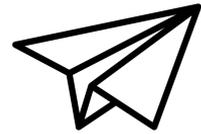# A8: Interactive High–Fi Prototype

memreprise

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memreprise

where music and memories meet

Team Members

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Problem & Solution Overview

Problem

- People often have **deep, yet hard-to-quantify associations** with their favorite music.
- These associations go **undocumented** and **unshared**

Solution

An app that prompts you **daily** to:
- Log the song you're **currently listening** to
- Associate it with a **themed question**

Presentation Outline

01

Heuristics Evaluation Results
(slides 6 – 11)

02

UI & Product Revisions
(slides 12 – 18)

03

Prototype Implementation Status
(slides 19 – 24)

04

Demo of Prototype
(slides 25 – 26)

01

Heuristics Evaluation Results

High-Level Summary of Results

Top Offenders

37 Total Violations
(8 Severity 3 Violations, 0 Severity 4 Violations)

Most Severe
(1+ Severity 3 Violation)

2 Severity 3 Violations:
- H2: Match System and Real World
- H3: User Control

1 Severity 3 Violations:
- H1: Visibility of System Status
- H6: Recognition Not Recall
- H8: Minimalist Design
- H11: Accessibility

Most Common

- H4: Consistency and Standards
- H8: Minimalist Design
- H7: Efficiency of User

High-Level Summary of Results

- **Visual Design (Aesthetics, Accessibility, and Consistency)**
  - **Usable and legible**, interactive elements and text
  - **Standardize** size, labeling, and layout – **information hierarchy**

- **More Power to the User (Control, Flexibility, and Visibility)**
  - Add features for **greater user control over posting** (privacy, deletion, incorporating play history)
  - Highlight existing **areas of user control**

- **Terminology**
  - **Rename and re-label features** to reduce confusion
  - Create **documentation** for MemReprise specific terms and features

Simple Task

Share a song on memreprise

Severity	Description	Fix
3	Users can't view any content without posting	Allow users to **view old posts without posting**
3	There's no indication of privacy level and audience when posting	Add **privacy setting menu** in the post preview
3	No explanation for making post	Create **onboarding screens**

Moderate Task

Discover music from other users with similar associations

Severity	Description	Fix
3	Unclear that "Charts" tab was where to go to discover music	**Rename tab to "Discover",** and add labels to clarify
3	Text sizes across this task flow are very small	Increase and **standardize** text, sizes, & post layout
3	Controls and interactive elements are very small	Increase & standardize size of **interactive elements**

Complex Task

Create personalized playlist from songs you posted shared

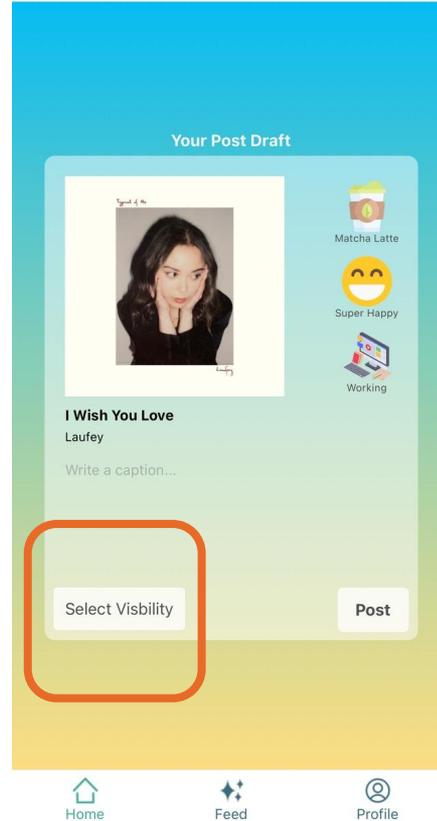| Severity	Description	Fix
3	The term "Reprise" is unfamiliar to users	Explain term, functionality in **onboarding screens**
3	Calendar view of a user's activity is organized in an confusing way	Add **date labels & white space separation** to better reflect chronological layout
3	Users cannot delete posts	Create **onboarding screens**

