



# ConcertBuds

## *High Fidelity Prototype README*

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### **Introduction**

Concert-goers often want to meet up with others who have the same music taste to go to live performances together, but do not have any convenient, reliable way to do so.

ConcertBuds connects you with fellow concert-goers who are taking a similar route to the venue so you can plan meetups, share the ride, and start the party on your commute! Our app focuses on fostering real life interactions and building community. Primarily designed for solo concert goers, users can see and chat with other people going to concerts and find shared routes to venues on public transportation. By fostering meetups on public transportation, we promote sustainability and personal safety while designing for fun.

### **Tools Used**

Our prototype was built using React Native and ExpoGo to be executed on an iPhone 16 Plus running iOS 18.0. However, ConcertBuds can be accessed on any mobile device that is able to download ExpoGo. ExpoGo can be downloaded from the iOS app store or Google Play store.

How to run:

- Download zipped files from our [Github repository](#) and unzip them.
- Open a terminal (Mac) or command prompt (PC) and run the following commands in the unzipped directory:
  - **npm install --legacy-peer-deps**  
(We are using Expo SDK 51, so this tag is necessary)
  - **npx expo start**  
This will generate a QR code that you can scan with your phone to open the ConcertBuds app in ExpoGo.

### Hard-Coded Data & Limitations

We were able to implement the UI and basic functionality of all 3 of our primary tasks. Due to time constraints, we used hard coded data in the following:

- User profile's name is fetched from the database but user's preferences are currently hardcoded and are in our future implementation steps.
- Current matching algorithm is hard coded to two location points near the user.
- Currently, you are not able to join your "Buddy Chat" after being matched with your specific buddies for a concert, which is a chat made up of users you've matched with.
- Due to limits in the number of concerts we can manually RSVP to, we hard coded two users (James and Eli) to be RSVPed going to every concert. In the future, we anticipate more users using the app and thus eliminating the need for this placeholder.
- "Past Shows" is hard-coded in the profile page for now. In the future, we would allow this to be clickable to view a past concert experience with other ConcertBuds.
- We populated the database with 55 test users, RSVPing them to random concerts to simulate a real-app experience
- We used <https://xsgames.co/randomusers/> to generate random pixelated avatars as default avatars for users.

## **“Wizard-of-Oz” Techniques**

We used Wizard-of-Oz techniques to complete our high fidelity prototype in the following ways:

- Our matching algorithm currently defaults to the two placeholder users in the database (James and Eli), but in our actual implementation, these would be other users who have queued up/requested a route and optimized location to be a commute buddy.