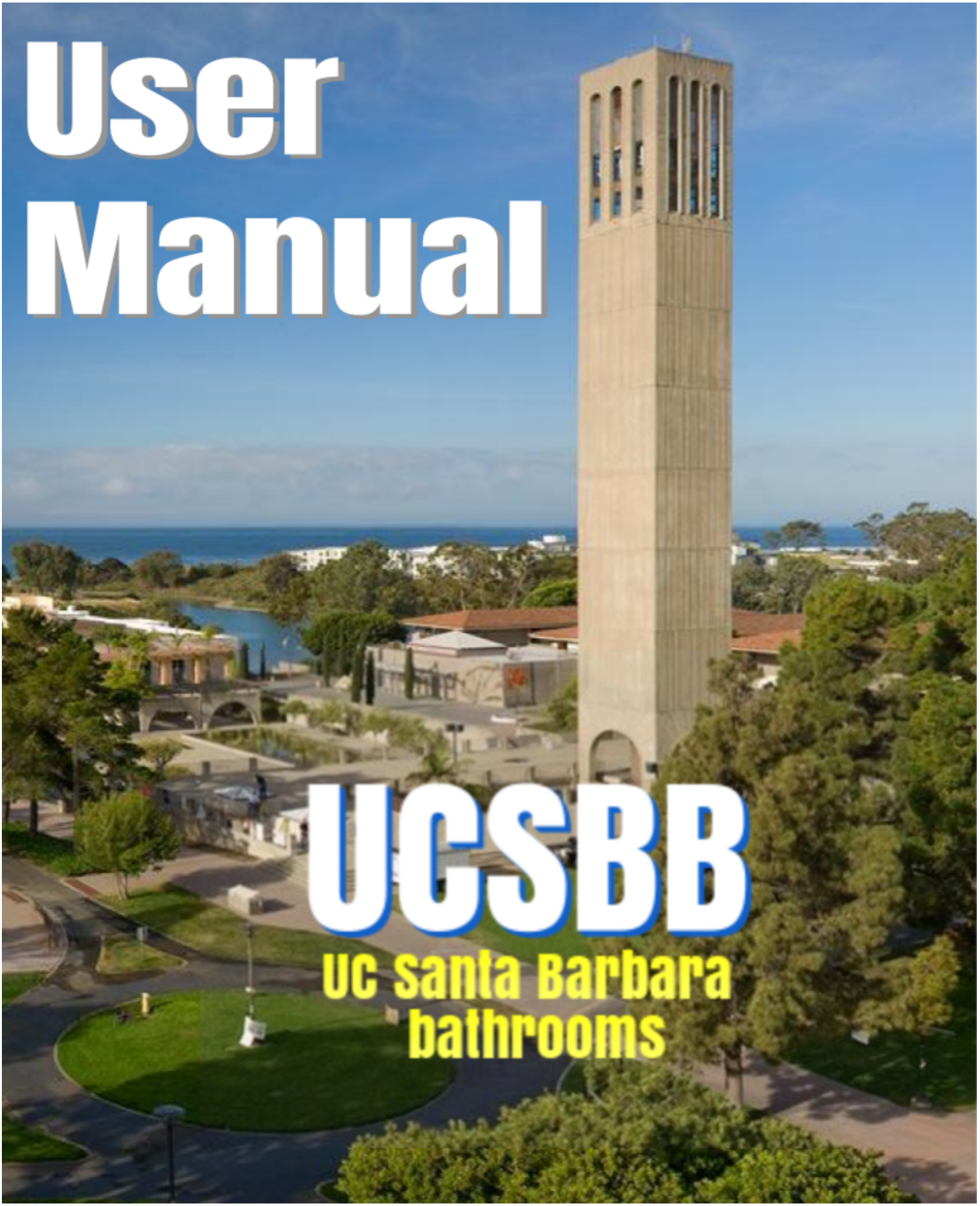
User Manual



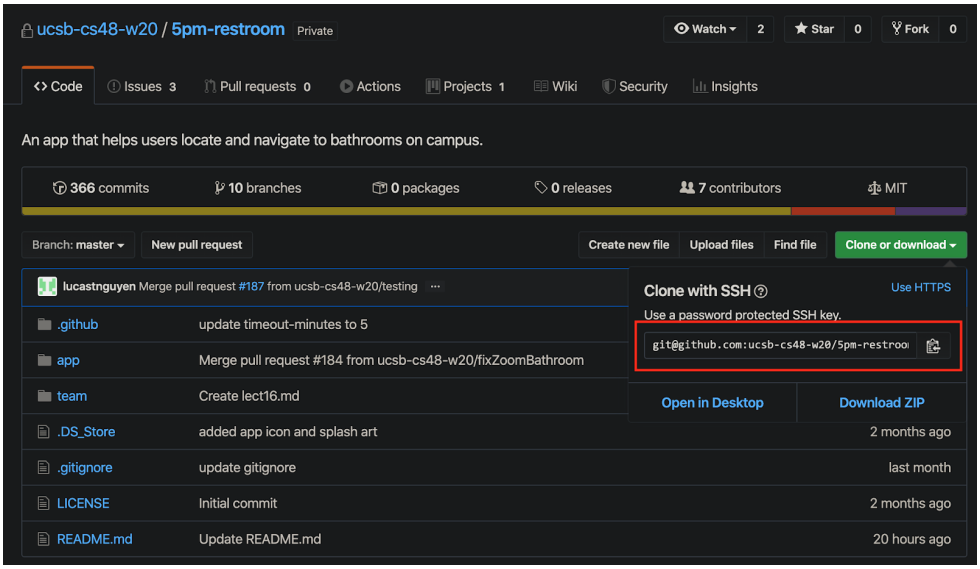
UCSBB

UC Santa Barbara bathrooms

Table of Contents

Introduction 1

UCSB Bathrooms, or UCSBB, is a mobile app that helps people locate restrooms in buildings on the University of California, Santa Barbara campus. Users can use the built-in map to locate nearby buildings as well as bathrooms within those buildings. Details about each bathroom - such as room number, gender, and accessibility information - can be obtained in this app. Users can customize which bathrooms they would like to see on the map by changing their gender and accessibility preferences in the settings of the app.



STEP 1: Installation

In your web browser, navigate to https://www.npmjs.com/get-npm to install npm. Alternatively, use your favorite package manager to install npm.

In your web browser, navigate to https://github.com/ucsb-cs48-w20/5pm-restroom. Click

Copy the URL in the box.

```
cameron@ckmbp ~/Documents/2Undergrad $ git clone git@github.com:ucsb-cs48-w20/5pm-restroom.git
Cloning into '5pm-restroom'...
remote: Enumerating objects: 41, done.
remote: Counting objects: 100% (41/41), done.
remote: Compressing objects: 100% (41/41), done.
