Instructions:

<u>Installation:</u>
The following are instructions on how to run and test our application using expo, a free to use React Native bundler which allows developers to build and test their application on a simulator.

Please note that our application is currently only intended for iOS users and testing is only available for Mac OS.

Required dependencies (for Mac OS)
1) Expo Client
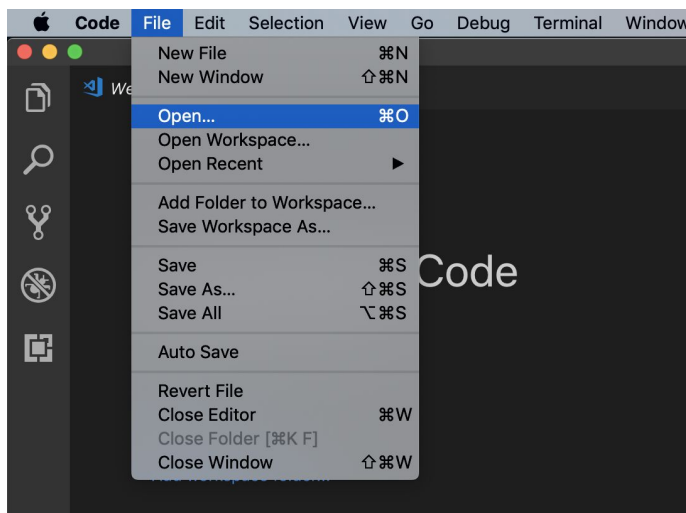2) Node.js
3) VS Code
4) Homebrew
5) Node
6) Watchman
7) Xcode

iOS simulator (Mac OS)
1) Download the habittracker.zip file from our project submission.
2) Extract the file and place it in your desired repository.
3) Install Node.js (LTS version)
    ○ Link: https://nodejs.org/en/download/
    ○ Must be version 10 or later
4) Install VS Code
    ○ Link: https://code.visualstudio.com/download
5) Install Homebrew
    ○ Link: https://brew.sh/
6) After installing homebrew, use homebrew to install Node and Watchman
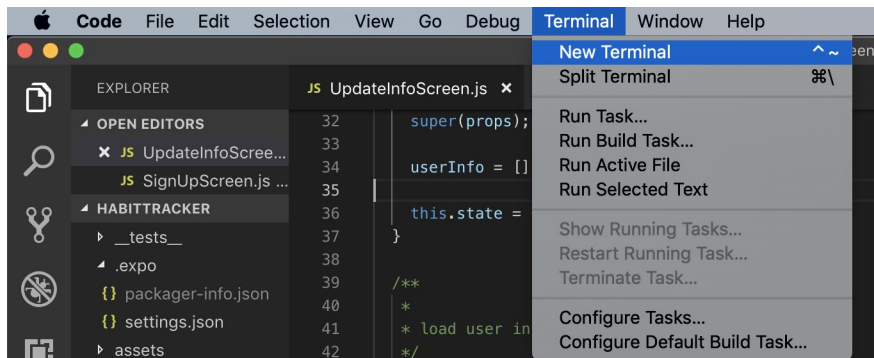   ○ Use the terminal command line

```
brew install node
brew install watchman
```

7) Install Xcode
    ○ Link: https://itunes.apple.com/us/app/xcode/id497799835?mt=12
    ○ Use the Apple app store on your mac device to install the latest version of Xcode
    ○ If you already have Xcode, please ensure it is version 9.4 or later
8) Launch VS Code

9) When you have opened VS Code, load the project.
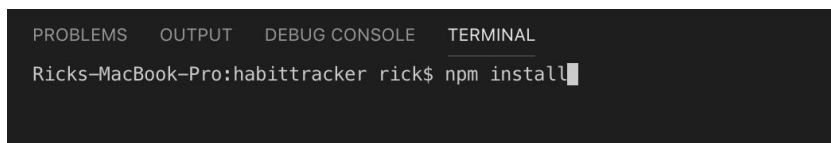

10) Once the project is loaded, start a new terminal.

11) Change directory to the directory that contains the project files.
12) In the command line, enter "npm install -g expo-cli"
   ○ This may require sudo access

13) In the command line, enter "npm install" (without quotes).

