



HOME



TABLE OF CONTENTS



PLAYLIST

01

Intro

02

HE results

03

Revisions

04

*Prototype
Status*

05

Demo



THANKS!



Hi-fi Prototype

Retune



CS 147
Retune

2:54



3:49

Project name – Retune

“Refresh your tunes”

- Mix up your vibes
- Share your favorite songs, request new songs
- Discover music through a social experience



Retune

Problem/solution overview

Primary user: Casual listeners

Problem: Exposure to music is daunting

Solution: Leverage community



Retune

Solution



Post songs
based on your
day!



Find a
community!



Share and
discover music!



Outline

01 *HE results*

02 *Revisions*

03 *Prototype Status*

04 *Demo*





Heuristic Evaluation Results

Total violations: 45

2%

42%

36%

20%

Severity 0

Severity 1

Severity 2

Severity 3





Heuristic Evaluation Results: Summary

- **User freedom with processes**
 - Fix: streamline screen transitions
- **Consistency with design**
 - Fix: standardize style and wording
- **Intended use of app?**
 - Leveraging community





Heuristic Evaluation Results: Severity 3 Violations

Violation	Fix
There is no back button if one passes on a person in "Explore People."	Users will be re-shuffled into feed even if you pass the first time
Home page with feed unable to scroll properly.	Scroll view for home feed
Different wording between "following" and "add friend."	Standardize wording
Not clear that the username is a button.	Standardize button design





Heuristic Evaluation Results: Severity 3 Violations (cont)

Violation	Fix
Have song name with the audio clip.	Updated song component to include song info.
Be able to do something with the music you see	Addressed earlier
User can't go back after choosing a song.	Implemented revision capabilities for task flows



Recap: Our task flows



Find a new friend to add



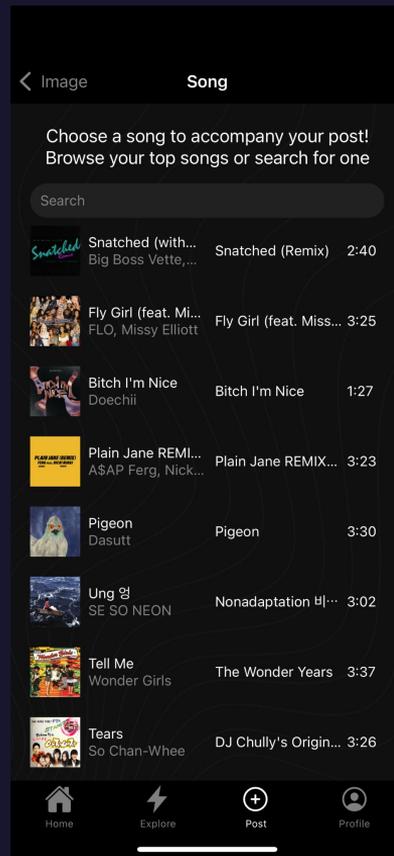
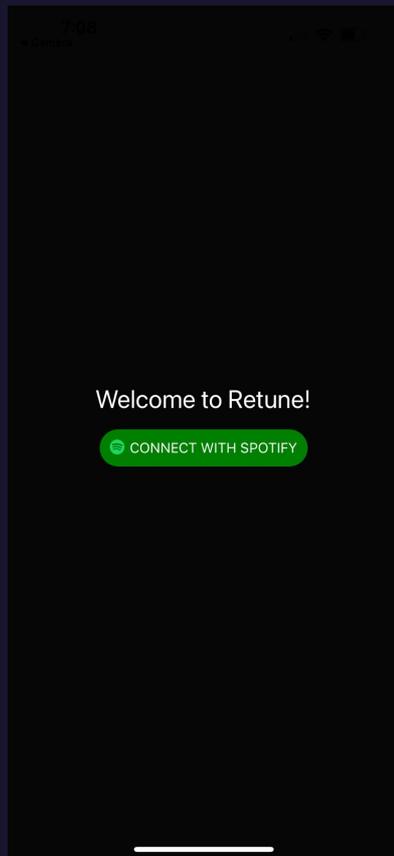
Check out the music your friends are currently into