02

UI & Product Revisions

Before
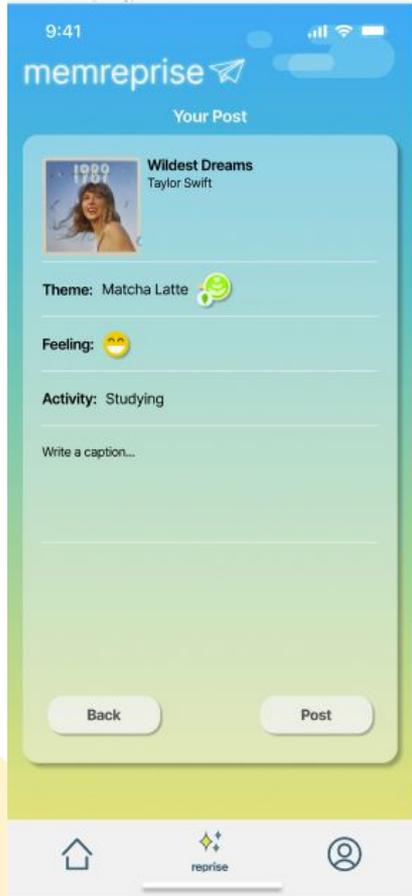
After
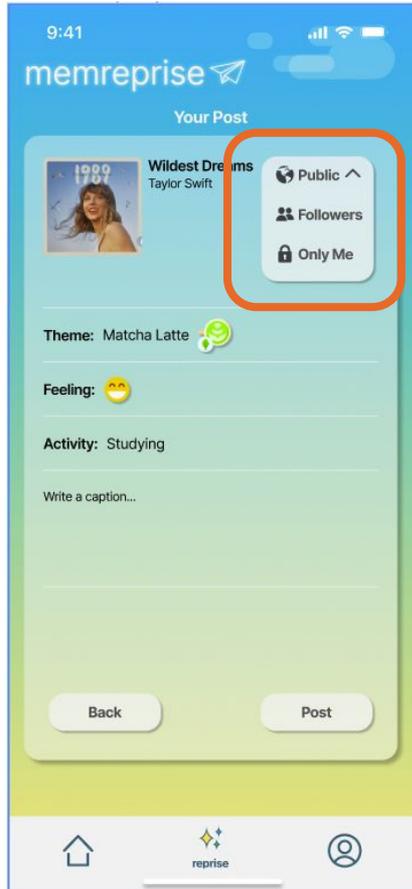
Post Overview

Rationale:
- User may not want to share post to everyone
- Provides a memory archive for each user
- Design is more legible

Progress towards usability goals:
- Power to the user
- Authentic posts
- Personalized community

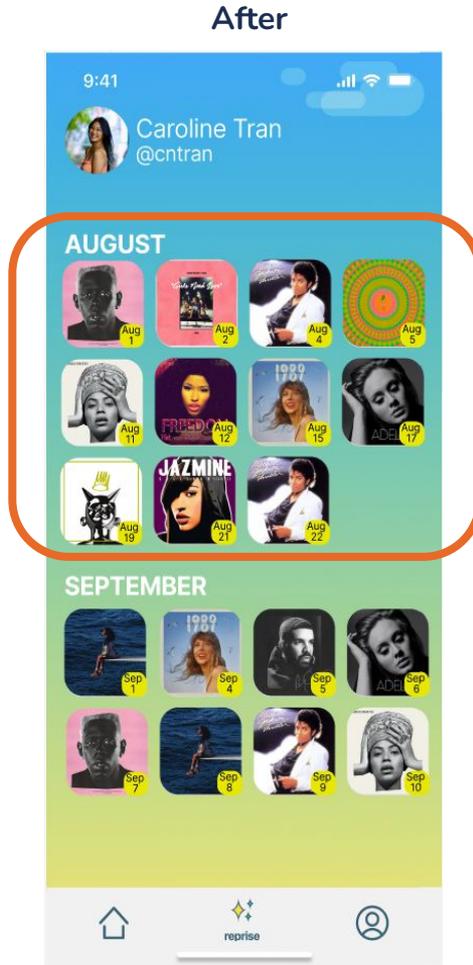# My Reprise Pop-Up

Rationale:
- Theme **didn't have a clear meaning**
- Filtering **didn't contain all options** seen previously