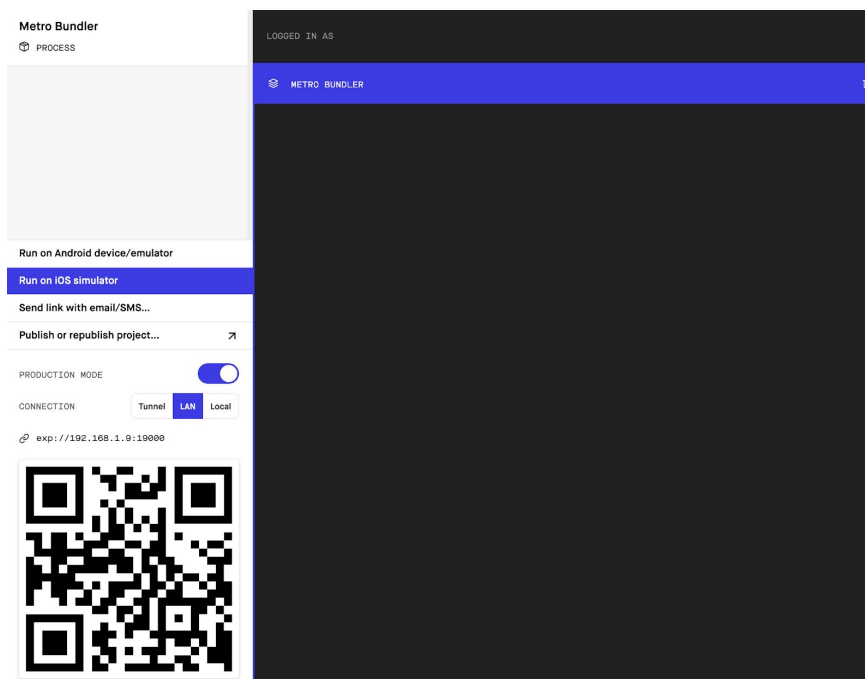14) Once installation is complete, type "expo start" (without quotes). This will open a new window.

```
PROBLEMS    OUTPUT    DEBUG CONSOLE    TERMINAL                                                    1: bash        ⇕  +  ⬚  🗑  ∧  ✕
Ricks-MacBook-Pro:habittracker rick$ npm install
npm WARN defer-render-hoc@0.3.0 requires a peer of react-dom@^16.0.0 but none is installed. You must install peer dependencies yourself.
npm WARN react-native-reanimated@1.0.0-alpha.11 requires a peer of react@16.0.0-alpha.6 but none is installed. You must install peer dependencies yourself.
npm WARN react-native-reanimated@1.0.0-alpha.11 requires a peer of react-native@^0.44.1 but none is installed. You must install peer dependencies yourself.
npm WARN expo-google-sign-in@2.0.0 requires a peer of react-native@^0.55.4 but none is installed. You must install peer dependencies yourself.
npm WARN react-native-reanimated@1.0.0-alpha.12 requires a peer of react@16.0.0-alpha.6 but none is installed. You must install peer dependencies yourself.
npm WARN react-native-reanimated@1.0.0-alpha.12 requires a peer of react-native@^0.44.1 but none is installed. You must install peer dependencies yourself.
npm WARN url-loader@1.1.2 requires a peer of webpack@^3.0.0 || ^4.0.0 but none is installed. You must install peer dependencies yourself.

audited 38617 packages in 7.581s
found 74 vulnerabilities (71 low, 2 moderate, 1 high)
  run `npm audit fix` to fix them, or `npm audit` for details
Ricks-MacBook-Pro:habittracker rick$ expo start
```
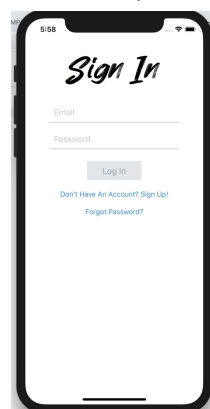
15) This will open up a new window on your default browser. On the new window, click "Run on IOS simulator"
   ○ If you have an iPhone, you may also download the Expo application from the store and then use your camera to scan the QR code. This will allow you to run the device on your own phone. Must be iOS 11 or later.
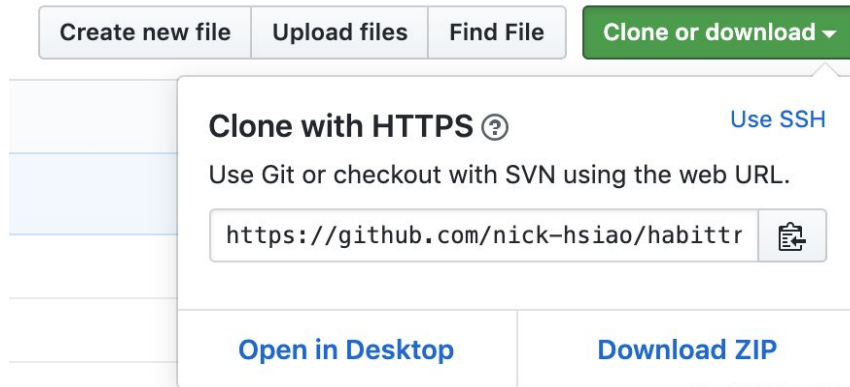

16) This will open up the Xcode iOS simulator.
   ○ For best performance, run the simulator using IPhone X - 11.4

Alternative Option for downloading files (Only if you have Git set up):

1) If for any reason the zipped files do not work please contact me @ hsiao.nicholas@gmail.com with your github email. I will add you to our github repository as a contributor.
2) From there you will be to access our repository and use the git command line, "git clone https://github.com/nick-hsiao/habittracker.git" after navigating to your desired directory.

3) After that you may continue from step 3 in the IOS Simulator instructions.

Application Guide:

1) Once a habit is made, you can double tap the habit to increment the counter.

2) Hold down on a habit component to reset the habit's counter.

3) Swipe right to go back to previous screen.

4) When creating or editing a habit, the habit name must be at least 2 characters in order for it to be saved.

Premade user accounts you can test:

1) email: rdj@stark.io, password: iamironman

2) email: chrishems@avengers.io, password: hammertime

Contact:
Please contact me at hsiao.nicholas@gmail.com if you have any installation problems or problems with the application. I will usually get back to you within 12 hours or less. Thank you.