Interaction Protocol

Flow for testing refresh of ads list

Main flow:
1. Navigate to pickups tab
2. While on tab observe ads, create an ad on another device/user
3. Downward swipe on observer device until load indicator is fully visible
4. Wait for load indicator to finish.
5. New ad should be available in list.

Exception flow:
1. Navigate to pickups tab
2. Create ad with another device/user
3. As observer, downward swipe to refresh
4. Wait for load indicator to finish
5. No internet connection should give error/take ads from cache, new ad should not show up.

Flow for picking up an ad through list

Main flow:
1. Go to Pickups tab
2. View available ads, refresh by swiping downwards.
3. Touch an ad to open its detailed window.
4. See donator information, estimated value, pick up address, message and decide to claim an ad.
5. Touch claim ad button and receive confirmation message.
6. See the ad in the claimed ads list (claiming an ad should put it in the claimed ads list).

Exception flow (idea) (not implemented as of 05/24):
1. Navigate to Pickups tab
2. View available ads. Maybe update in real time if an ad is claimed/removed while viewing them?
3. Touch an ad to view details.
4. Receive exception (ad has already been claimed/removed)

Flow for unclaiming an ad

Main flow.
1. Go to Pickups tab
2. View ads from the claimed ads list and touch the unwanted ad.
3. Detailed windowed with unclaim button should pop up.
4. Touch "unclaim" button. (Confirmation window?)

5. Check if ad is available again in the available ads list.

Exception flow (idea) (not implemented as of 05/24):
1. Go to Pickups tab
2. View ads from the claimed ad list. Maybe removed ads should be crossed out?
3. Touch a removed ad and receive error message (ad has been removed by donator)

Flow for creating an ad

Main flow:
1. Navigate to Donator tab
2. Touch the floating action button (round "+" button)
3. Post ad window should pop up
4. Type in pick up address (mandatory)
5. Type in estimated value (mandatory)
6. Type in a message (optional)
7. Touch submit button to post the ad
8. Check if your ad exists in the posted ad list (the list refreshes after creating an ad).

Exception flow (to be improved):
1. Go to donator tab
2. Touch the "+" button (maybe give exception with limited amount of ads?)
3. Post ad window should pop up
4. Submit without typing in pick up address or estimated value
5. Receive error message (and indication?) about what field is missing. (gives "You fucked up" as of 05/24)

Flow for removing an ad

Main flow:
1. Switch to donator tab
2. Touch an ad to view its details
3. Touch delete button to delete
4. Check if ad is removed from list

Flow for searching, viewing and claiming for an ad through map
1. Navigate to Map tab.
2. View available ads by marking the "Available" filter green
3. Search for pointers on the map, each red pointer is an available ad, blue is claimed by user.
4. Touch a pointer on the map to view the ad details with claim button.
5. Touch the claim button to claim the ad.
6. Confirm by navigating to Pickups tab and viewing claimed ads list

Flow for logging in to the application (Google account)

Main flow:

1. If not signed in already, touch the google sign in button
2. Google sign in window should pop up
3. Choose an existing google account to log in with, or create a new one
4. Logging in will redirect to main activity (Map fragment), a user will be created in the Firebase database (check Firebase Authentication page).

Exception flow 1:

1. If signed in already, redirect to main activity (Map fragment).

Exception flow 2:

1. Write in wrong password/email.
2. Receive error message "Authentication Failed." if failed at firebase authentication and "Failed to login with google!" if failed with google authentication.

Flow for viewing own profile

1. On the right of header of main activity, round profile picture should show up.
2. Touch it to navigate to profile view
3. Profile view with profile picture name, email and phone should show up

Flow for viewing other profile

1. To see other profiles, navigate to Pickups tab or Donator tab.
2. Touch any ad on Pickups tab or a claimed ad on Donator tab.
3. Details window with user profile picture and name should pop up
4. Touch on profile picture
5. User profile with profile picture, name, email and phone including buttons to message phone/email should show up

Flow for changing user (Google account)

1. Navigate to profile view (top right button on toolbar)
2. Touch sign out button
3. User will be redirected to login view. Touch sign in and sign in with new account
4. User will be redirected to map view
5. Confirm user change by navigating to profile view

Flow for testing device communication (including push notification)

1. Post an ad on one device/user
2. Viewing the ad details should show unclaimed
3. Claim the same ad on another device/user
4. Confirm it is claimed (should show up in the claimed ads list)

5. Ad poster should receive push notification about the claim
6. Ad poster confirm by viewing ad details, should show "[User] has claimed your ad!" instead of "Unclaimed"