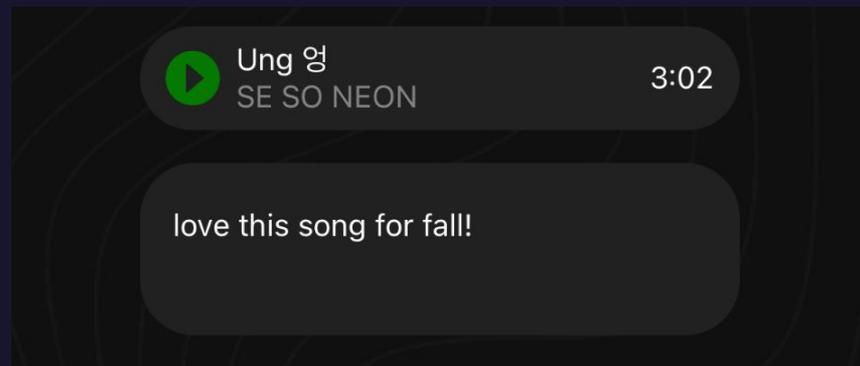
Make a post of your own!



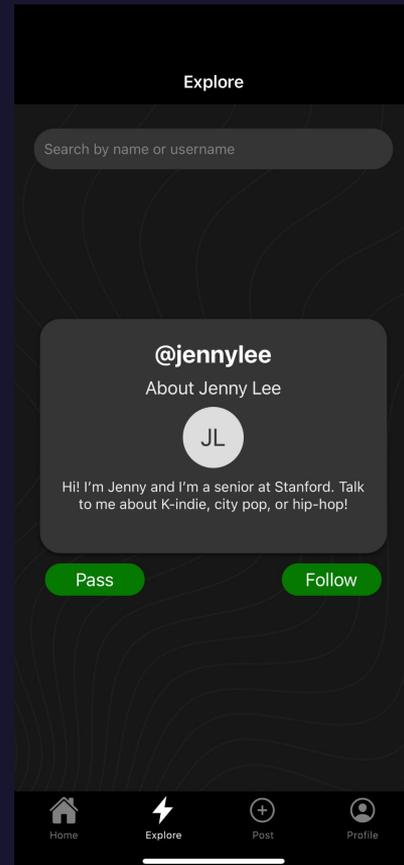
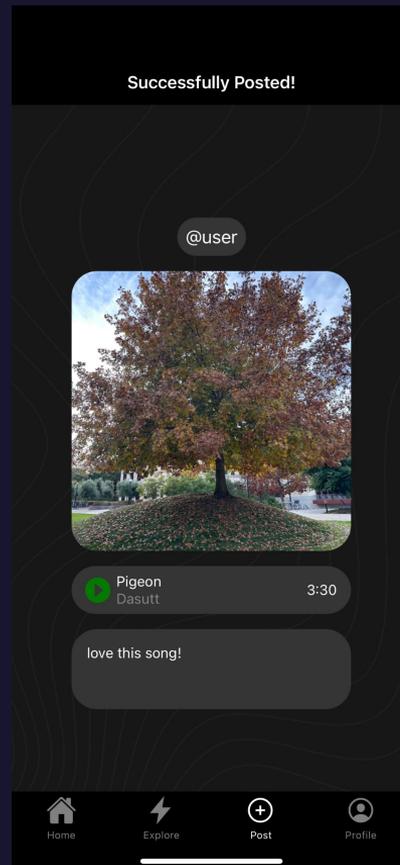
UI Revisions: Spotify API



