

Noted

where your story meets soundtrack

High-Fidelity Prototype Readme
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Alyssa Frederick
Designer

Kabir Jolly
Developer

Caleb Liu
Developer

Jasmine Vonk
Product Manager

What is Noted & When would you use it?

Noted is for the avid photographers and music listeners that desire an organized way to chronicle and reflect on past experiences. We extend beyond the boundaries of typical journaling, capitalizing on music's intimate relationship with human emotions and memory to capture previously missed opportunities for reflection. Noted facilitates reflection through the pairing of photos and songs, creating a space both for introspection on meaningful memories as well as rediscovery of forgotten moments. Noted can be used when a user wants to reflect on old memories or connect with close friends and family over shared memories.

Prototype

We used React Native and Expo to develop and build our high-fi prototype, as well as personal device and the Xcode simulator on Apple to test

Installation Requirements & Operating Instructions

Noted can be accessed via an iOS or Android device. It is optimized for an iPhone 14 Pro screen, so we recommend running it on an iOS mobile device

To run Noted on your device:

1. Download the "Expo Go" app from the App Store / Google Play Store
2. If you don't have a Spotify account already, create one (can be the free version). Then, if you haven't already, contact one of our team members so that the email can get added to the authorized list of users for the Spotify API. The music portion of the app will not work for Spotify accounts that aren't approved
3. Scan the QR code below using your camera app



4. Log in to the app with your phone number, which will be mapped to your account. For the 6 digit verification code, type any 6-digit number

Limitations

Some backend limitations will affect your usage of the app:

Wizard-of-Oz

1. *2-factor SMS Verification:* Because the focus of this class is on user experience and design, we wanted to prioritize developing the front end portion of the app over 2FA. If we were to launch this app to the real-world, we would prioritize 2FA for security reasons. To bypass the 6-digit verification code screen, type any number and proceed
2. *Spotify API Token Expiration:* You may encounter a 403 error due to the Spotify authorization token mapped to your account expiring. To fix this error, you will need to log out and create a new account (with a different phone number, which doesn't have to be a real number)
3. *Firebase Storage Fetch Times:* The app may take a long time (5-10 seconds) to fully load the images associated with each pairing. This may be due to our Firebase account being on the free tier
4. *Limited Display of Conversation History:* The messages screen only displays a finite amount of messages. We can communicate the design and functionality of the screen by only fetching the top 10 messages rather than the entire conversation every time (and having to implement an infinite scroll and re-fetch)
5. *Nested Scroll Views in Reflect Page:* The reflect page scrolls vertically, and the collections component, which is inside of the reflect page, also scrolls

vertically. React Native doesn't handle nested scroll behavior that well. You may experience unexpected scroll behavior on this screen, but it shouldn't interfere with interactions

6. *Collection Algorithm*: We did not implement a collection-making algorithm that grouped pairings by genre or mood. Instead, we pair them together randomly.

Hard-coded Aspects

We have no hard-coded elements on our app. All of our music, photos, and profile data is real.