

Group 7 - Team Name: Future Spotify Interns

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Application Name: Melodie

Application Description:

The purpose of Melodie is to add a community aspect to the listening experience. It takes in user data using the spotify API and displays statistics to the user through their profile. They will be able to see their top tracks and artists as well as add snippets to their bio. Another aspect of Melodie is the ability to view their friends' listening habits through the communal sharing of data through the website. Users will also be able to view a leaderboard of all users of the website regarding the amount of music people on the website listen to, the number of unique albums listened to, as well as the number of unique artists listened to.

The web application will allow music enthusiasts to connect with others fostering an inclusive environment for the users. It gives the opportunity to further develop the consumer's listening taste and share an intimate aspect of their life with their friends. The interactive interface immerses the user into their world of music as well as the music of others. Melodie's social media-esque properties make it the next generation of music collaboration.

Vision Statement:

For music enthusiasts, Who desire to build connections through music. Melodie is a dynamic, communal web application that allows the customer to view others' listening habits and contrast them with their own. Unlike Spotify, our product adds a community aspect to the listening experience.

Communication Plan:

Our primary form of communication will be through discord.

Development Methodology

Meeting Plan

TA Meetings

- First 3 weeks → Thursday 10:15 am
- 4th Week →

Team Meetings

- Coordinating using a when2meet for each week
- TBD (varies by week)
- Thursdays after recitation?

Use Case Diagram

Wireframe:

Landing page

Personal account

General function of app:

Login / Registration: (hard / link to outside account sounds hard)

Custom login, log in through google, spotify etc.

Profile: (easy?)

Profile image, description, privacy, snippets of favorite pieces (max 10 secs per snippet), top tracks

Music: (I don't know how to stream music through this)

Listen to music, favorite, capture snippets

Friends: (medium? once we get spotify accounts linked it should be fine?)

List of friends, links to their profiles and what they are listening to right now.

Also search for profiles, add friends. Listen with them.

Rankings:

Ranks users by amount of songs listened to, number of unique artists, and number of unique albums

In order of importance for functionality:

1. login/registration
2. music
3. Friends
4. Profile
5. Rankings

Plan each week:

Week 1:

Sort out login/registration

Maybe start music (can we listen to it through our site?)

Week 2:

Finish music, create sampling (10 seconds max), share it

Start friends

Week 3:

Finish Friends

Finish Profile

Week 4:

If not already done ranking should be all done by the end of the week.

Documentation and how to:

Spotify API

<https://developer.spotify.com/documentation/web-api/>

For legal reasons:

<https://developer.spotify.com/terms/>

Section V Users & Data paragraph 12 should be displayed

How to set up Spotify API:

<https://developer.spotify.com/documentation/web-api/quick-start/>

Throw away account info to use spotify api:

major.melodie0@gmail.com

csci3308melodie

How to make a log in through spotify page:

<https://developer.spotify.com/documentation/web-api/quick-start/>

<https://github.com/spotify/web-api-auth-examples>

example:

<https://medium.com/@sedwardscode/creating-a-spotify-app-on-the-spotify-developer-page-16907b5872e8>

Same thing for google :

https://developers.google.com/identity/sign-in/web/build-button#:~:text=To%20create%20a%20Google%20Sign,the%20query%20string%20onload%3DYOUR_RENDER_FUNCTION%20.