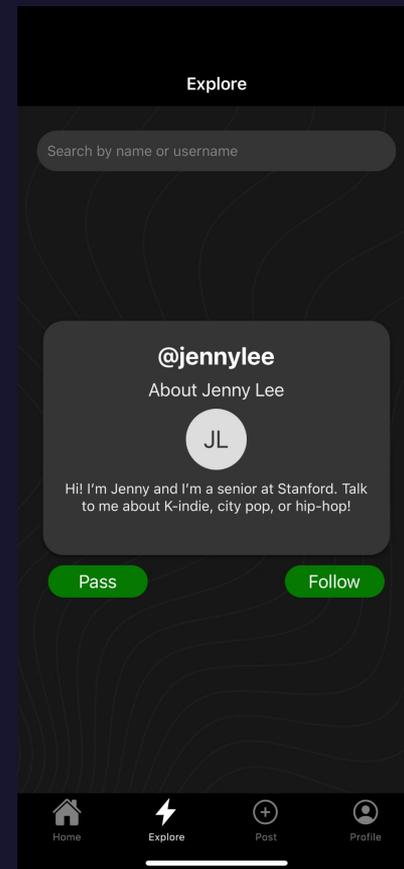
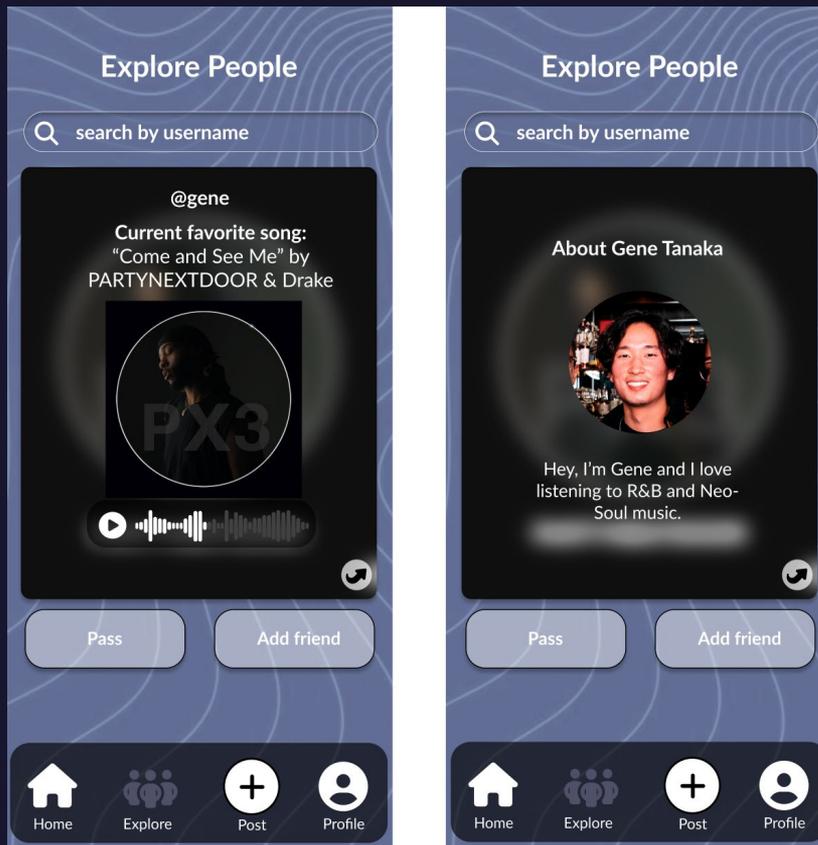
UI Revisions: more detailed song preview



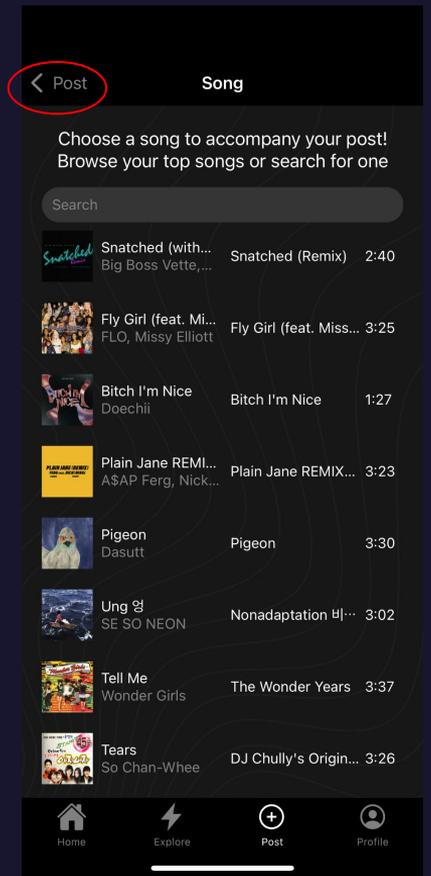
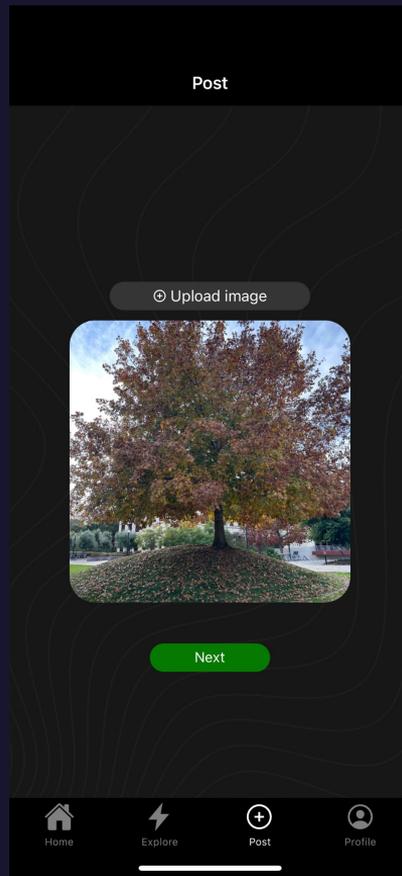
UI Revisions: simplified the use of color



