

System and Unit Test Report - Spotify Tags – Spotify Tags - March 14th 2023

Sprint 2

User Stories:

- **(13) As a listener, I want to be able to see a list of songs available to play so that I know what songs I can choose from.**
- **(5) As a listener, I want to click a song and for it to play so that I can listen to the song.**
- **(3) As a listener, I want to be able to press pause/play to pause/unpause the music, so that I can start or stop the music when I want to.**
- **(3) As a listener, I want to be able for the music to go directly into the next song after one song ends, so that I don't have to select every song to listen to.**

Scenario:

1. Start app; click login button

- a. a list of clickable songs should display**

As a listener, I want to be able to see a list of songs available to play so that I know what songs I can choose from.

2. Click 'Cool' by Gwen Stefani

- a. song should play**

As a listener, I want to click a song and for it to play so that I can listen to the song.

3. Click the pause button

- a. song should pause**

As a listener, I want to be able to press pause/play to pause/unpause the music, so that I can start or stop the music when I want to.

4. Click the play button

- a. song should start again**

As a listener, I want to be able for the music to go directly into the next song after one song ends, so that I don't have to select every song to listen to.

User Stories:

- **(13) As a listener, I want to be able to save tags to my account so that I can access them another time.**

Scenario:

- 1. Start app**
- 2. See tags on songs**
- 3. Log out**
- 4. Go to SwaggerUI and run GET /songs with userid TEST_USER_ID_1 to get the list of songs with the tags.**

Sprint 3

User Stories:

- **(3) As a listener, I want to be able to skip songs, so that I can skip over songs I don't want to listen to at the moment.**
- **(3) As a listener, I want to be able to have automatically added tags like artist and album, so that I can automatically listen to songs of the same artist or from the same album without adding tags to each song.**
- **(13) As a listener, I want to be able to enter an expression that changes the available list of songs so that I can only view the songs I want to at a certain time.**
- **(8) As a listener, I want to be able to sort the list of songs so that I can see them in an order that makes sense to me.**
- **(3) As a listener, I want to be able to display the currently playing (or paused) song.**

Scenario:

- 1. Start the app, click the login button, login to spotify with username and password.**

As a listener, I want to be able to skip songs, so that I can skip over songs I don't want to listen to at the moment.

As a listener, I want to be able to display the currently playing (or paused) song.

2. Click song in library
 - a. song should play
 - b. that song's name, artist name, and album name should turn bold and blue
3. Click pause button
 - a. currently paused song should still be bold and blue
4. Click the next button
 - a. next song in the library should start playing
 - b. this song should now be bold and blue
5. Click the prev button
 - a. previous song in the library should play
 - b. this song should now be bold and blue

As a listener, I want to be able to enter an expression that changes the available list of songs so that I can only view the songs I want to at a certain time.

As a listener, I want to be able to have automatically added tags like artist and album, so that I can automatically listen to songs of the same artist or from the same album without adding tags to each song.

6. Click on "Click to build expression..."

- a. expression builder should open
 - b. underneath the list of operators (i.e. AND, OR, BUT NOT) and song tags (i.e. rock, folk, etc), a list of all artists and album names from each song in library should appear.
7. Click “Gwen Stefani” tag in tag list to add to expression
- a. “Gwen Stefani” tag gets removed from tag list and is added to expression.
 - b. only “Cool” by Gwen Stefani will be in the list of songs
8. Click on “OR” operator and “Demi Lovato” tag in tag list.
- a. “OR” operator is still in list of tags but is added to expression.
 - b. “Demi Lovato” tag gets tag gets removed from tag list and is added to expression.
 - c. Only songs by Gwen Stefani or Demi Lovato will be in the list of songs.
9. Click on “Gwen Stefani”, “OR” operator, and “Demi Lovato” tag in expression.
- a. expression is now empty
 - b. “Gwen Stefani” and “Demi Lovato” tags gets added to list of tags.
 - c. All songs in library should now appear.
10. Click on “dance” tag, “AND” operator, “pop” tag, “BUT NOT” operator, and “Demi Lovato” tag in tag list.
- a. the full expression should have the following tags in this order:
“dance AND pop BUT NOT Demi Lovato.
 - b. “AND” and “BUT NOT” operators are still in tag list.

- c. “dance”, “pop”, and “Demi Lovato” tags get removed from tag list.
- d. All songs with “dance” and “pop” tags will appear in list of songs. All songs by Demi Lovato will not appear in list, even if they have “dance” and “pop” songs.

11. Click outside the expression builder.

- a. expression builder should close

As a listener, I want to be able to sort the list of songs so that I can see them in an order that makes sense to me.

12. Click on “SORT” button.

- a. Sort module should open.

13. Click on “Primary” dropdown list.

- a. list of possible different sorting options should appear (i.e. Song Name, Artist Name, etc)

14. Click on “Song Name” from dropdown list

15. Click on “Secondary” dropdown list and “Artist Name”.

16. Click on “SORT” button.

- a. list of songs should be ordered starting from A to Z by song name first and by artist names second.

17. Open sort module again, click on “Sort Type” dropdown list, click on “Reverse”, and click on “SORT” button.

- a. list of songs should be ordered starting from Z to A by song name first and by artist names second.

18. Remove all tags and operators from expression.

- a. all songs in library should be ordered starting from Z to A by

song name first and by artist names second.

Sprint 4

- **(5) As a listener, I want to be able to add tags to an entire album or artist.**
- **(13) As a listener, I want my information to be loaded when I open the app.**
- **(21) As a listener, I want to be able to add and delete tags from songs so that I can customize the tags on each song.**
- **(5) As a listener, I want to have labels for what things do in the frontend.**
- **(5) As a user I only want songs that I added tags to to show up in my library.**
- **(5) As a user I want the currently shown library to reflect the list of songs that are playing.**
- **(13) As a user, I want to see how far I am through the song.**
- **(3) As a listener, I want to be able to see and control the volume of the music playing.**

Scenario:

1. **Start the app, click the login button, login to spotify with username and password.**

Searching Spotify for a Song

2. **Click on the search bar, enter the name of a song**
3. **View the list of songs in the right half of the page, click on a song, there should be a popup.**

Adding/Removing Tags To Songs with the SongCard

- 4. Click on the space below the song, and click on a tag or type in a new tag name and press enter to add the tag to the song.**
- 5. Click on the tag below the song to delete the tag.**
- 6. Delete everything in the search field.**
- 7. View the song you added a tag to in the library.**

Playing a Song, Changing Volume, Scrubbing the Progress Bar

- 8. Click on the song to play it, the progress bar should show how far you are in the song.**
- 9. Turn up and down the volume to make the song louder or quieter.**
- 10. Click near the end of the song in the progress bar to get to the end of the song**
- 11. Wait for the song to finish, view that the next song in your library is played.**

Adding/Removing Tags From Songs with a Selected Tag

- 12. Hover over the plus icon, seeing the text ‘Click to select a tag to add to songs’**
- 13. Click on the plus icon, and select a tag from your list of tags (the selected tag)**
- 14. Click on the search bar, enter the name of a song**
- 15. Click on the Song on the right half of the screen to add the selected tag to it**
- 16. Click the selected tag in the top right corner to deselect it and see the main library screen again**
- 17. The song you added a tag to should appear in the library with that**

tag added to it