remote: Total 1899 (delta 16), reused 6 (delta 0), pack-reused 1858
Receiving objects: 100% (1899/1899), 12.95 MiB | 3.91 MiB/s, done.
Resolving deltas: 100% (976/976), done.
cameron@ckmbp ~/Documents/2Undergrad $ cd 5pm-restroom/app/UCSBB/
```

STEP 2: Installation

In your command line, type `git clone` followed by the URL of the repository. i.e. `git clone git@github.com:ucsb-cs48-w20/5pm-restroom.git`

In the command line, enter the UCSBB project using `cd 5pm-restroom/app/UCSBB/`

```
cameron@ckmbp ~/Documents/2Undergrad $ git clone git@github.com:ucsb-cs48-w20/5pm-restroom.git
Cloning into '5pm-restroom'...
remote: Enumerating objects: 41, done.
remote: Counting objects: 100% (41/41), done.
remote: Compressing objects: 100% (41/41), done.
remote: Total 1899 (delta 16), reused 6 (delta 0), pack-reused 1858
Receiving objects: 100% (1899/1899), 12.95 MiB | 3.91 MiB/s, done.
Resolving deltas: 100% (976/976), done.
cameron@ckmbp ~/Documents/2Undergrad $ cd 5pm-restroom/app/UCSBB/
cameron@ckmbp ~/Documents/2Undergrad/5pm-restroom/app/UCSBB $ npm install

cameron@ckmbp ~/Documents/2Undergrad/5pm-restroom/app/UCSBB $ npm install -g expo-cli

cameron@ckmbp ~/Documents/2Undergrad/5pm-restroom/app/UCSBB $ expo start
```

