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Vision and Summary

In a sentence: We envision Harmony as a hub for music lovers to discuss all things related to music.

Harmony is a social media-inspired platform where users can post polls, reviews, and discussions. Every post must relate to either a song, an album, or an artist. Harmony's users can follow other users, and additionally can follow songs, albums and artists to stay up-to-date on discussion. Harmony features an "endless" feed so that readers can view posts seamlessly.

Motivations

- What are some problems with current social media platforms?
 - Toxicity
 - Bullying
 - Harassment
- How does Harmony help mitigate these problems?
 - Since all posts must be associated with a specific song/album/artist, conversation stays on-topic.

Features

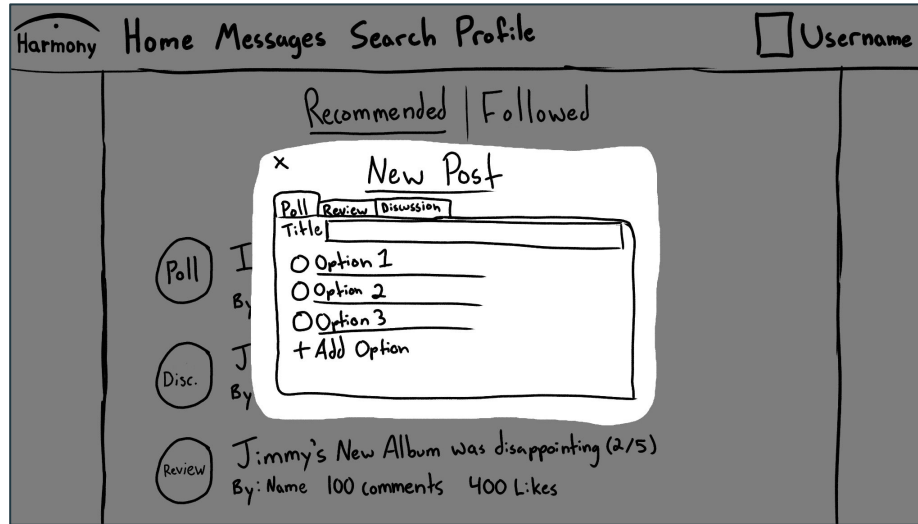
- Account Management
- Creating a post
- Interacting with posts
- Interacting with other people
- Interacting with artists/albums/songs
- Searching for content

Account Management

Harmony	Home Messages Search Profile	<input type="text"/> Username
<u>My Account</u>		
<u>Account Info</u>		
Change Username		
...		
<u>Profile Info</u>		
Favourite Genre		
/ Song		
/ Artist		
...		
<u>Profile Appearance</u>		
...		

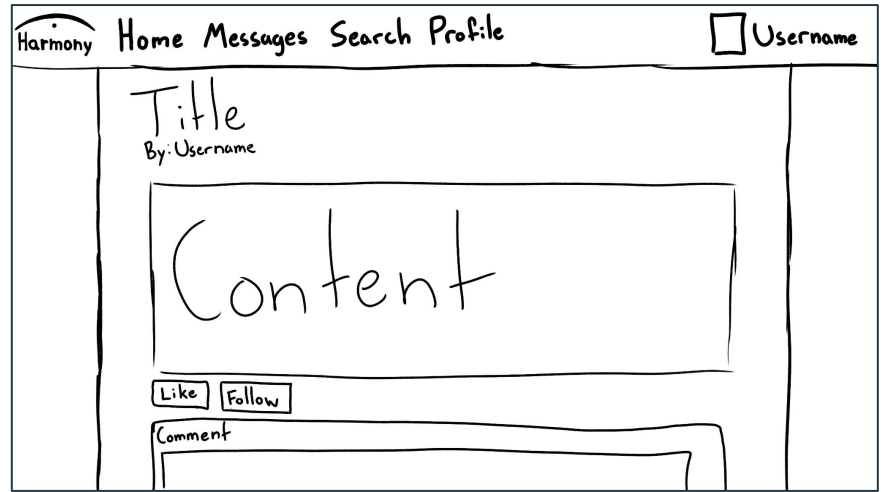
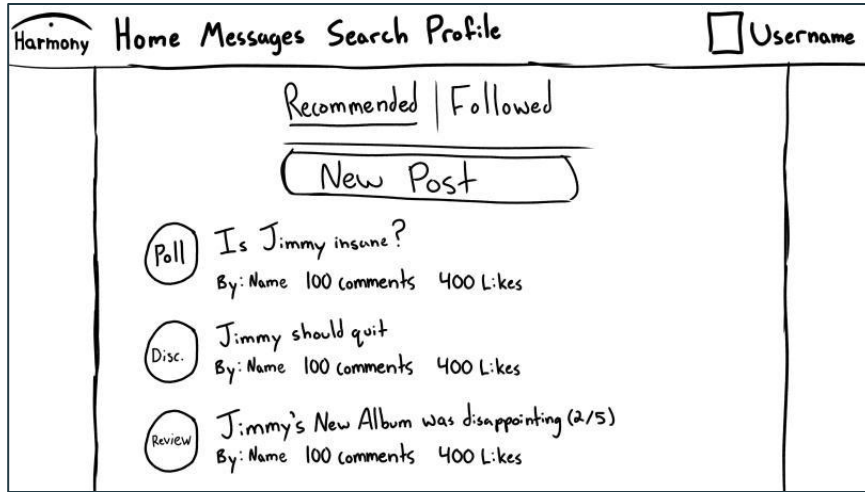
- As a **new user**, I want to **create an account** so that I can **interact with posts**
- As an **existing user**, I want to **sign in to my account** so that I can **interact with posts**
- As a **logged-in user**, I want to **change my account information** so that I can **have a profile that is up-to-date**

