**Detailed System Test Cases**

Assign empty album to a location

1. Add an album to the library:
   1. Name and genre field must be properly filled out (cannot be empty or filled with white spaces).
   2. Release date must be picked from date picker.
   3. Press addAlbum button.
2. Verify the album has been successfully added:
   1. Check that the album exists in the album selection spinner.
   2. In the persistence file: The album object is present with all the correct fields.
3. Add a location to the library:
   1. Name field must be properly filled out (cannot be empty or filled with white spaces).
   2. Press addLocation button.
4. Verify the location has been successfully added:
   1. In the application: the location name appears in the locations spinner.
   2. In the persistence file: The location object is present with the location name.
5. Assign album to existing location:
   1. Album and location must be specified
   2. Press AssignAlbumToLocation button
6. Verify the album has not been assigned to the proper location:
   1. The application shows the proper error message.
   2. In the persistence file: The specified album’s ID does not appear within the specified location.

Clear previously assigned songs/albums/playlist from all locations

1. Add an album to the library:
   1. Make sure all the fields (name, genre, release Date) are filled correctly (cannot be empty or filled with white spaces).
   2. Press the “AddAlbum” button,
2. Verify that album has been successfully added:
   1. In the application: the album name appears in the albums spinner.
   2. In the persistence file: The album object is present with all the correct fields.
3. Add a song to the library:
   1. Make sure all the fields (title, duration, position in album, album, artist) filled correctly (cannot be empty or filled with white spaces).
   2. Press the “AddSong” button
4. Verify that the song was added correctly:
   1. In the application: the song name appears in the songs spinner.
   2. In the persistence file: The song object is present with all the correct fields.
5. Add a playlist to the library:
   1. Name field must be properly filled (cannot be empty or filled with white spaces).
   2. Press the “AddPlaylist” button.
6. Verify the playlist was added correctly:
   1. In the application: the playlist name appears in the playlists spinner.
   2. In the persistence file: The playlist object is present with the playlist name.
7. Add a location to the library:
   1. Name field must be filled properly (cannot be empty or filled with white spaces).
   2. Press “AddLocation” button.
8. Verify that the location was properly added:
   1. In the application: the location name appears in the locations spinner.
   2. In the persistence file: The location object is present with the location name.
9. Add a song to an existing playlist:
   1. Both song and playlist are must be specified
   2. Pressing the “AddSongToPlaylist” button
10. Verify that the song was properly added:
    1. In the persistence file: The specified song’s ID appears within the specified playlist.
11. Add a song to an existing album:
    1. Both song and album must be specified
    2. Pressthe “AddSongToAlbum” button
12. Verify that the song was properly added:
    1. In the persistence file: The specified song’s ID appears within the specified album.
13. Assign a song to an existing location:
    1. Both song and location must be specified
    2. Press the “AssignSongToLocation” button
14. Verify that the song was properly added:
    1. In the persistence file: The specified song’s ID appears within the specified location.
15. Assign an album to an existing location:
    1. Both album and location must be specified
    2. Press the “AssignAlbumToLocation” button
16. Verify that album was properly added:
    1. In the persistence file: The specified album’s ID appears within the specified location.
17. Assign a playlist to an existing location:
    1. Both playlist and location must be specified
    2. Press the “AssignPlaylistToLocation” button
18. Verify that the playlist was properly added:
    1. In the persistence file: The specified playlist’s ID appears within the specified location.
19. Clear previously assigned songs/albums/playlist from all locations:
    1. The location must specified
    2. Press the “ClearAllLocations” button
20. Verify that assigned songs/albums/playlists were properly cleared:
    1. In the persistence file: The specified locations do not have any song, album or playlist assigned (there is no IDs inside of the locations).