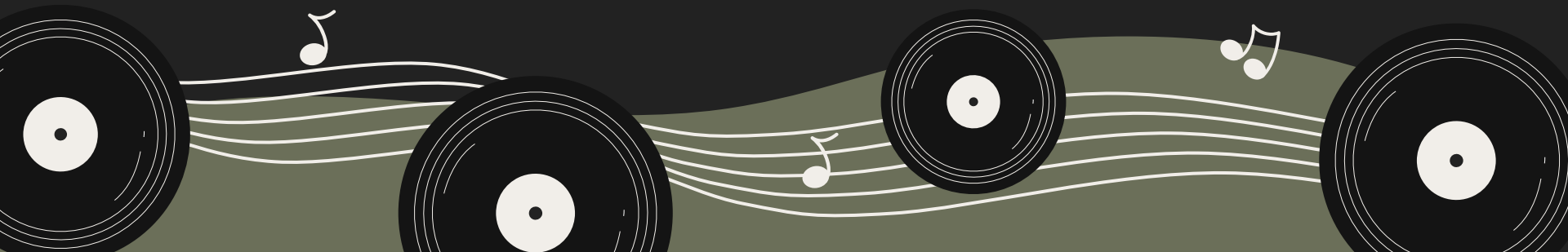# Hi-Fi Prototype

Sonare

Team Members

**Bianca
Chung**

**Brian
Huang**

**Carlos
Espinola**

Value Proposition

Value Proposition: Enhance musical practice through community engagement and collaborative tools.
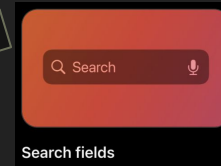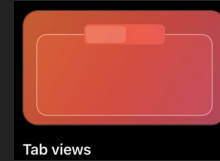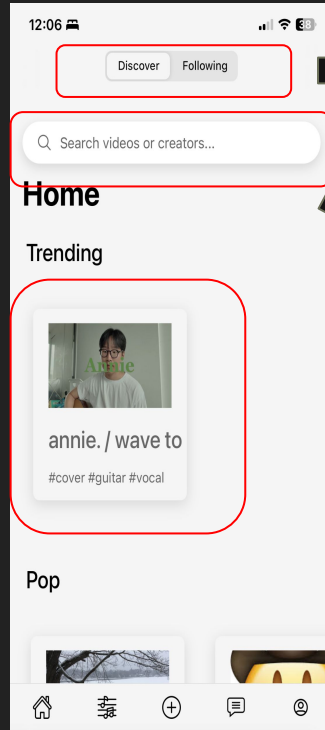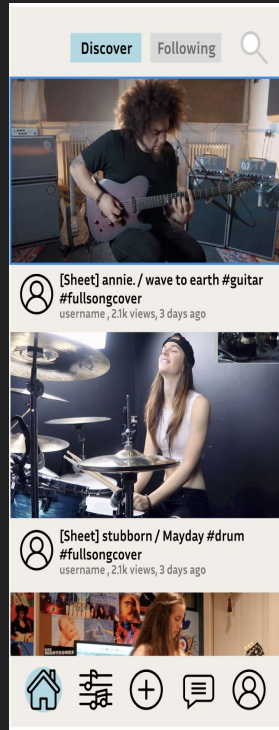
Problem Statement: Musicians often practice in isolation without easy access to collaborative tools and community feedback.

Solution Overview: A comprehensive platform that not only tracks individual progress but also allows for mixing tracks, sharing music sheets, and community engagement.