UI Revisions: relevant information immediately visible



UI Revisions: User freedom with task flows



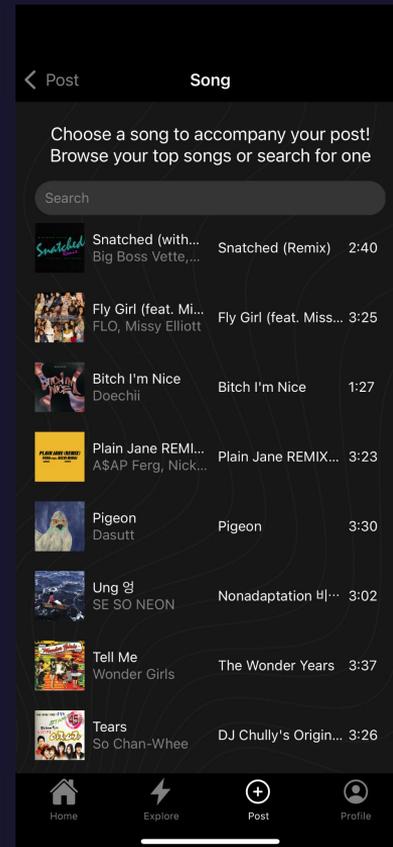
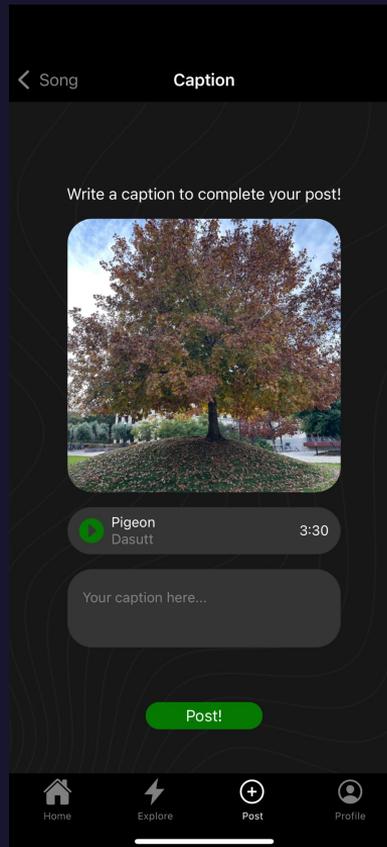
Progress Towards Usability Goals

Learnable?