STEP 3: Running the App

In your command line, type `npm install` then `npm install -g expo-cli`

Then, to run the app, type `expo start`

STEP 4: Running the App

4.1 iOS Simulator

Make sure Xcode is installed.

Type **i** to start the app in the iOS Simulator.

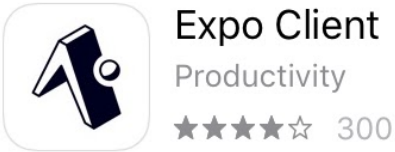
4.2 Android Emulator

***Make sure Android Studio is installed and a virtual device has been created via AVD Manager*.**

Type **a** to start the app in the Android Emulator.

4.3 Physical Mobile Device

To run the app on a real mobile device, first **download the Expo app** in the App Store or Google Play Store.



For iOS devices, **use your device's camera to scan the QR code** that appears in the command line. A link will appear that takes you directly to the app through the Expo Client.

For Android devices, **open the Expo App and tap on "Scan QR Code"**. Then, scan the QR code that appears in the command line. This will automatically start up the app.

STEP 5: Closing the App

To exit the app, type **CTRL + C** in the command line.

Map

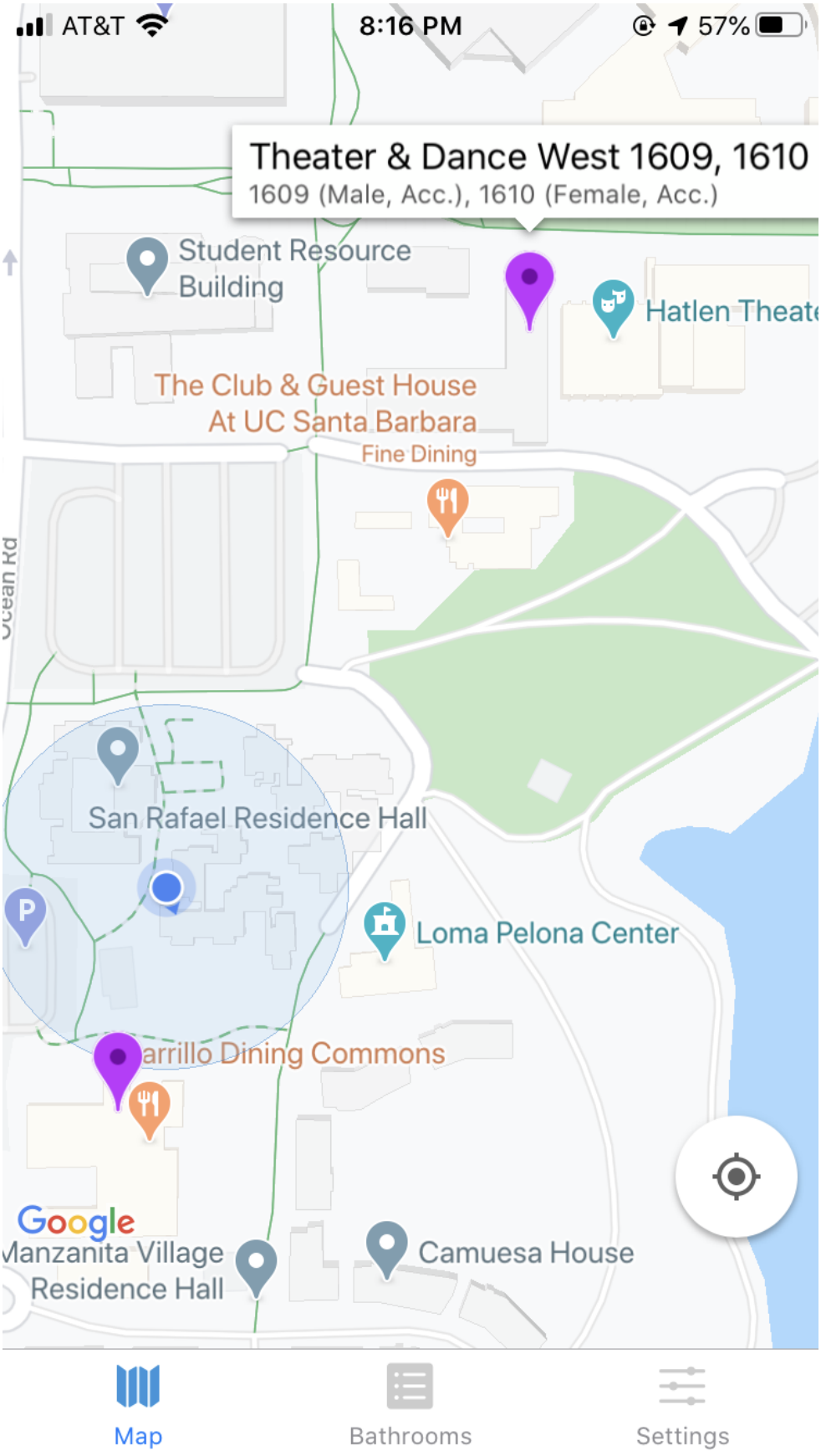
This is the main map tab. The app opens to this tab **by default**. Here, you will find colored markers indicating bathroom locations. These markers can be filtered in the Settings tab (located in the bottom right).