Overview of Revised Design
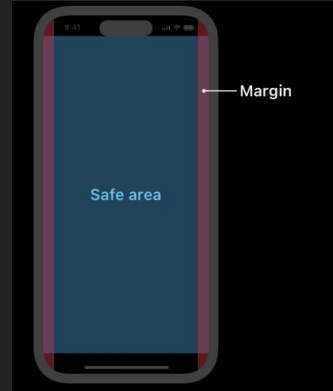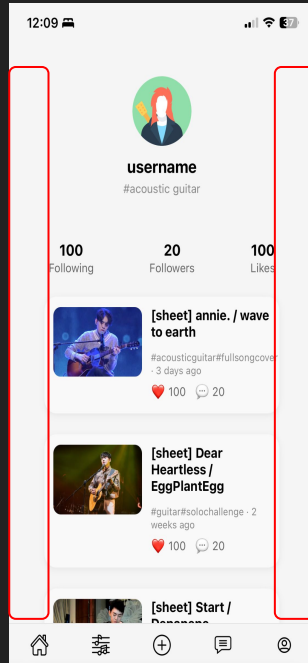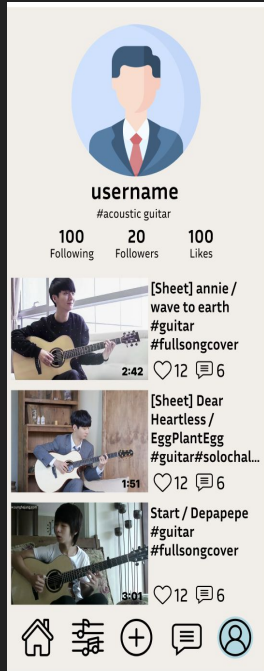
Figma Version vs **New version**

iOS-Inspired Design

- **Tab Views:**
  The different tabs for switching between content.
- **Search Fields:**
  Input fields where users can type queries.
- **Rounded Corners** with **Shade**:
  Likely icons or buttons with a circular shape and shadow effect.

Overview of Revised Design

Figma Version   vs   New version

Margin

Safe area

Tab bars

iOS-Inspired Design

- **Margin:**
  Spacing around components or the overall layout.
- **Tab Bars:**
  The navigation bar at the bottom or top, containing the tab icons/buttons.
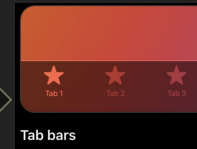
Prototype

AI Tools

Used various AI models to implement app including:
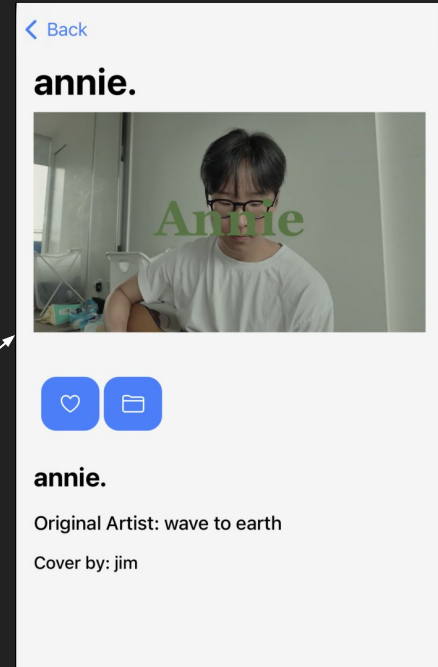- Chatgpt 4.5
- Grok 3
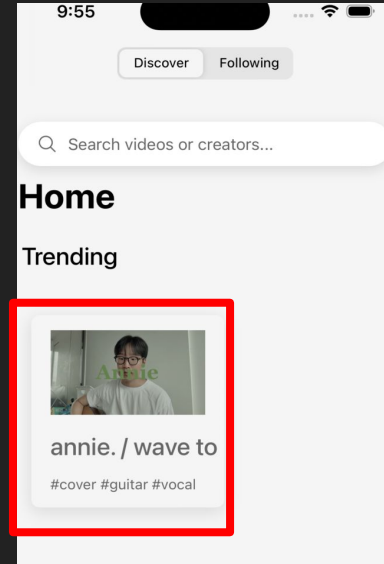- Gemini 2.5

Dev Tools

- Ionic Framework
    - App development kit using web frameworks
    - Utilized Capacitor to build into mobile app
    - Used because it most aligned with our skill sets
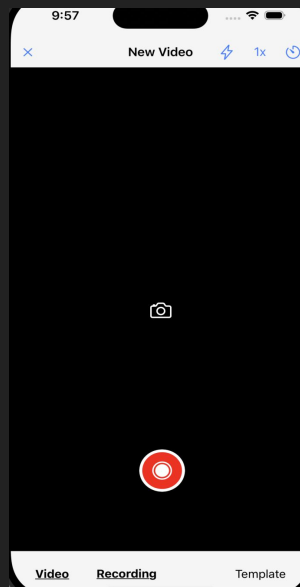
Implemented Features