Minimized use of color

More documentation

More user freedom

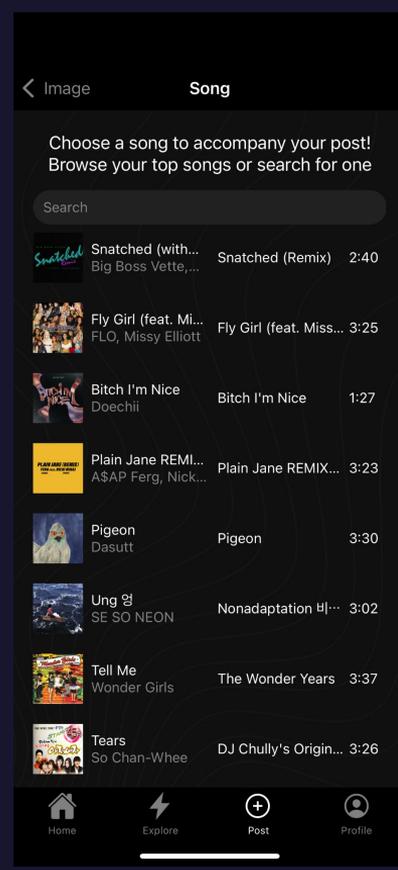
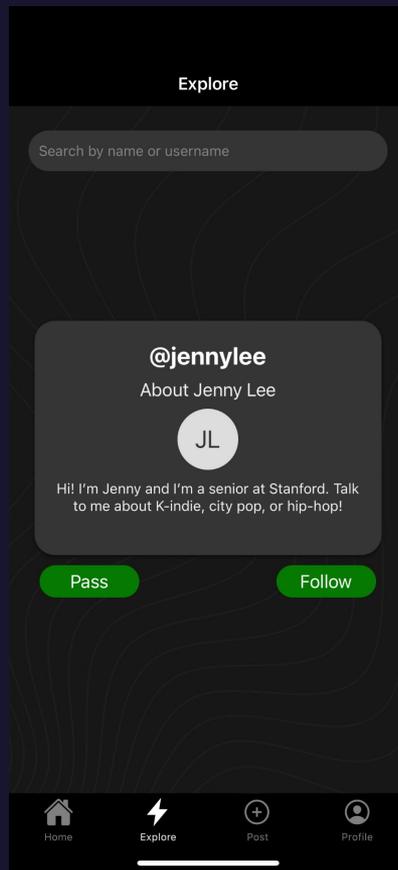


Progress Towards Usability Goals

Efficient?

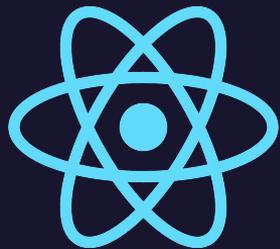
Relevant information immediately visible

Integration with existing music streaming services



Prototype Implementation Status

Framework / tools



React Native / expo



Github



Supabase



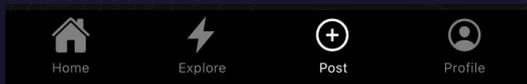
CS 147
Retune

2:54



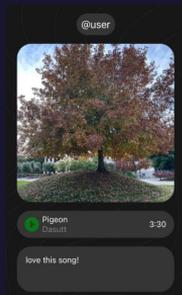
3:49

Implemented features



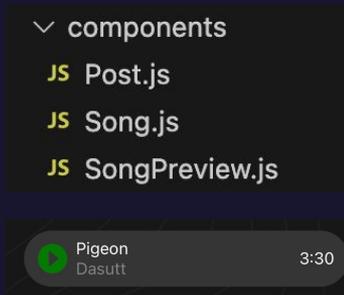
Navigation

- Nav bar is fully functioning



Components

- Added components for posts and song previews, with working audio

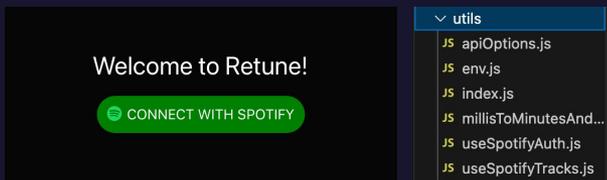


Backend

- Implemented the structure for our data storage with Supabase

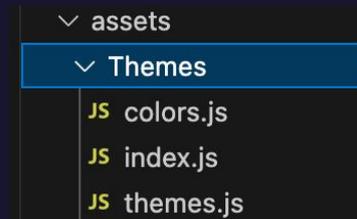


Implemented features



Spotify API

- App is integrated with Spotify API
- Pulling top tracks, searching for songs
- (Parts of code borrowed from previous work in CS 147L)