Color Designations:

All-Gender Bathroom (may also contain male and female bathrooms)
Male Bathroom
Female Bathroom
Cluster of Both Male & Female Bathrooms

Re-Center Button

Tapping the button will recenter the map on your current location.



Map Interaction

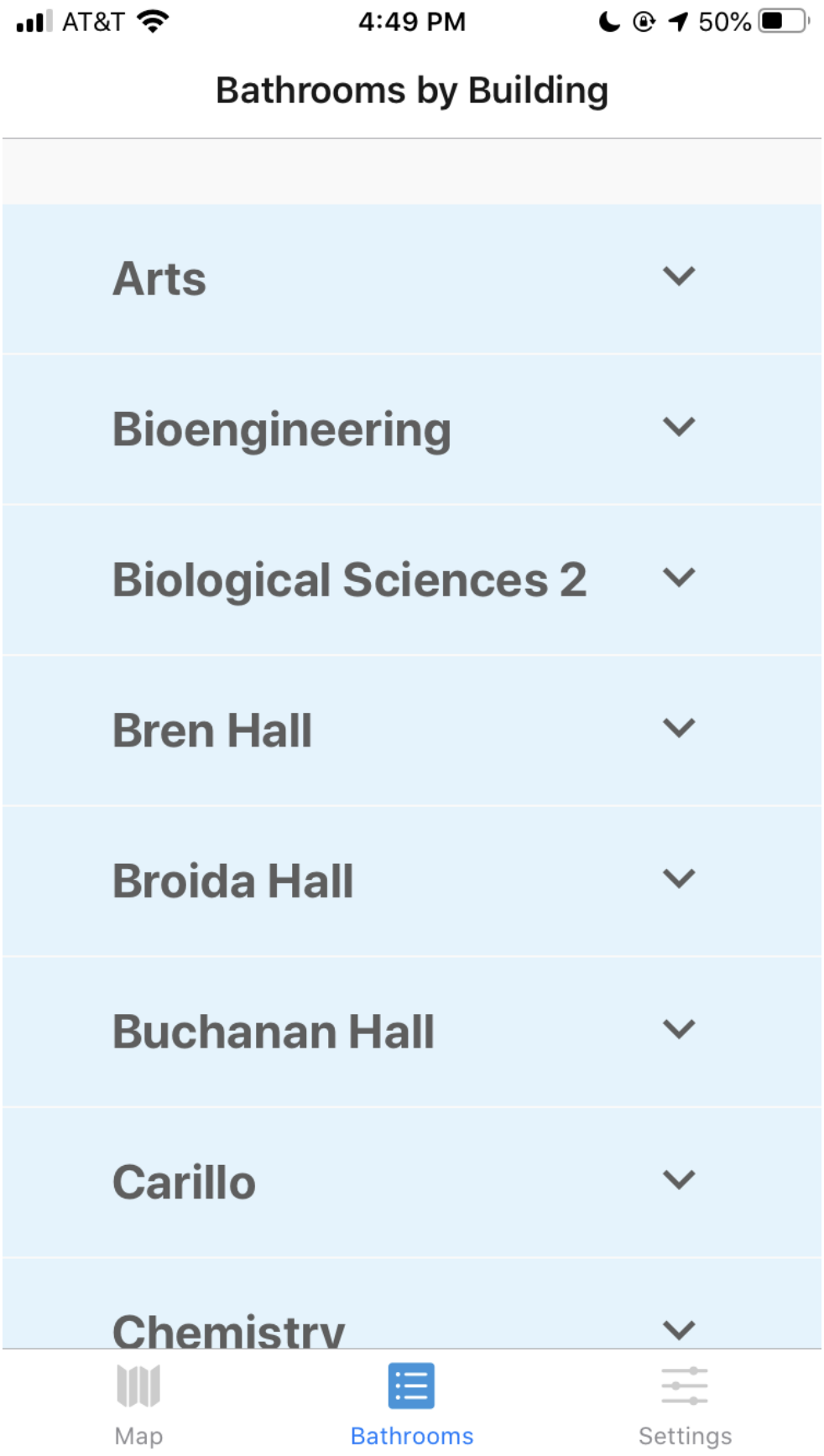
The map uses location services to display your current location.

