Test Plan for Songify (Music Playlist)

This document contains the details of the test cases that are being used on the Music Playlist Website.

The basic operations present in our software are:

1. Login
2. Account Management
3. Playlist management
4. Playlist statistics
5. Recently Played
6. Sharing Playlists
7. Top Picks
8. Songs
9. Login

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | GUI Validation | 1. Ensure login page is displayed correctly 2. Ensure flows on login page do not have any spelling mistakes 3. Able to enter data into username and password field | * We get a form that asks for input (email and password) * A submit button is displayed * All the login objects and text are spelled correctly * Password field hides actual password with dots |
| 2 | Login Validation | 1. Enter a valid email and password 2. Hit enter/Hit login button | * Message that says “logged in successfully” * Immediately loads to home page as logged in * Navbar changes, with option to log out and create a playlist and go to account page |
| 3 | Invalid User Name | 1. Enter an invalid username 2. Valid Password 3. Hit enter/Hit login button | * It does not allow invalid email formatting * An error popup appears on the input field explaining what is wrong |
| 4 | Invalid Password | 1. Enter a valid username 2. Enter an invalid password 3. Hit enter/Hit login button | * Error message given stating user does not exist and that they have to register |
| 5 | Invalid User Name and Password | 1. Enter an invalid username and password 2. Hit enter/Hit login button | * Error message given stating user does not exist and that they have to register |
| 6 | Multiple invalid logins | 1. Login using invalid credentials multiple times | * Same behavior as above consistently |

1. Account Management

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | Register a new account | 1. Go to login page 2. Click register 3. Enter email and password | * Receive notification (pop up) that account has been registered successfully * Loads to login page |
| 2 | Logout and log back in | 1. Logout of account 2. Log back in | * Logs out of account and loads homepage |
| 3 | Attempt to logout twice | 1. Log out 2. Attempt log out again | * Sends you to the login page * Receives warning message that says you have to be logged in to log out |
| 4 | Convert DJ Profile to admin status | 1. Go to account settings 2. Click set as administrator | * In the accounts page you will be able to see whether you are an admin or not |
| 5 | Ensure playlist is maintained on logout | 1. After logging into an account create a playlist 2. Ensure that it is retained on logout | * Playlist remains same when logging out and logging back in |

1. Playlist Management

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | Create a new playlist | 1. Login to a new account 2. Create a new playlist | * Takes you to a form page * Has input field for title of playlist * Input field for list of songs available * And a submit button that says “create playlist” |
| 2 | Add songs to new playlist | 1. Add 3 songs to playlist | * Select three 3 songs on the list * Notice difference between selected and unselected |
| 4 | Edit existing playlist | 1. Choose existing playlist 2. Delete 1 song 3. Add another song | * The form page is loading similar to when create a new playlist * The songs must be updated with ones you want to keep |
| 5 | Add songs to playlist repeatedly | 1. Repeatedly add songs to a playlist | * Choose as many songs as you would like |
| 6 | Sort songs by alphabetical order | 1. Sort songs by clicking A-Z | * Click on drop down select A-Z * (TODO) |
| 7 | Sort songs by most played | 1. Sort clicking most to least | * Click on drop down and select Most Recent |
| 8 | Sort songs by least played | 1. Sort by clicking least to most | * Click on drop down and select Least Recent |

1. Playlist Statistics

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | Check log of songs played by users | 1. Check most played song for another user | * In the accounts page you can see the songs the user has played |

1. Recently Played

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | Shows what you were recently listening to | 1. Find recently played song | * Pick last played and show user |

1. Songs

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | Shows all songs on the website | 1. Can view all songs on the website | * Found on songs page |
| 2 | Check the duration of the time | 1. Shows how long the song is and how long is left | * Songs display length beside their title |
| 3 | Check the song name and artist(s) | 1. Shows song name and artist(s) names | * Displayed with song title * And on individual song page |