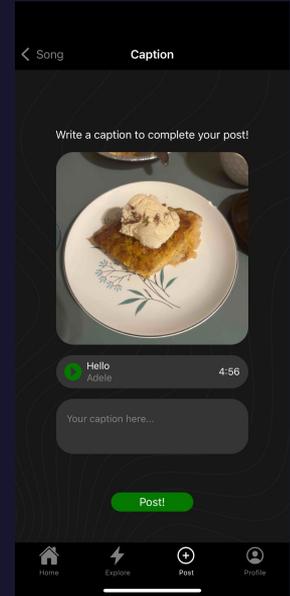
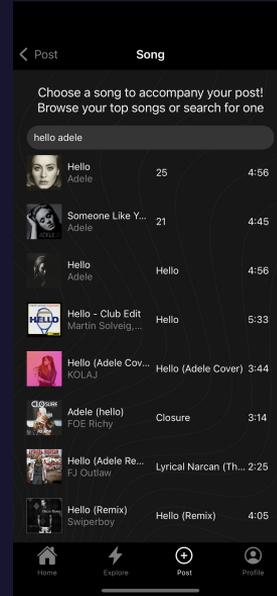
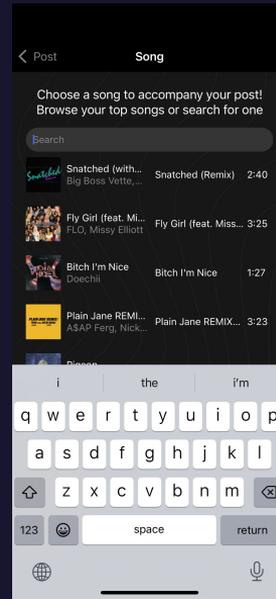
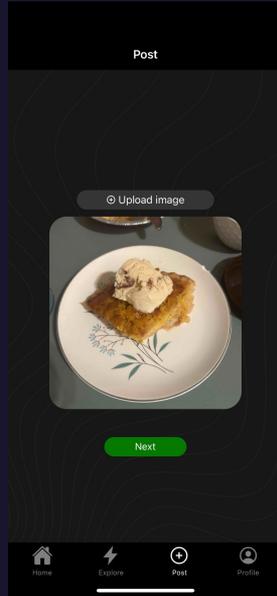
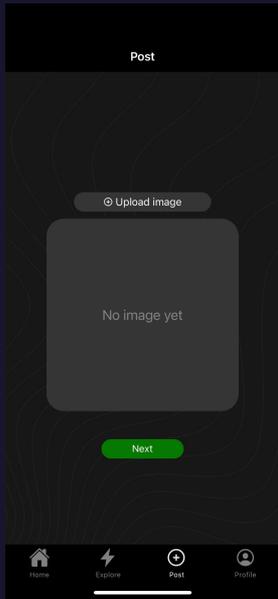


Styling

- Themes folder for colors
- Standardized styling for elements (e.g. buttons, search bars, posts)



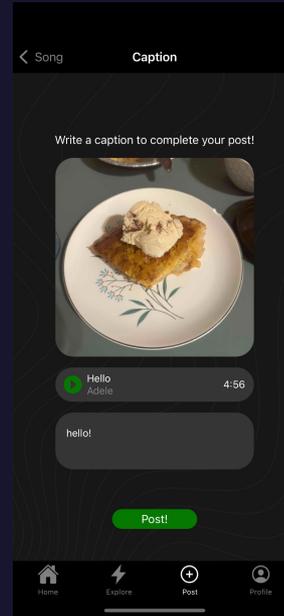
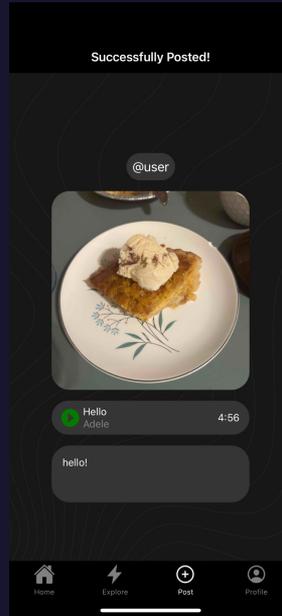
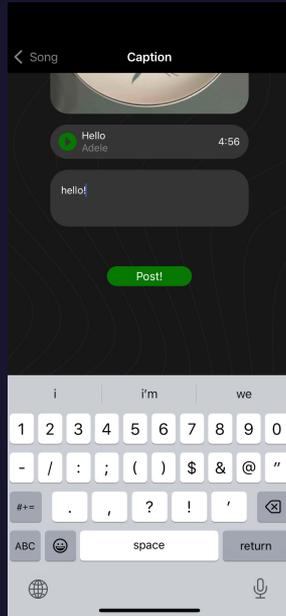
Implemented features



