

Detailed System Test Cases

Assign empty album to a location

1. Add an album to the library:
 - a. Name and genre field must be properly filled out (cannot be empty or filled with white spaces).
 - b. Release date must be picked from date picker.
 - c. Press addAlbum button.
2. Verify the album has been successfully added:
 - a. Check that the album exists in the album selection spinner.
 - b. In the persistence file: The album object is present with all the correct fields.
3. Add a location to the library:
 - a. Name field must be properly filled out (cannot be empty or filled with white spaces).
 - b. Press addLocation button.
4. Verify the location has been successfully added:
 - a. In the application: the location name appears in the locations spinner.
 - b. In the persistence file: The location object is present with the location name.
5. Assign album to existing location:
 - a. Album and location must be specified
 - b. Press AssignAlbumToLocation button
6. Verify the album has not been assigned to the proper location:
 - a. The application shows the proper error message.
 - b. 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:
 - a. Make sure all the fields (name, genre, release Date) are filled correctly (cannot be empty or filled with white spaces).
 - b. Press the "AddAlbum" button,
2. Verify that album has been successfully added:
 - a. In the application: the album name appears in the albums spinner.
 - b. In the persistence file: The album object is present with all the correct fields.
3. Add a song to the library:
 - a. Make sure all the fields (title, duration, position in album, album, artist) filled correctly (cannot be empty or filled with white spaces).
 - b. Press the "AddSong" button
4. Verify that the song was added correctly:
 - a. In the application: the song name appears in the songs spinner.
 - b. In the persistence file: The song object is present with all the correct fields.

5. Add a playlist to the library:
 - a. Name field must be properly filled (cannot be empty or filled with white spaces).
 - b. Press the "AddPlaylist" button.
6. Verify the playlist was added correctly:
 - a. In the application: the playlist name appears in the playlists spinner.
 - b. In the persistence file: The playlist object is present with the playlist name.
7. Add a location to the library:
 - a. Name field must be filled properly (cannot be empty or filled with white spaces).
 - b. Press "AddLocation" button.
8. Verify that the location was properly added:
 - a. In the application: the location name appears in the locations spinner.
 - b. In the persistence file: The location object is present with the location name.
9. Add a song to an existing playlist:
 - a. Both song and playlist are must be specified
 - b. Pressing the "AddSongToPlaylist" button
10. Verify that the song was properly added:
 - a. In the persistence file: The specified song's ID appears within the specified playlist.
11. Add a song to an existing album:
 - a. Both song and album must be specified
 - b. Press the "AddSongToAlbum" button
12. Verify that the song was properly added:
 - a. In the persistence file: The specified song's ID appears within the specified album.
13. Assign a song to an existing location:
 - a. Both song and location must be specified
 - b. Press the "AssignSongToLocation" button
14. Verify that the song was properly added:
 - a. In the persistence file: The specified song's ID appears within the specified location.
15. Assign an album to an existing location:
 - a. Both album and location must be specified
 - b. Press the "AssignAlbumToLocation" button
16. Verify that album was properly added:
 - a. In the persistence file: The specified album's ID appears within the specified location.
17. Assign a playlist to an existing location:
 - a. Both playlist and location must be specified
 - b. Press the "AssignPlaylistToLocation" button
18. Verify that the playlist was properly added:

- a. In the persistence file: The specified playlist's ID appears within the specified location.
- 19. Clear previously assigned songs/albums/playlist from all locations:
 - a. The location must specified
 - b. Press the "ClearAllLocations" button
- 20. Verify that assigned songs/albums/playlists were properly cleared:
 - a. In the persistence file: The specified locations do not have any song, album or playlist assigned (there is no IDs inside of the locations).