- For a mobile device, you must enable location services for the Expo app in order to use this feature.
- For an iOS simulator/Android emulator, you will be prompted to allow UCSBB to use your current location.

Pinching the screen will zoom the map in and out. Zooming out is limited to the scope of the UCSB campus.

Dragging the screen will move the map.

Tapping on a bathroom marker will create a pop-up that contains all the restrooms and details (room number, gender, accessibility) at that location.

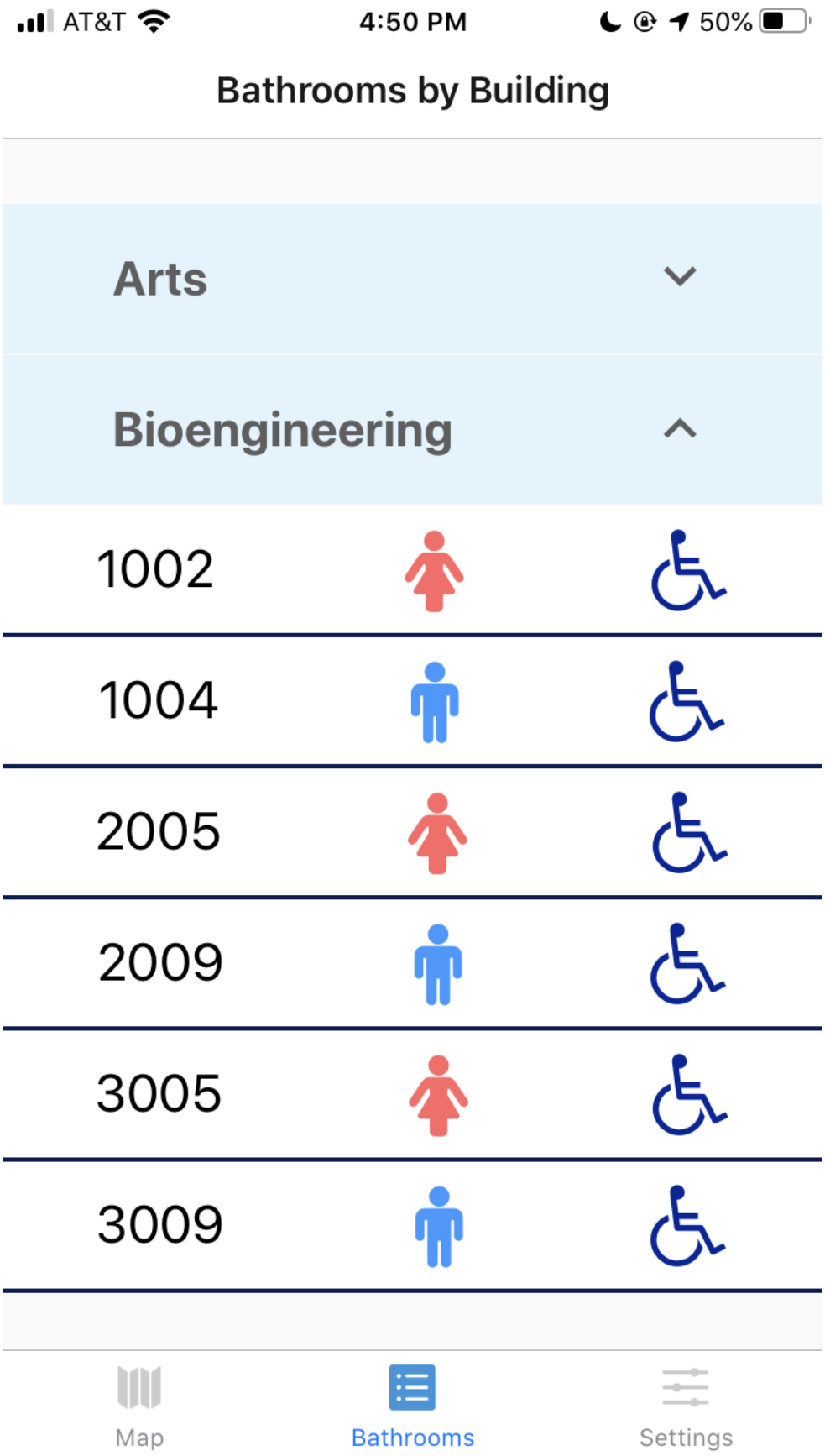


Bathrooms by Building

You can access this tab by tapping the icon labeled "Bathrooms" on the bottom bar.

This tab displays bathrooms on the UCSB campus, grouped by building.

You can swipe up and down with your finger to scroll through all the buildings.