- Users can view videos
- Adding a new video mostly functional (new videos appear on profile)
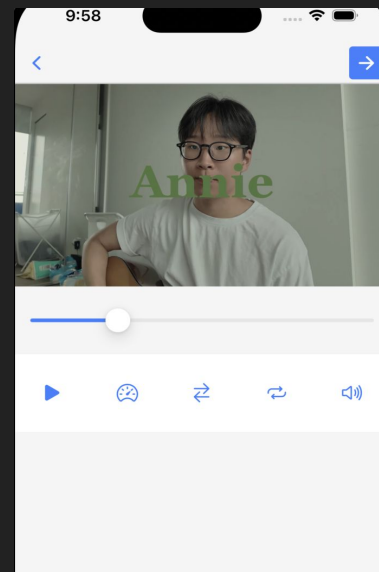- Can view sheet music from sheet music library

Unimplemented Features

- Video recording + editing not functional
- Messages are hardcoded
- Uploading to sheet music library is hardcoded

camera not available

placeholder video in editing view

Issues / Questions

- **[recording video]** Camera Access & Permissions - open the mobile device's camera within our Ionic web app, especially how to properly request permissions and handle recording directly inside the app interface

- **[upload sheet music / video]** Accessing Local Video Files - allowing users to select an existing video from their device's gallery or file system

- **[recording video]** Metronome Functionality Inside Recording Screen - original design includes a built-in metronome that runs while recording video, but we are uncertain how to make it function simultaneously with camera access
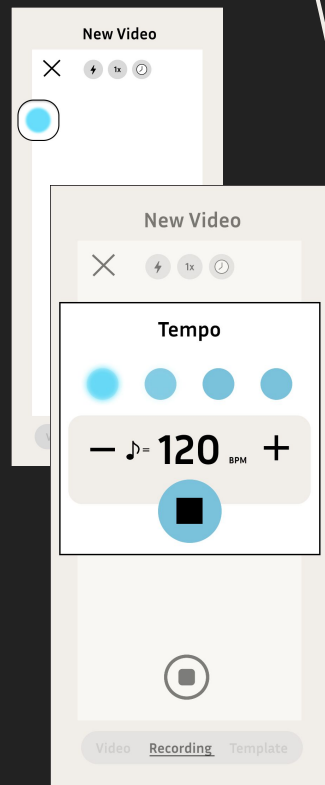
Demo Video

User Journey with Lisa — A Music Learner's Day

Lisa is a 20-year-old college student who loves playing piano and sharing her music online.

She practices regularly and enjoys discovering new content and contributing to the music community.
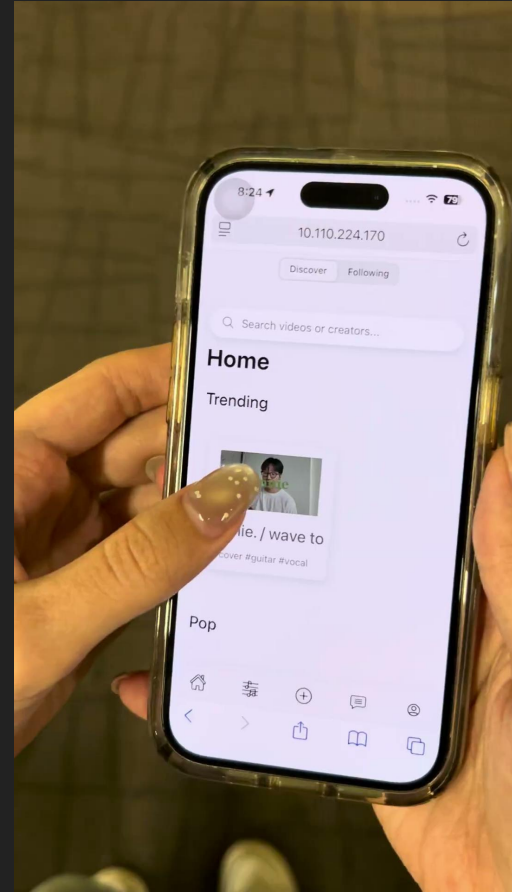
Task 1 - Like a Video