Progress towards usability goals:
- Gives user more autonomy on what to select
- Specific between activity or emotions

Calendar Activity

Rationale:
- Circles under calendar were **too small** and difficult to see
- Circle icons not having dates were **confusing**
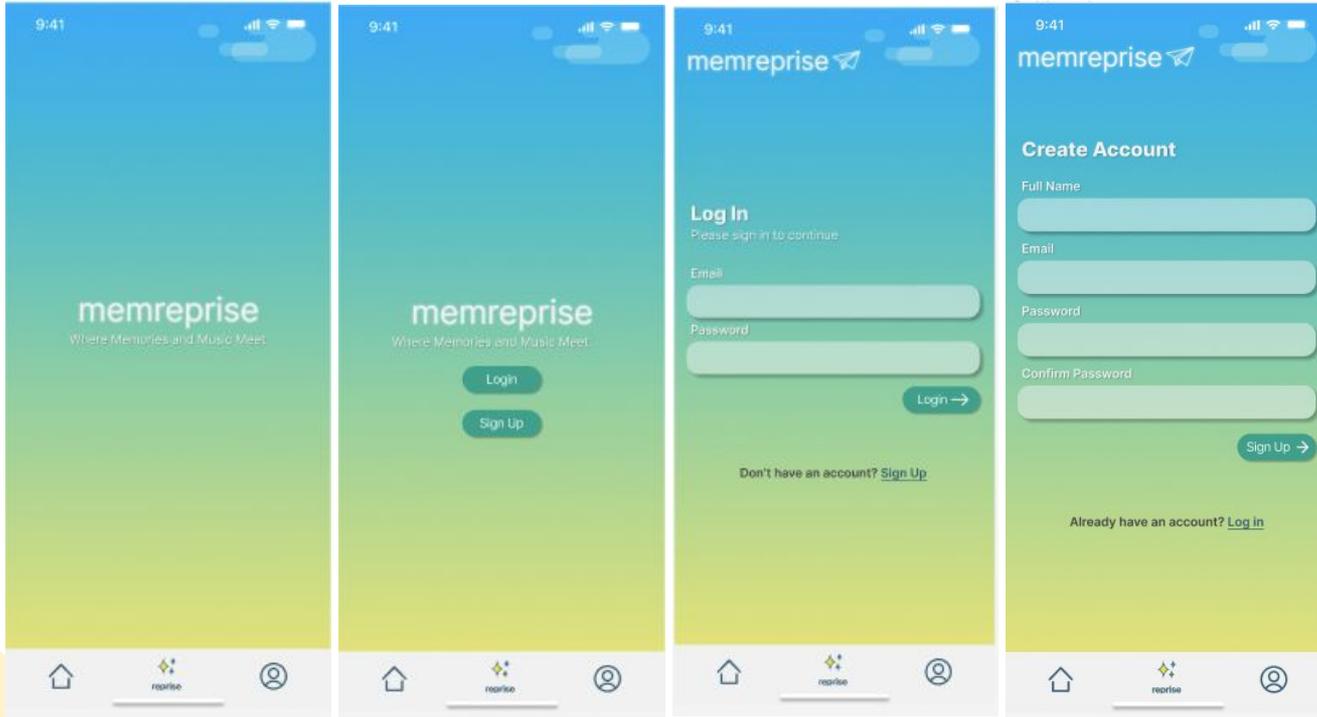
Progress towards usability goals:
- Easier to see and click on
- Clear what month these posts occurred on