Creating Posts



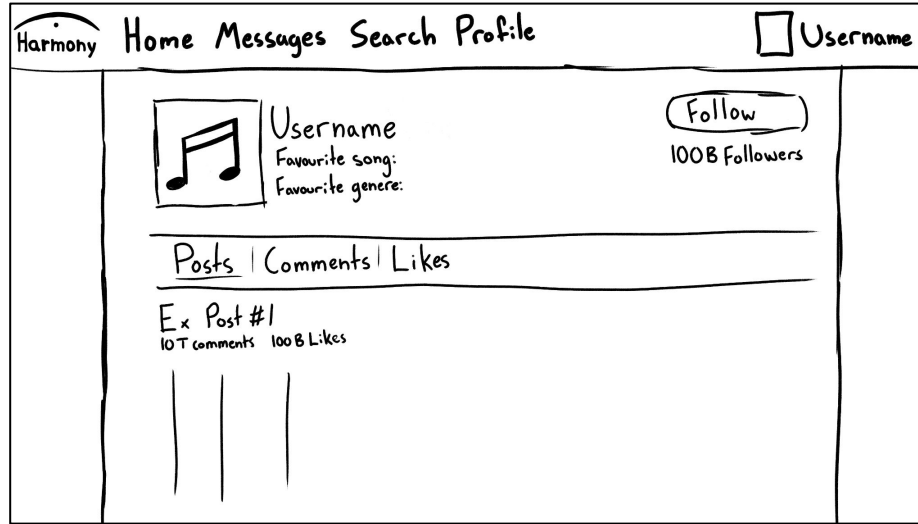
- As a **logged-in user**, I want to **create polls** so that I can **quantifiably see** what other users think about a **topic**
- As a **logged-in user**, I want to **create reviews** so that I can **share my opinion** on a song/artist/album
- As a **logged-in user**, I want to **create discussions** so that I can **interact with other users** and see their **opinions**

Interact With Posts



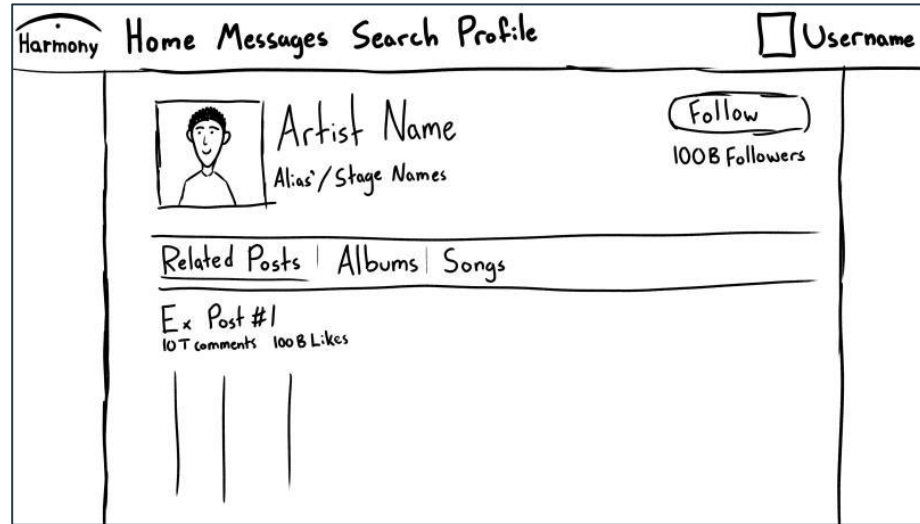
- As a **user**, I want to **view popular posts on an “endless” feed** so that I can **have a seamless experience**
- As a **logged-in user**, I want to **“Like” posts** so that I can **show support for quality content**
- As a **logged-in user**, I want to **comment on posts** so that I can **share my thoughts**

