

barefoot hi-fi prototype README

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Tools used:

We built our high-fidelity prototype with React Native and Expo. We used Apple's XCode Simulator to test the app, as well as Github to manage the collaborative workflow.

Operating instructions:

Our prototype is accessible on both iOS and Android devices, but it is targeted and optimized for iOS (iPhone 11).

To access the app on an iOS device:

1. Download "Expo Client" from the App Store
2. Login to EXPO with credentials:
 - a. Username: zh0og
 - b. Password: barefootCS147
3. Open your phone browser and go to:
<https://expo.io/@zh0og/projects/barefoot147wi>
4. Click : open project using expo", or scan the QR code!
5. Congratulations! You can now use barefoot!

Implementation Details:

Features:

1. React Native Swipers,
2. Overlays,
3. Switches,
4. Map API,
5. Tab and Stack Navigation,
6. Stopwatch

Hard Coded Elements:

To supplement our main task-flows and emulate a fully-functional app, some features of our prototype are hardcoded.

1. The trails are hard-coded and all direct to "Owl Trail" on the preview. (Across all 3 methods of starting a trail; ie, navigating from map, explore, or feed.)
2. The profile page is hardcoded and static.
3. The camera has no photo-taking functionality.
4. The "Start Follow" and "Record" features don't actually record location and movement.
5. Sending a trail to a friend doesn't actually send (both through app or through external platform).

Limitations:

We still have many features that we would like to implement and improve. Some of the main usability issues are:

1. The "Create" mode recording icon bar must be manually reloaded upon multiple runs in order to reset the state to work properly.
 - a. (to reset, reload the app by returning to your browser and reopening the app on Expo Client.)
2. The sliding screen in "Create" mode to enter the title and description of a trail will glitch and move the slider when you first type -- simply slide it back into place and keep typing.
3. Sometimes, the stacks will cache, and clicking to a new tab in the bottom tab navigator will take you to the last-accessed screen on that stack. To reset and return to the main screen on that tab, just press the bottom icon of the desired tab twice.