New Screens Implemented

Login and SignUp

Rationale:
- **New users** can be identified and led through tutorial

Progress towards usability goals:
- Once a user signs in, their information will be saved
- Allows for user Spotify music to easily be accessessible
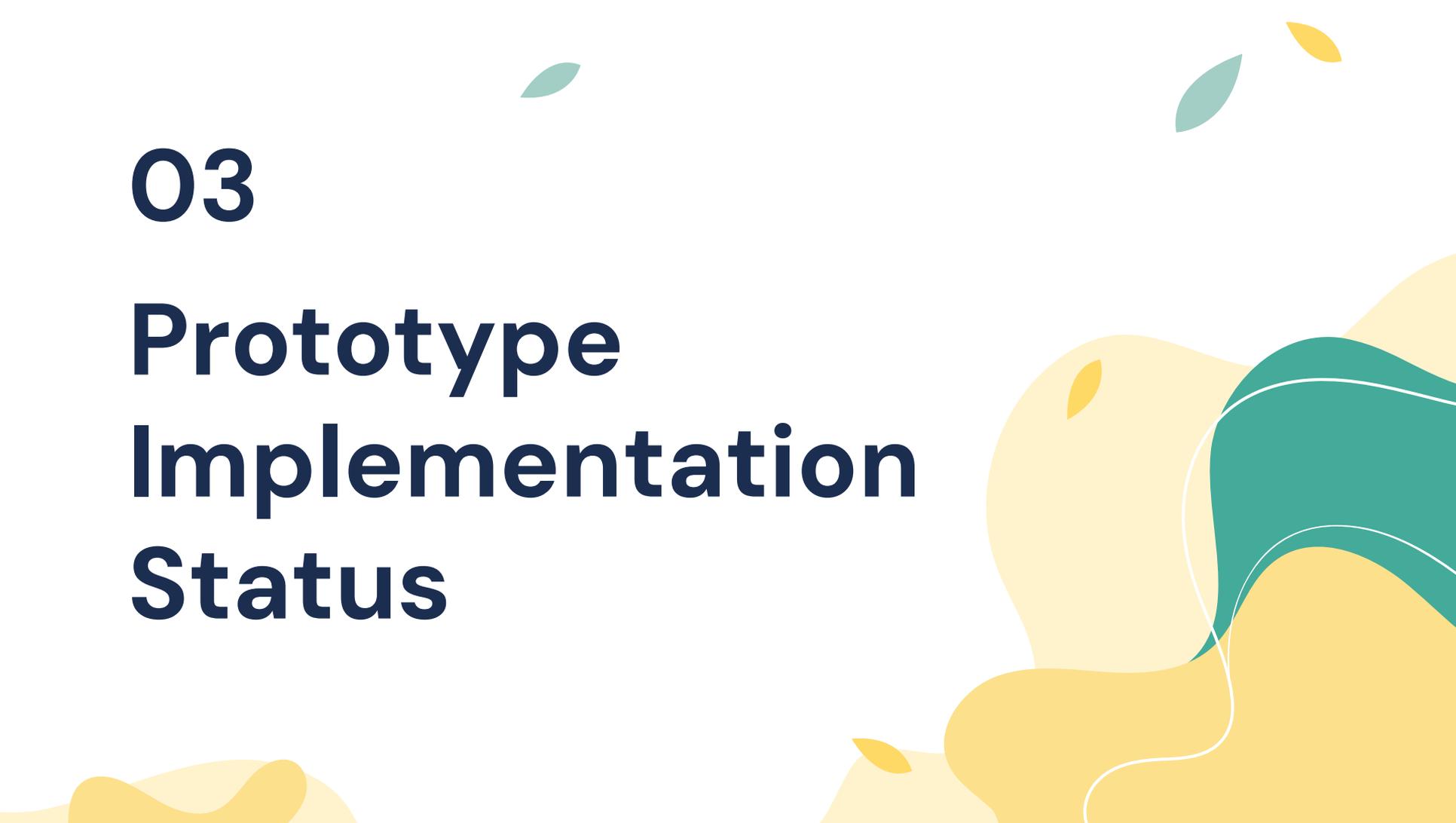- Smaller learning curve

Tutorial

Rationale:
- Users can could be potentially confused on how to work the app
- Step-to-step guide to help with this

Progress towards usability goals:
- Helps users understand the app before jumping straight in

