlbums() : List<String>
+ getPlaylists() : List<String>
+ getFavoriteSongs() : List<String>
+ getPlaylistSongs(String playlistName) : String
+ searchSongByTitle(String title) : String
+ searchSongByArtist(String artist) : String
+ searchAlbumByTitle(String title) : String
+ searchAlbumByArtist(String artist) : String

MusicStore.java

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

+ addSong(Song song) : void
+ addAlbum(Album album): void
+ addArtist(Artist artist) : void
+ getArtist() : List<String>
+ searchSongByTitle(String title) : String
+ searchSongByArtist(String artist) : String
+ searchAlbumByTitle(String title) : String
+ searchAlbumByArtist(String artist) : String
- readALbumsList() : void
- readAlbumFile(String fileName, String ArtistName) : void
+getSongs() : List<String>
+getAlbums() : List<String>

Album.java

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

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

Playlist.java

- playlist : List<Song>
- name : String

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

Artist

- name : String

+ getName() : String