- **Scene:**
  During a short break between classes, Lisa opens the app to browse music videos. She scrolls through the homepage and finds a video that inspires her. She taps the **heart icon** to like it.
- **Steps:**
  1. User opens homepage
  2. Scrolls through video list
 3. Taps the heart icon
  4. Notification

Task 2 - Upload Sheet Music

- **Scene:**
  Lisa has recently digitized some of her practice scores. Instead of keeping them scattered across her device or cloud storage, she uploads them to the app's **sheet music library** for easier access and organization.

- **Steps:**
  1. Navigate to the sheet music library
  2. Tap the "Upload" button
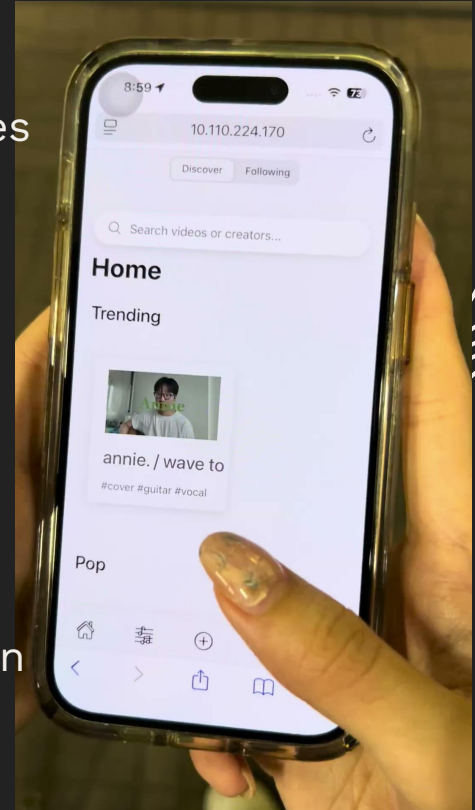 3. (Select a file from the device)
  4. Notification
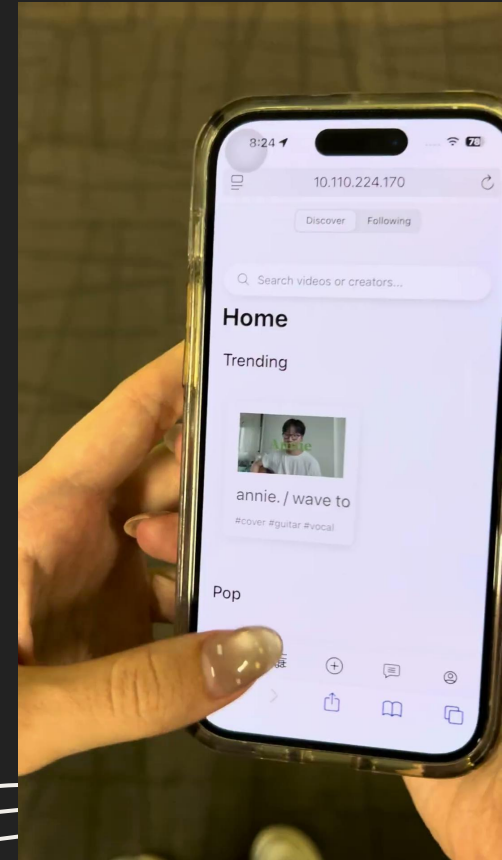
Task 3 - Record & Upload Video

- **Scene:**
  Lisa feels confident after practicing a new song. She decides to record a performance video to share with others.

- **Steps:**
  1. Tap the "+" button
  2. Select "Recording" (default option)
  3. begin your performance
  4. preview and edit the video, then tap "next"
  5. Fill in title, description, and tags
  6. Tap "submit"
  7. Redirected to the homepage with a success notification
  8. the newly uploaded video is visible on profile page

Thanks!