**root**

# Hi-Fi Prototype README
# CS194H



**Intro/Background:** With root, users can engage and discover communities through shared goals and experiences. Our mission is to bring communities together through new ways to connect, engage, and live. Root began as enosi, a workout logging app from CS147, which we entirely revamped and refocused to focus more broadly on community health in hopes to make more of an impact on local and global scales.

## Installation Requirements - iPhone

Download the [Expo Go App](#) on the App Store and scan the above QR code. Our prototype will automatically load on your phone.

## Installation Requirements - Mac or Windows

1) Clone our [Github project repository](#)
2) Open Root in your favorite development environment

3) Locally navigate to the repository
4) Open a terminal window and type 'npm install' and hit enter
5) Type 'npx expo start' and open either on the Expo Go App by scanning the generated QR code, or simulate on your computer by pressing 'i'

**Operating Instructions:** Upon the loading of the app, users will be presented with a Login screen. Our database is fully functional and supports both account creation and logging in. We encourage users to press "Sign Up" to create an account, or users can optionally log in with email: [mary@test.com](mailto:mary@test.com) and password: test12. After creating an account or logging in, the user will be sent to our home screen. From here, users can log an activity or create a community with the floating "+" button, or navigate throughout the app with the navigation bar at the bottom of the screen. Through the navigation bar, one can access Search, from which both users and communities can be searched; Challenges, from which users can explore and join available challenges; finally, Profile allows users to view their posts and their communities.

**How to…**
1) **Log an Activity**: Press the floating "+" button on the Home page and two options will appear. Press the "Log activity" button to enter the Log Activity page. On the Log Activity page, type the name of your activity and an optionally brief description of how well it went. Finally, choose the type of activity you wish to log. You can either choose a preset activity from the dropdown menu or optionally type a custom activity. You can then choose a unit by tapping the "Pick unit" button and then enter how much of that activity you did by typing in the gray text box. Finally, optionally, tap the "Choose Photo" square to add a photo to your activity log. Tap the "Post" button to upload the activity post. To see your post, navigate to "Profile" and your new post will show up at the top of your post list.
2) **Add a Friend:** Navigate to the "Search" tab and tap the search bar to access the keyboard. Search for a user you wish to add. Tap on the user's name to bring up their profile. Press "Add friend" to add this user as a friend. When the button turns gray and says "Friend Added!", then you know you have successfully added this user as a friend.
3) **Create a Community:** Press the floating "+" button on the Home page and two options will appear. Press the "Create community" button to enter the New Community flow. Type a community name and add some friends to the community. Clicking submit will take you to the community settings page where you can establish privacy and security settings for your new community. Alter the settings as-desired and then click "Save" or "Save Defaults", which will navigate you to the Search tab where you can see your new community in the "Communities" sub-section.

**Other Functionalities:**
- View your friends' recent posts in the feed in the Home tab
- View the communities you are a part of within the Social tab of your Profile (this is the rightmost button within your Profile)
- Search for communities within the "Search" tab

**Limitations:**
Currently, several user personalization options are not implemented. We have not implemented user Profile settings, which would allow users to change their display name, profile photograph, and bio. Moreover, there is currently no way for a user to edit posts or information about communities that they created.

On the subject of user abilities, currently, you cannot un-add a friend or un-join a community. We would like to offer these capabilities.

Finally, we want to add more overall interactivity to the Home screen. Namely, we are considering adding the capability for commenting on user activities, tapping on usernames from Home to view profiles, and allowing users to see information about their Communities from the Search tab.