03

Prototype Implementation Status

Framework & Tools Used

Framework

React Native
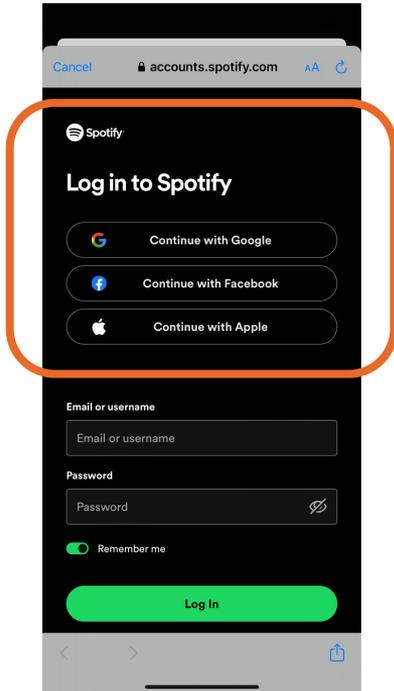Expo Go

Tools Used

Figma
XCode
GitHub
VSCode: Prettier Extension
Spotify Developer API
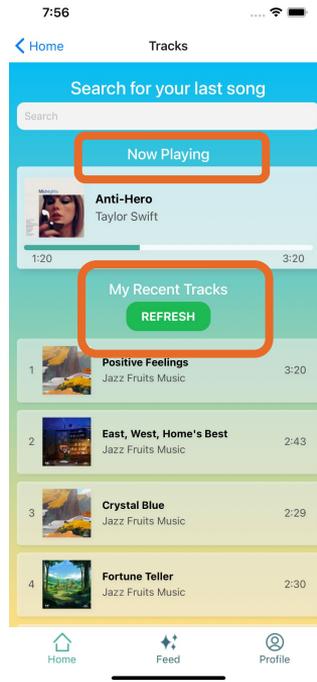
Implemented Features

Spotify API

All songs from Spotify Library can be searched for in the app
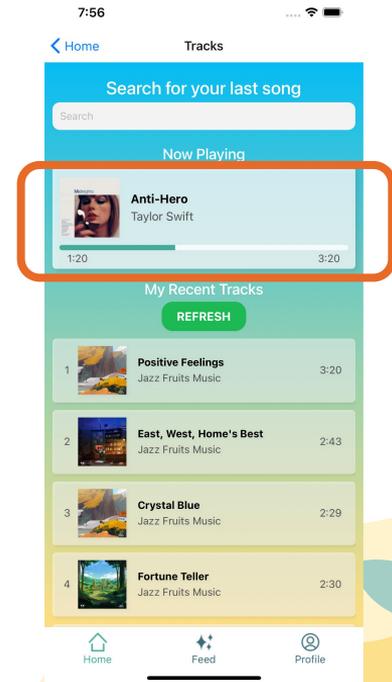

Live Song Retrieval

Pulls user's now playing song so user does not have to search

Current Song Progress

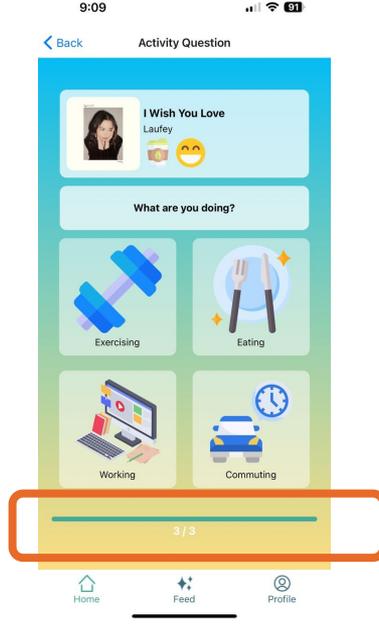Communicates status of system and shows current song playing

Implemented Features

Questionnaire

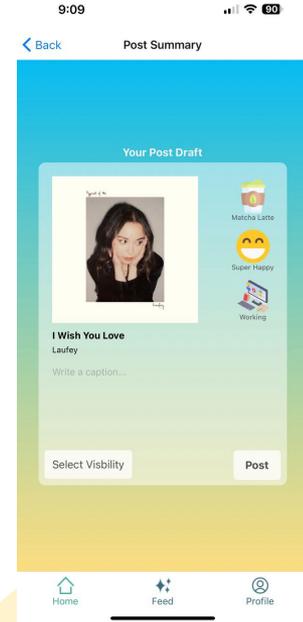Users can select different options related to their song