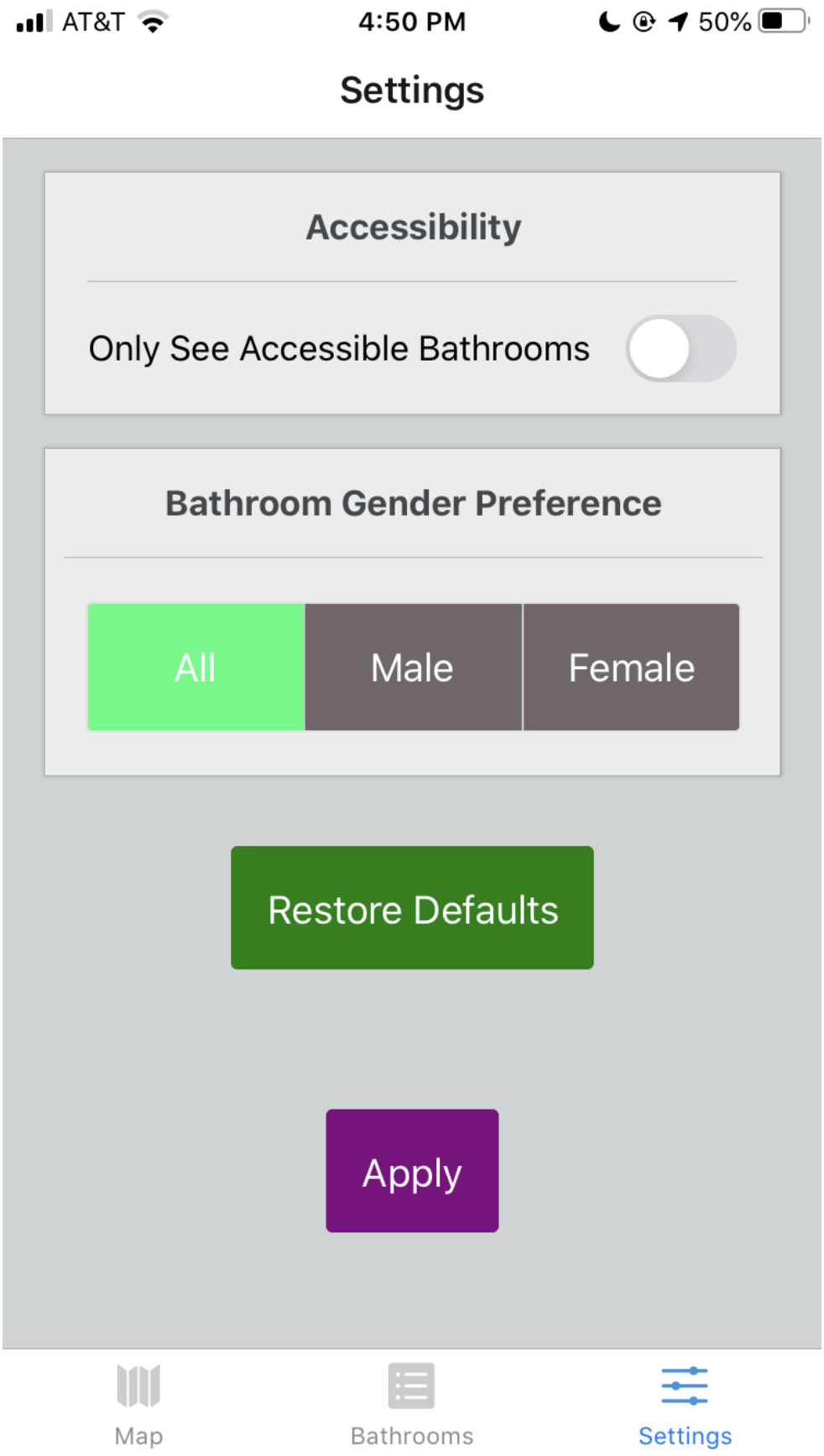
Bathrooms by Building

Tapping on any of the building names will open a list of all the bathrooms in that building.

The list displays information on each bathroom. This information includes room number, if the bathroom is male, female, or gender neutral, and if the bathroom is handicap accessible.

Tapping on an individual bathroom will switch the user to the map and center the map on that specific bathroom.

Tapping on the building name once again collapses this list.



Settings

You can access this tab by tapping the icon labeled "Settings" on the bottom bar.

This tab features different settings that you may choose to use in order to filter which bathrooms you want to see on the map.

You can enable "Only See Accessible Bathrooms" in order to hide non-accessible bathrooms on the map.

You can select your gender preference as "**All**" in order to see male, female, and gender neutral bathrooms on the map.

You can select your gender preference as "**Male**" in order to see male and gender neutral bathrooms on the map.

You can select your gender preference as "**Female**" in order to see female and gender neutral bathrooms on the map.

Tapping "Restore Defaults" will turn off "Only See Accessible Bathrooms", and set your gender preference to "All".

Tapping "Apply" applies these changed settings and takes you back to the Map tab, where you can see your chosen settings in action.
(*If "Apply" is not tapped, the map screen <u>WILL NOT</u> reflect the changed settings.*)

Link	Description
https://github.com/ucsb-cs48-w20/5pm-restroom	This is the **github repository for the application**. Use this link to find the README.md as well as other resources related to UCSBB.
https://www.npmjs.com/get-npm	**Installing NPM** (Node Package Manager), which is used for the installation process of running the app.
https://expo.io/tools	More information on **Expo CLI** (command-line interface), **Expo Client**, and other **Expo Tools**
https://developer.apple.com/xcode/	**Getting Xcode** (used for running the app on an iOS Simulator)
https://developer.android.com/studio/	**Getting Android Studio** (used for running the app on an Android Emulator)