Test Plan for Songify (Music Playlist)

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

<http://my-songify.herokuapp.com/>

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 |