LibraryView

model: LibraryModelscanner: Scanner

- + LibraryView(model: LibraryModel)
 - + displayMainMenu(): void
 - + promptForCommand(): void
 - + getUserInput(): String
 - + displaySearchResults(results: Object): void
 - handleStoreSearch(): void
 - handleSongSearchBvTitle(): void
 - handleSongSearchBvArtist(): void
 - handleAlbumSearchByTitle(): void
 - handleAlbumSearchByArtist(): void
 - handleAddSong(): void
 - handleAddAlbum(): void
 - handleLibraryMenu(): void
 - handleRemoveSong(): voidhandleRemoveAlbum(): void
 - displayLibrarySongs(): void
 - displayFavorites(): void
 - displayLibraryAlbums(): void
 - displayLibraryArtists(): void
 - handlePlavlistMenu(): void
 - createPlaylist(): void
 - addSongToPlaylist(): void
 - removeSongFromPlaylist(): void
 - displayPlaylists(): void
 - handleRatingMenu(): void
 - handleMarkAsFavorite(): void
 - handleSongRating(): void
 - getRatingStars(rating: int): String
 - printSongWithRating(song: Song): void

LibraryModel

- songLibrary: Set<Song>albumLibrary: Set<Album>
- playlists: List<Playlist>
- musicStore: MusicStore
- + LibraryModel(musicStore: MusicStore)
- + getMusicStore(): MusicStore
- + addSong(song: Song): void
- + removeSong(song: Song): void
- + addAlbum(album: Album): void
- + removeAlbum(album: Album): void
- + getSongLibrary(): Set<Song>

interacts with

- + getAlbumLibrary(): Set<Album>
 + searchSongByTitle(title: String): List<Song>
- + searchSongBvArtist(artist: String): List<Song>
- + searchAlbumByTitle(title: String): Album
- + searchAlbumByArtist(artist: String): List<Album>
- + searchSongByArtistAndTitle(artist: String, title: String): Song
- + searchStoreSongByTitle(title: String): List<Song>
- + searchStoreSongByArtist(artist: String): List<Song>
- + searchStoreAlbumByTitle(title: String): Album
- + searchStoreAlbumByArtist(artist: String): List<Album>
- + createPlaylist(name: String): Playlist
- + getPlaylists(): List<Playlist>
- + getPlaylistByName(name: String): Playlist
- + rateSong(song: Song, rating: int): void
- + getFavoriteSongs(): List<Song>
- + markAsFavorite(song: Song): void
- + getArtists(): List<String>- inStore(song: Song): boolean
- inStore(album: Album): boolean

