

## Sprint 2 Plan

### Spotify Tags

Sprint Completion Date: Tuesday, 14 February 2023

#### Goal(s):

- Be able to add tags to songs to create a list of songs. With these tags the user will be able to add/delete tags as well as be able to save the tags to use for another time
- To see a list of songs that depends on the given tag expression
- Create a database and connect that database to the backend

#### Task listing, organized by user story:

- **(13) As a listener, I want to be able to save tags to my account so that I can access them another time.**
  - Store the tags data in a database (6 hours) [Brandon]
    - key: (user ID, Spotify song ID), value: list of tags
    - make schema, tables, test data
  - Create a server to access the database from the backend. (6 hours) [Dustin]
    - methods to get and put a list of tags by Spotify song ID & user ID
    - method to get all tags for a user (distinct database query)
    - when getting songs, adds their tags and color as an attribute to the song
    - in js: {album: ..., artists: ..., ..., tags: {...}, color: "#color"}
    - normal spotify attributes for a song + tags and color
  - Hook up log out button to save the tags to database (2 hours) [Brandon]
    - uses the method Dustin implements above
    - songs in js are:
      - {album: ..., artists: ..., ..., tags: {...}, color: "#color"}
      - normal spotify attributes for a song + tags and color
  - Total for user story: 14 hours
- **(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.**
  - Create search bar frontend component (2 hours) [Armaan]
    - statically mounted at top of page under expression area
    - wireframe pg 1
  - Create a component to display the songs in Spotify (and that aren't in your

library). (5 hours) [Ryan]

- shows up when click on search bar, disappear when click off or click on song
- automatically updates as you type
- searches for songs in the library for that user, displays song img, artist, album (no tags?)
- wireframe pg 1
- Create a component to display the details of a song (5 hours) [Ryan]
  - pop-over with image, name, artist, album, and list of tags
  - shows up when you click a song in your library on on spotify (in those 2 lists)
- Add tags to a song when viewing its details (6 hours) [Ryan]
  - Shows the component of list of tags to choose from
  - If type one that doesn't exist, have button to add it
    - creates tag and adds it to that song
- Remove tags from a song when viewing its details (3 hours) [Ryan]
  - Keeps details open, just removes song from tags of that song
- Create a component to display the songs in your library. (5 hours) [Armaan]
  - shows up when click on search bar, disappear when click off or click on song
  - automatically updates as you type
  - searches for songs in spotify, displays song img, artist, album
  - wireframe pg 1
- Total for user story: 26 hours

● **(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.**

- Construct the statement (8 hours) [Diana]
  - Uses building blocks of tags
  - When click on the expression area, brings up a list of all tags
    - use get method implemented by Dustin
    - or just use fake data for a bit
  - includes OR, AND, BUT NOT as tags, so they are usable in the statement
    - these tags don't need a color, or just make it gray or something
    - make the names of these 3 tags uppercase
  - wireframe pg 2 (Sprint 2 Mockups.pdf)
- When in expression building mode, clicking a tag/element in the expression removes it from the expression. (2 hours) [Armaan]
- Display the expression (3 hours) [Ryan]

- Parse the statement and update library (10 hours) [Victor]
  - make function that determines if a songs tags adhere to given expression
  - use that function to filter library (js filter function)
  - if the statement is invalid, show there is an error
    - don't show the list of songs/show some other error message?
    - highlight expression red/some color?
  - assume all tags names are lowercase
- Total for user story: 23 hours
- **(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.**
  - When playing song, give list of songs instead of just one (2 hours) [Diana]
    - <https://developer.spotify.com/documentation/web-api/reference/#/operations/start-a-users-playback>
  - Total for user story: 2 hours
- (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.
  - ~~Create React play button component (2 hours) [Dustin]~~
  - Hook the button up to start or stop the music. (1 hour) [Victor]
    - if there is a song currently played, continue that song
      - otherwise, play first listed song
  - Total for user story: 3 hours
- (3) As a listener, I want to click a song and for it to play so that I can listen to the song.
  - Set up SpotifyPlayerSDK to play music (2 hours) [Diana]
  - On click on a song, use Spotify API to play the song (1 hour) [Diana]
    - <https://developer.spotify.com/documentation/web-api/reference/#/operations/start-a-users-playback>
      - use device ID and URI of songs to play (uris in body)
  - Refresh access token automatically (3 hours) [Brandon]
  - Total for user story: 6 hours

**Team Roles:**

- Ryan Gragg: Product Owner, Developer
- Brandon Shien: Developer
- Diana Flores: Developer
- Armaan Deol: Developer
- Dustin Creech: Scrum Master, Developer
- Victor Derbier: Developer

