

audiYO High Fidelity Prototype ReadMe



How to Use

Our prototype was designed for tablets. Therefore, you will need an iOS or Android tablet to run our prototype. We recommend running the prototype on an iPad (iOS). To access the prototype on an iPad:

1. Download “[Expo Go](#)” from the App Store.
2. Using the Profile Tab, sign in to Expo with the *Username: audiyo & Password: audiyo2021*
3. Use your iPad’s Camera to Scan the above QR Code, and tap the pop up that appears.
4. You will now be directed to the audiYO prototype within Expo.

Project URL: <https://expo.io/@audiyo/projects/audiyo>

Tools

We coded our Hi-Fi prototype using the React Native framework, in the Expo environment. We also used Expo to view and test the application on our iPads as we were building it.

Limitations

Hard Coded Elements:

- To create a fully functioning application, we hard coded concert information.
 - We couldn’t gain access to APIs containing concert information without submitting completed images of our screens, and on such short notice.

Wizard of Oz Techniques:

- We also used Wizard of Oz Techniques including:
 - Still images for the video-conferencing feature.
 - Pre-recorded concert videos.
- We didn’t have enough time to code a high quality live video and audio app; this would involve maintaining low-latency, load balancing, and managing user event states. We also couldn’t access the Software Development Kits required to work on live video & audio due to financial constraints.

Due to time constraints, the following features have not been implemented:

- In the *Pre-Concert Room* page:
 - Fully functioning inbuilt music player & games.
 - The “Rooms” and “Settings” tabs, which allow you to visit other Pre-Concert Rooms you have been invited to for the same concert & customize the pre-concert room whilst in the room (games, theme, etc).
- In the *My Rooms* page:

- The ability for users to change their Profile Picture.
- The ability to delete rooms.
- The ability to select customization options from the lists displayed after selecting settings.
- In the *Concert Room*:
 - The ability to interact with performers via emojis & speech.