

## Module Testing

Team Member: David Sun

### **Modules Worked on:**

1. Authentication
2. Map View
3. Timestamps

### **Testing:**

1. Create an account
  - a. Enter credentials for user information in fields provided
  - b. Hit submit button to enter information into the database
  - c. Assert all information (user email, username) is correctly stored into database
2. Logging in
  - a. Enter in credentials. If not signed up for the app yet, proceed to create an account first.
  - b. Once authenticated, verify that the app navigates to the *list view* page.
3. See all listings on the map
  - a. Make a query to our database to retrieve posting data.
  - b. Retrieve the longitude and latitude coordinates from each posting.
  - c. Verify that each pin on the map corresponds to a valid posting.
4. Timestamp
  - a. Login/Create account.
  - b. Check in to a parking spot.
  - c. Verify that the checkInTime field of the listing you checked into is in the firebase tree.
  - d. Open the drawer and click on My Space.
  - e. Checkout of that Space.
  - f. Verify that the checkOutTime field of the listing you checked into is in the firebase tree.
  - g. See the alert with the amount you owe the spot owner that was calculated using the two timestamps.

Team Member: Tyler Tagawa

### **Modules Worked on:**

1. Authentication
2. Map View
3. Timestamps

### **Testing:**

1. Timestamp
  - a. Login/Create account.
  - b. Check in to a parking spot.

- c. Verify that the checkInTime field of the listing you checked into is in the firebase tree.
  - d. Open the drawer and click on My Space.
  - e. Checkout of that Space.
  - f. Verify that the checkOutTime field of the listing you checked into is in the firebase tree.
  - g. See the alert with the amount you owe the spot owner that was calculated using the two timestamps.
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  - a. Make a query to our database to retrieve posting data.
  - b. Retrieve the longitude and latitude coordinates from each posting.
  - c. Verify that each pin on the map corresponds to a valid posting.

Team Member: Matthew Kim & Raul Lopez- Luna

**Modules Worked on:**

1. Hostspace
2. My Postings
3. My Space
4. Checked Space
5. Edit (delete) Post
6. Startup logic

**Testing:**

1. Create a space
  - a. Open the drawer by clicking the navicon in the top left corner.
  - b. Click on "Create Space".
  - c. Fill out each field with valid address, city and state.
  - d. If not all fields filled, check that "please fill out all fields" alert appears.
  - e. If invalid information given, check that "please enter valid address" alert appears.
  - f. Hit submit button, which returns to the main list view.
  - g. Verify that new listing appears on the main list view.
2. Delete a space
  - a. Open the drawer by clicking the navicon in the top left corner.

- b. Click on “My Postings”.
  - c. Verify that “?” icon appears if user has no postings.
  - d. Otherwise click the space you wish to delete.
  - e. Click the red “delete this post” button.
  - f. If space currently occupied, verify the “space is currently occupied” alert appears.
  - g. If space is available verify that the space is deleted from the main list view.
- 3. My Space
  - a. Open the drawer by clicking the navicon in the top left corner.
  - b. Click on “My Postings”.
  - c. Verify that “?” icon appears if user is not checked in.
  - d. Otherwise click checkout.
  - e. Verify alert appears with price owed and that spot is no longer checked in.
- 4. Logging Out
  - a. Open the drawer by clicking the navicon in the top left corner.
  - b. Click on “Settings”.
  - c. Click “log out” button.
  - d. Verify that log out alert appears and user has been logged out.
  - e. The app navigates to
- 5. Startup logic
  - a. Open up the app. There are two possible paths the navigator can take.
  - b. If a user is already signed in, the app will redirect to My ListView and show all available postings
  - c. If a user is not logged in, redirect to login page.
  - d. Auth verification is handled in startup/splash screen

Team Member: Joshua Pena

**Modules Worked On:**

- 1. Start-Up Logic

**Testing:**

- 1. Startup logic
  - a. Open up the app. There are two possible paths the navigator can take.
  - b. If a user is already signed in, the app will redirect to My ListView and show all available postings
  - c. If a user is not logged in, redirect to login page.
  - d. Auth verification is handled in startup/splash screen

Team Member: Colin Au

**Modules Worked On:**

- 1. Navigation
- 2. Drawer
- 3. Swipe functionality

**Testing:**

- 1. Navigation

- A. Open the application. It should go to the login page if not logged in or to the MyListView Page where it shows the page spaces.
- B. Once in the MyListView page (Main Page), you can navigate to other screen like Create a Space, My Postings, My checked space, and settings by a click of a button.
- C. You can also click one of the space, which will go the specific parking space where it will show the space owner, the price, and the map of the space. From here you can click to check in the space and it will make sure by clicking confirm or decline.
- D. In create a space screen, my postings screen, and my space, you can create a space, delete a space, and checkout the space, which will all navigate back to the MyListView page.
- E. Finally, there is a logout button in settings page which will allow the user to logout and navigate to the login page.

## 2. Drawer

- A. When in the MyListView page, you can access the drawer by clicking on the leftmost icon or swiping left.
- B. When the navigation window/drawer is open, you can click on the four different buttons which consists of Create a Space, My Postings, My Space, and settings. These buttons will allow the user to go to the screen to create a space, check their postings, check their checked space, or logout respectively.
- C. When in the drawer, you can click on or swipe back the rightmost area of the screen to close the drawer.

## 3. Swipe Functionality

- A. In the login/create an account page, there shouldn't be a swiping functionality
- B. In the MyListView page, you can swipe left to go to the Drawer
- C. You can swipe back on any of the screens to go back to the previous screen.