Progress Bar
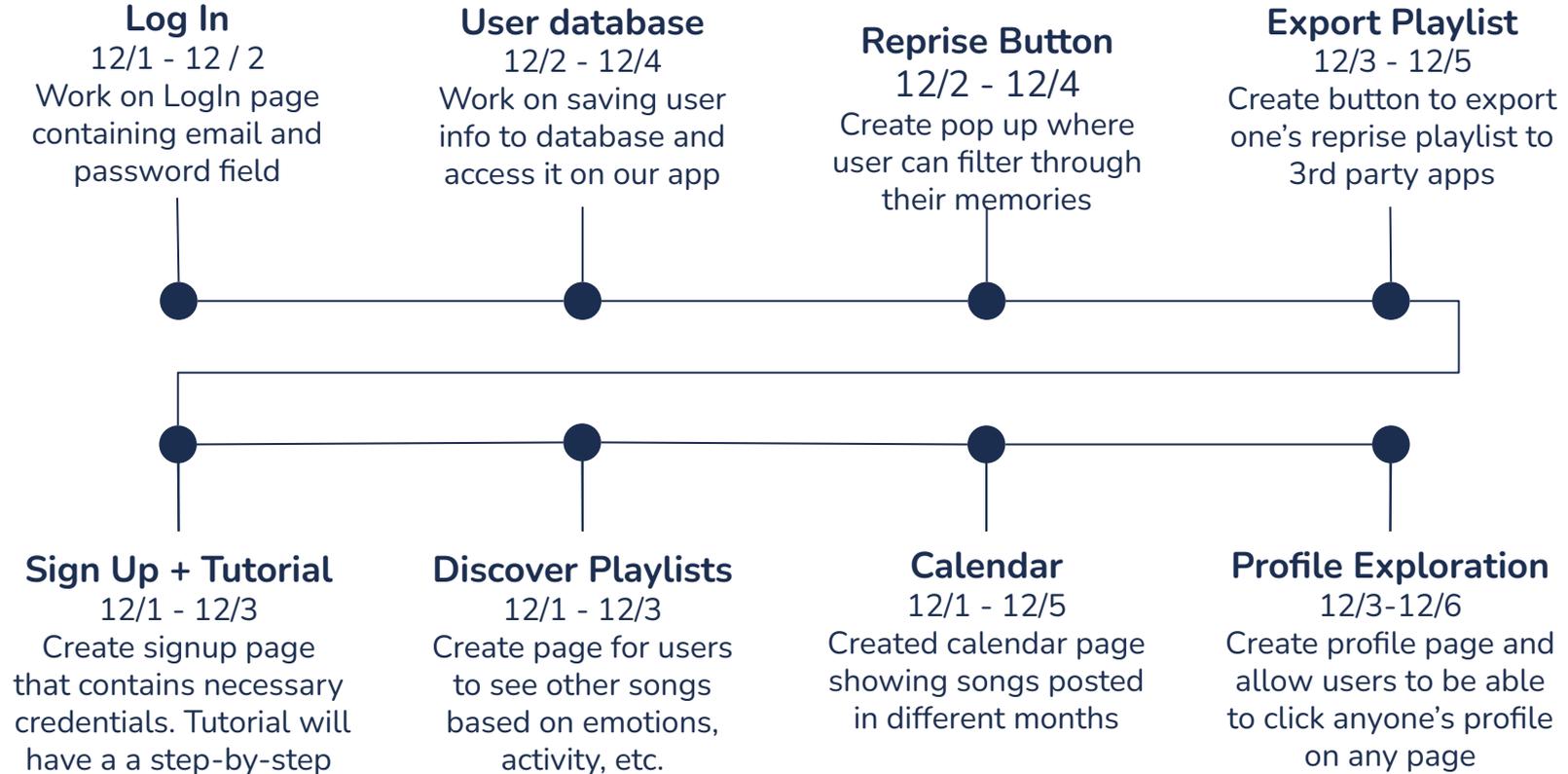
Indicates how many more questions the user has to answer

Posts + Visibility

Users can now write a caption with their post and select visibility

Unimplemented Features & Next Steps

Log In
12/1 - 12 / 2
Work on LogIn page containing email and password field

User database
12/2 - 12/4
Work on saving user info to database and access it on our app

Reprise Button
12/2 - 12/4
Create pop up where user can filter through their memories

Export Playlist
12/3 - 12/5
Create button to export one's reprise playlist to 3rd party apps

Sign Up + Tutorial
12/1 - 12/3
Create signup page that contains necessary credentials. Tutorial will have a a step-by-step

Discover Playlists
12/1 - 12/3
Create page for users to see other songs based on emotions, activity, etc.

