Sprint Plan

**Product Name**: Group-ify

**Member Names**: Ashkan Shams, Hannah Wong, Kaitlyn Liao, Spencer Fulgham, Zachary Miller

# Goals:

## Sprint 1:

Goal: Our goal is to familiarize ourselves with the technologies. This research will allow us to develop a basic foundation for our web application.

## Sprint 2

Goal: We want to focus on developing the user profiles features and capabilities for customization, while tackling our spikes regarding a search bar and friend lists.

## Sprint 3:

Goal: We want to develop the features that allow users to connect and view friends’ profiles, as well as allowing users to control the privacy and visibility of features on their own profiles.

## Sprint 4:

Goal: Implement a group listening feature as well as generally cleaning up the web app ad tying loose ends.

# Task Listing

## Sprint 1:

**“As a Spotify user, I want to be able to login using my spotify account and have access to my profile.”**

Story Point Estimate: 13

Spikes:

* Spike 4: Learn how to make/fit different tiles for each feature
* Spike 7: Learn how multiple users can login to our website.

Task:

1. We need to make a skeleton website index at least. It doesn’t need to be pretty.
   1. Story Point Estimate: 1
2. Make logging in with Spotify possible on our website.
   1. Story Point Estimate: 3
3. Make a user be able to click on their profile picture to access their personal page. (or just make user profile the home page)
   1. Story Point Estimate: 1
4. Finalize profile/settings page UI
   1. Story Point Estimate: 2
5. Allow a user to put their playlists inside our profile structure. Store their profile in the database.
   1. Story Point Estimate: 3

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## Sprint 2:

**"As a Spotify user, I want to be able to visually change my profile so that it matches along to the aesthetic of my music tastes."**

Story Point Estimate: 21

Tasks:

1. Implement a settings page/gear to access customizations
2. Pick color palettes to use
   1. Story Point Estimate: 3

**"As a Spotify user, I want to be able to see my top listened to tracks so that I can gain insight on my own music taste."**

Story Point Estimate: 13

Spikes:

* Spike 2: Learn how to use Spotify API and interact with user analytics

Tasks:

1. (Analytics) Have a section on the website a user can click to see their top tracks of all time.
   1. We just need names and pictures of tracks.
   2. See resources linked at the top for this.
   3. Story Point Estimate: 3 (May have to be finished in sprint 2)

## Sprint 3:

**“As a Spotify user, I want to be able to view my friend’s profile so that I can see their music taste.”**

Story Point Estimate: 21

Spikes:

* Spike 3: Learn how to make a separate pages user profiles (including setting page)
* Spike 9: Learn how we can make a user see their spotify friends and manipulate/interact with your friends list on spotify:
  + we need to add their friends to a database?
  + This may be hard if the API does not support this. We might have to make users manually add their friends.
  + Can we accomplish this by sharing a link between users?
* Spike 10: Learn how to control privacy of your profile
  + Learn how users can see their friends analytics
  + Learn how users can see their friends top/recommended songs.
  + Learn how users can see their friends' public playlists.
* Spike 11: Learn how to access a user’s currently listened to song.

Tasks:

1. Implement a way for a user to click on their friends’ page and see their profile.
   1. Privacy settings
   2. Analytics privacy
   3. See their top/recommended songs
   4. See public playlists
   5. Story Point Estimate: 3
2. display friends list
   1. be able to navigate to their profile (if they have one)
   2. Display favorite song (similar to discord status)

**“As a Spotify user, I want to be able to easily search for songs and albums so that I can add them to a list with music I’d recommend to my friends.”**

Story Point Estimate: 21

Spikes:

* Spike 5: Learn how to store information per user in a py4web database, (needed for top and recommended tracks/albums.)
* Spike 6: Learn about search bar implementation
* Spike 8: Learn how users can search for albums/songs/playlists and add/display it on their profile.
  + Is bulma CSS enough?
  + If not, what can help us?
  + How difficult is it to implement a GUI for the user.
  + How structured do we need the profile to be? Should we
  + limit the template to basically just a set number of squares
  + a user can fill in?

Tasks:

1. Start Implementing a search function so that users can find the albums/tracks they want to display.
   1. Story Point Estimate: 5

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## Sprint 4:

**"As a spotify listener, I want a way to listen to along to music with others concurrently so that we can both enjoy a song without being together in a room"**

Story Point Estimate: 34

Spikes:

* Spike 12: Investigate how discord is able to accomplish shared listening.

Tasks:

1. Implement shared listening. (Continued from previous sprint) Story Point Estimate: 13
   1. implement an easy way to start/invite friends
   2. Upvote and downvote songs in queue

**“As a friend group, we want to be able to debate which songs to listen to together so that the whole group is happy with the music choices”**

Story Point Estimate: 34

Spikes:

* Spike 13: Investigate if we can queue songs for users, (if it is not possible then the best thing we can do is make a playlist of songs rather than a queue).
* Spike 14: Investigate if any other platform has implemented queued spotify listening.

Tasks:

1. In shared listening implement an upvote and downvote feature to vote on queue order

### Infrastructure

Spikes

* Spike 1: Brush up on:
  + CSS we will use (Bulma)
  + Multi-User GitHub
  + Py4web
* Spike 2: Learn Spotify API
  + Learn how tokens work in the Spotify API. Like do we need to get a token for each user that uses the site? What happens if we don’t get one or it fails?
  + Learn py4web database management and how we can implement Spotify API into it.
  + Learn how to get and interact with user analytics

Tasks:

1. Make a github for code, and maybe a separate google drive folder for resources and sketches.
   1. Story Point Estimate: 1

# Team Roles

Ashkan Shams: Developer

Hannah Wong: Developer

Kaitlyn Liao: Sprint 1 Scrum Master, Developer

Spencer Fulgham: Project Owner, Developer

Zachary Miller: Developer

# Initial Task Assignment:

Look at scrum board

# [Initial Scrum Board](https://trello.com/b/Fjjtoza1/group-ify)

# Scrum Times:

Sprint Meetings:

MWF 11:45am - 12:00pm

TA Meeting:

TH 1:30pm - 2:30pm

General Work Together Meetings:

T/TH 6:00pm - 7:00pm