Posting

Posting task flow fully implemented

Implemented features



Posting (cont.)

Posting task flow fully implemented



Unimplemented features

- **Fully integrating backend & frontend**
 - Populating feeds and profile page from stored data
 - Storing user info (i.e. username, bio, favorite song) and displaying it
- **Customizable profile page**
 - Implementing profile page with customizable profile picture, bio, and favorite song
 - Populating profile with recent posts
- **Styling**
 - Fine-tuning and making style consistent across all pages



Unimplemented features- Plan

- **Fully integrating backend & frontend**
 - We plan to finish by the end of this weekend!
- **Customizable profile page**
 - Finish skeleton by end of the week
 - Integrate w/ backend by end of weekend
- **Styling**
 - Standardize styling by early next week



Wizard of Oz / Hardcoded Elements

- **Wizard of Oz**
 - Our users will likely have to be manually populated
 - Songs must be available on Spotify to be used
- **Hard-coded**
 - Images, users, etc. are hard-coded for now but will be dynamically added once our backend is complete



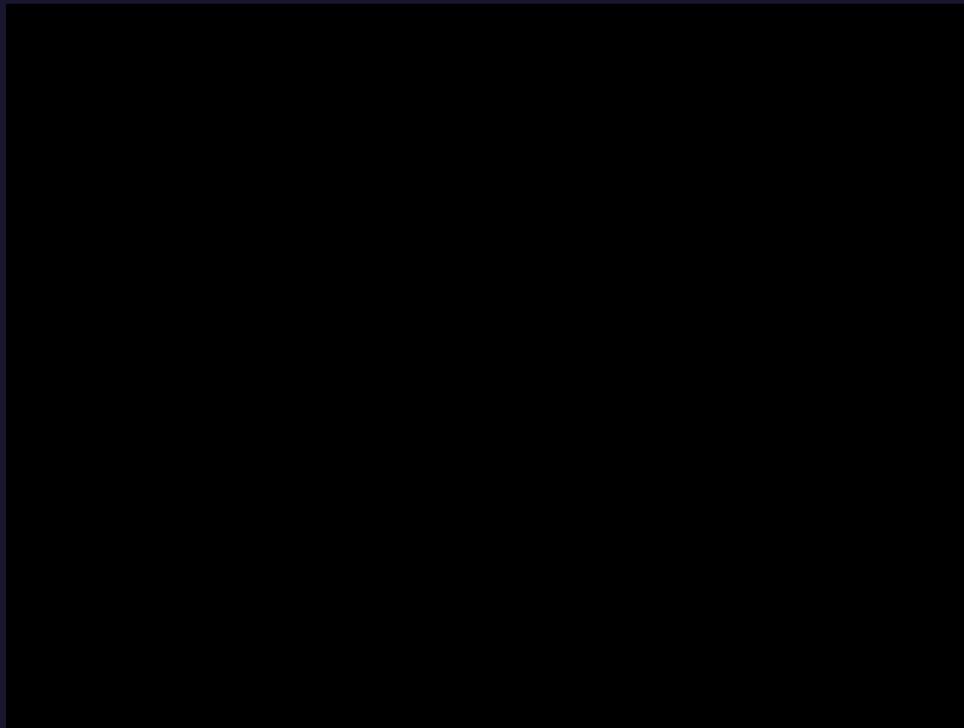
Issues/Questions

- **Privacy**

- Privacy would be a big concern if this app were to actually go public.
- We would have to consider public/private account management and comment management if the app were released on a larger scale.
- Wondering how much we should consider privacy for the scope of our final prototype?



Prototype demo



CS 147
Retune

2:54



3:49