Calendar
12/1 - 12/5
Created calendar page showing songs posted in different months

Profile Exploration
12/3-12/6
Create profile page and allow users to be able to click anyone's profile on any page

Wizard of Oz Techniques + Hard Coded Aspects

- Feed: User posts are static

- User Data: profile & post history

- Top 3 playlists and results for each category generated from static data
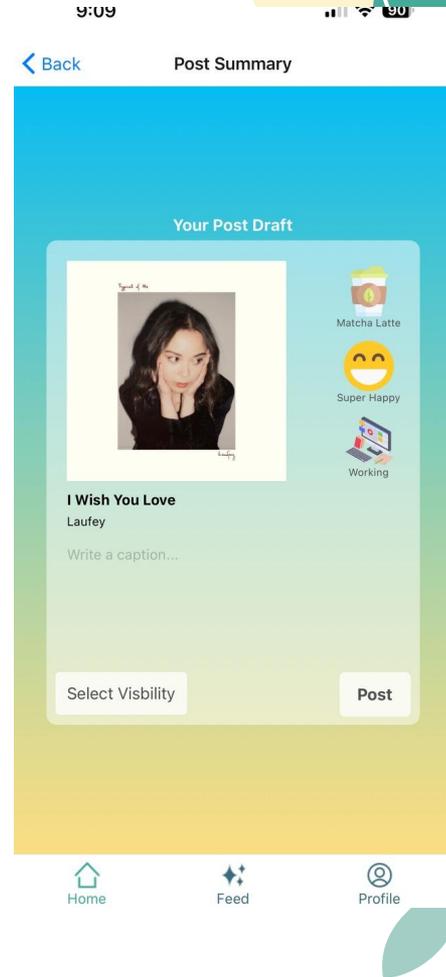
Issues or Questions

Q1

How to address non-spotify users?

Q2

Is it possible to have multiple/randomized theme questions of the day?

Q3

Should we prioritize popularity or how recent a post is?

04

Demo of Prototype

memreprise

Post a song to
unlock new posts

Maybe later   Post

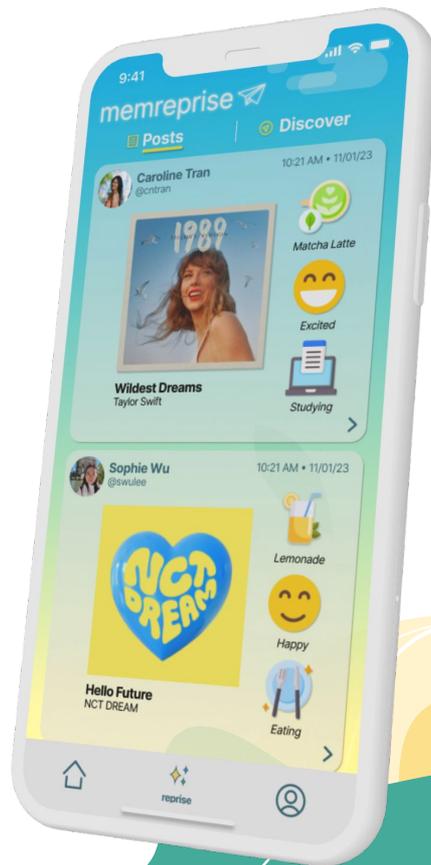Home   Feed   Profile

Thanks

Do you have any questions?

memreprise
where music and memories meet

COLOR SCHEME FOR SLIDES

#ffd966

#fce08c

#fff3ce

#1c2e50

#9ecaec

#44aa99

#a2cec6