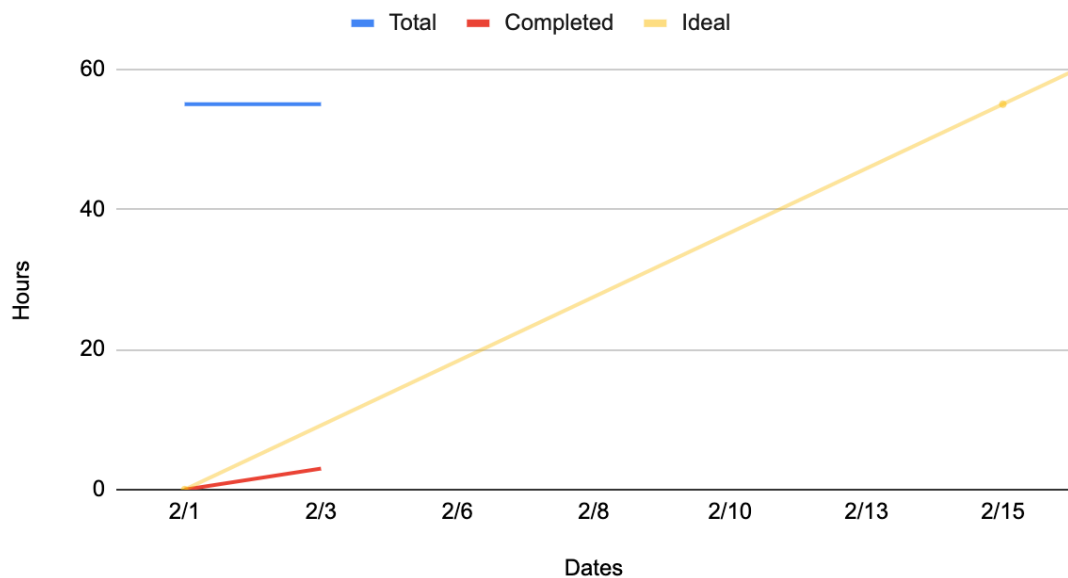
### **Initial task assignment:**

- Ryan Gragg: 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. Create a component to display the songs in Spotify (and that aren't in your library), Create a component to display the details of a song, and add tags to a song when viewing its details.
- Brandon Shien: As a listener, I want to be able to save tags to my account so that I can access them another time. Store the tags data in a database and hook up the log out button to save the tags to the database.
- Diana Flores: 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. Construct the statement.
- Armaan Deol: 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. When playing a song, give a list of songs instead of just one.  
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. Create a search bar frontend component and create a component to display the songs in your library.  
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. When in expression building mode, clicking a tag/element in the expression removes it from the expression.

- Dustin Creech: As a listener, I want to be able to save tags to my account so that I can access them another time. Create a server to access the database from the backend.
- Victor Derbier: 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. Parse the statement and update library.

### Initial burnup chart:

Sprint 2 Burn-up



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### Initial scrum board:

Projects / Spotify Tags

## ST Sprint 2

User Stories: 1) 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. 2) 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. 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.

⚡ ☆ ⌚ 6 days remaining **Complete sprint** ⋮

🔍 DF R BS AD +2 Label GROUP BY None Insights

### TO DO 11 ISSUES

Store the tags data in a database

will-do

✓ ST-10

6

Create a server to access the database from backend.

✓ ST-11

6

DC

Create search bar frontend component

✓ ST-12

2

Create a component to display the songs in Spotify (fitting the

### IN PROGRESS 4 ISSUES

Set up SpotifyPlayerSDK to play music (2 hours)

will-do

✓ ST-3

2

DF

On click on a song, use Spotify API to play the song (1 hour)

✓ ST-4

1

AD

Hook the button up to start or stop the music. (1 hour)

will-do

✓ ST-6

1

VD

### DONE 1 ISSUE ✓

Refresh access token automatically (3 hours)

will-do

✓ ST-2

3

BS

💡 Quickstart ✕

Projects / Spotify Tags

## ST Sprint 2

User Stories: 1) 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. 2) 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. 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.

⚡ ☆ ⌚ 6 days remaining **Complete sprint** ⋮

🔍 DF R BS AD +2 Label GROUP BY None Insights

### TO DO 11 ISSUES

Create a component to display the songs in your library (fitting the searchbar)

✓ ST-14

5

Construct the statement

✓ ST-15

8

Parse the statement and update list

✓ ST-16

10

When playing song, give list of songs instead of just one

will-do

### IN PROGRESS 4 ISSUES

### DONE 1 ISSUE ✓

💡 Quickstart ✕

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Projects / Spotify Tags

## ST Sprint 2

User Stories: 1) 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. 2) 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. 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.

DF

R

BS

AD

+2

Label

▼

GROUP BY

None

▼

Insights

TO DO 11 ISSUES

Hook up log out button to save the tags to database

✓

ST-29

2

Add tags to a song when viewing its details

✓

ST-31

6

R

When in expression building mode, clicking a tag/element in the expression removes it from the expression

✓

ST-32

2

IN PROGRESS 4 ISSUES

DONE 1 ISSUE ✓

Quickstart

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## Scrum times:

- “Daily” Scrum Meetings: **Monday, Wednesday, and Friday from 3 pm - 3:15 pm**
- Weekly Scrum Meeting with TA: **Friday from 3:15 pm - 4 pm**