Interact With Others



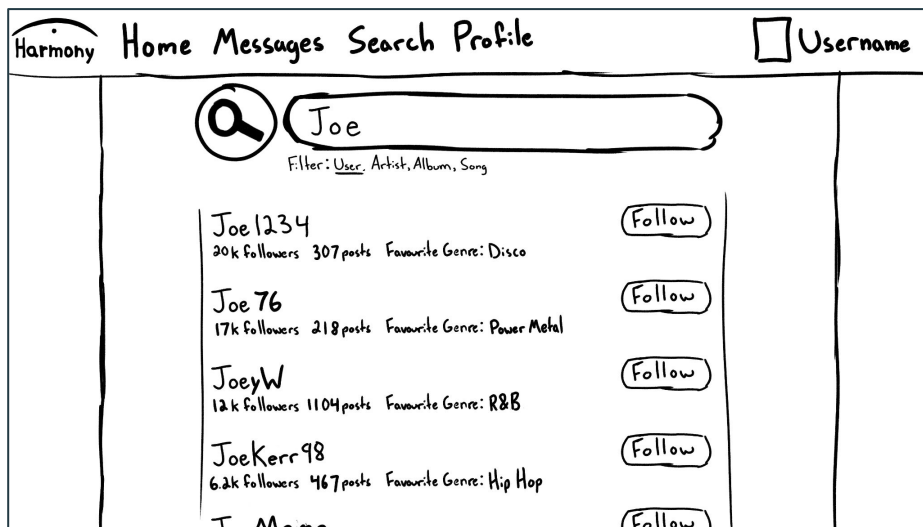
- As a **user**, I want to **view other user's profile information** so that I can **understand who the user is**
- As a **user**, I want to **view all of a user's posts from their profile** so that I can **see all of their opinions**
- As a **logged-in user**, I want to **follow other users** so that I can **stay up to date with their recent content**
- As a **logged-in user**, I want to **only see posts by people I follow in an "endless" feed** so that I can **see content that interests me**

Interact With Artists/Albums/Songs



- As a **logged-in user** I want to **follow my favorite artists/albums/songs** so that I can **participate in recent discussion**
- As a **user**, I want to see **all posts related to an artist** so that I can **understand how people perceive them**
- As a **user**, I want to see **all posts related to an album** so that I can **understand it's public reception**
- As a **user**, I want to see **all posts related to a song** so that I can **understand the general consensus on it**

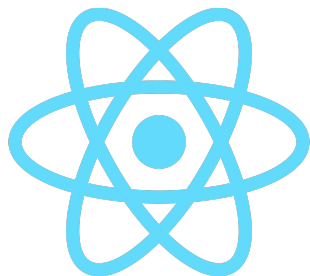
Searching



- As a **user** I want to **search for other users** so that I can **find my friends and popular users**
- As a **user**, I want to **search for an artist** so that I can **see discussion and music related to them**
- As a **user**, I want to **search for an album** so that I can **see discussion related to the album and its songs**
- As a **user**, I want to **search for a song** so that I can **see discussion related to the song**

Front/Back-End Technologies

Front-End



NEXT.js

Back-End



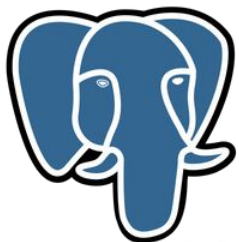
Prisma

Express **JS**

- Using the same language makes it easy to switch between front-end and back-end development
- Multiple members of our team have development experience in each of these technologies

Other Technologies

Database



PostgreSQL

CI/CD

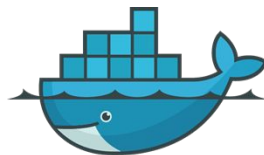


Actions

Music Metadata
Dataset*



Hosting



docker
Containerization

*: The MusicBrainz dataset is in the public domain



Q&A