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 |  |
| 2 | Login Validation | 1. Enter a valid username and password 2. Hit enter/Hit login button |  |
| 3 | Invalid User Name | 1. Enter an invalid username 2. Valid Password 3. Hit enter/Hit login button |  |
| 4 | Invalid Password | 1. Enter a valid username 2. Enter an invalid password 3. Hit enter/Hit login button |  |
| 5 | Invalid User Name and Password | 1. Enter an invalid username and password 2. Hit enter/Hit login button |  |
| 6 | Multiple invalid logins | 1. Login using invalid credentials multiple times |  |
| 7 | Valid login account #1 | 1. Try a different login username and password from previous |  |

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 |  |
| 2 | Logout and log back in | 1. Logout of account 2. Log back in |  |
| 3 | Convert DJ Profile to admin status | 1. Go to account settings 2. Click set as administrator |  |
| 4 | Ensure playlist is maintained on logout | 1. After logging into an account create a playlist 2. Ensure that it is retained on logout |  |

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 |  |
| 2 | Add songs to new playlist | 1. Add 3 songs to playlist |  |
| 3 | Delete existing playlist | 1. Delete an existing playlist |  |
| 4 | Edit existing playlist | 1. Choose existing playlist 2. Delete 1 song 3. Add another song |  |
| 5 | Add songs to playlist repeatedly | 1. Repeatedly add songs to a playlist |  |
| 6 | Sort songs by alphabetical order | 1. Sort songs by clicking A-Z |  |
| 7 | Sort songs by most played | 1. Sort clicking most to least |  |
| 8 | Sort songs by least played | 1. Sort by clicking least to most |  |

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 play song for another user |  |
| 2 | Check frequencies of songs played by users | 1. Find most played song |  |
| 3 | Check top ten songs in a playlist | 1. Find top ten songs on playlist |  |

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 |  |
| 2 | Check main page to see what you were recently listening to | 1. Once logged in, can check what song was recently playing |  |

1. Sharing Playlist

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | Share playlist with friends and family | 1. Share playlist with others |  |
| 2 | Check if playlist has been shared with other people | 1. Once a playlist has been shared, you will receive a message |  |

1. Top Picks

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| Test Case ID | Purpose | Steps | Expected Result |
| 1 | Shows top ten songs worldwide | 1. Can view top ten songs worldwide |  |
| 2 | Check which songs are trending world wide | 1. Find top ten songs worldwide |  |
| 3 | Check which songs are most played on the website | 1. Find out the most played song(s) on the website |  |

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 |  |
| 2 | Check the duration of the time | 1. Shows how long the song is and how long is left |  |
| 3 | Check the song name and artist(s) | 1. Shows song name and artist(s) names |  |