Manual Test Plan

Prerequisites

1. Intellij IDE
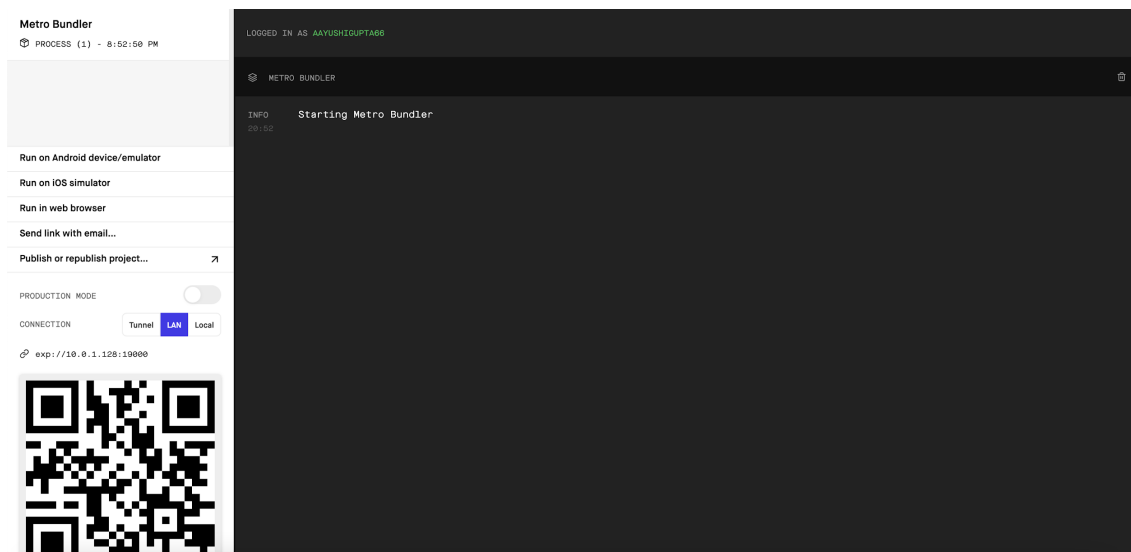2. React Native
3. Expo
4. npm version 6.14.4

Environment Setup and configurations

- Mac OS environment
- Conduct manual testing by manually validating each functionality by creating and executing test cases. (https://reqtest.com/testing-blog/gui-testing-tutorial/)

Operations and the results

MOBILE APPLICATION

- The mobile app uses React Native - an open-source, front end, JavaScript library
- In order to view the mobile app locally, you must run `expo start` within the mobile-app directory
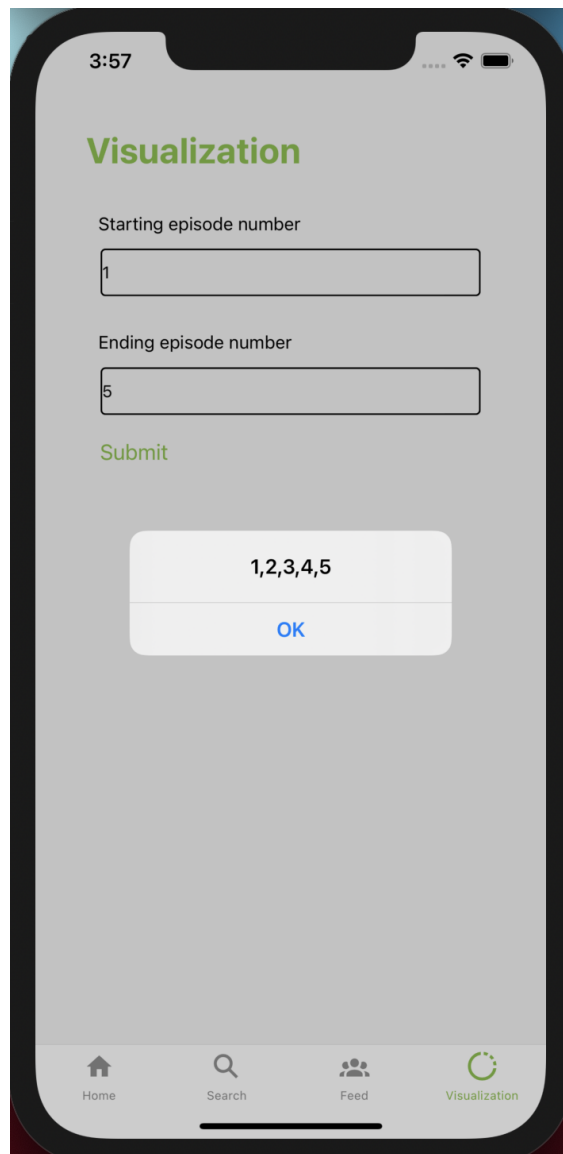- The following webpage will open

- You can either run the iOS simulator or use the QR code on your own mobile device to access the mobile app locally
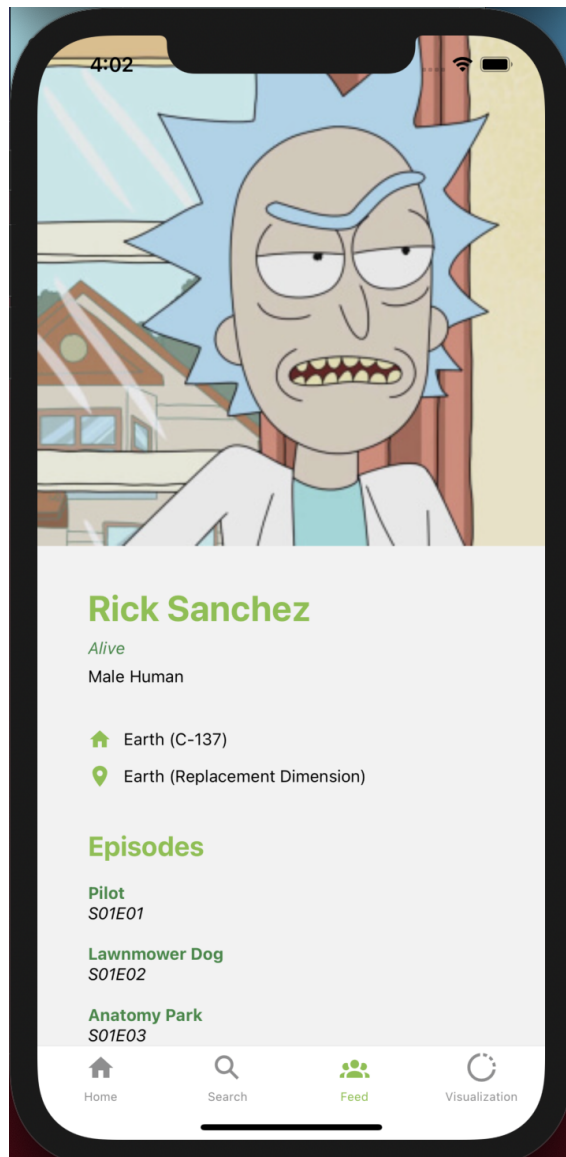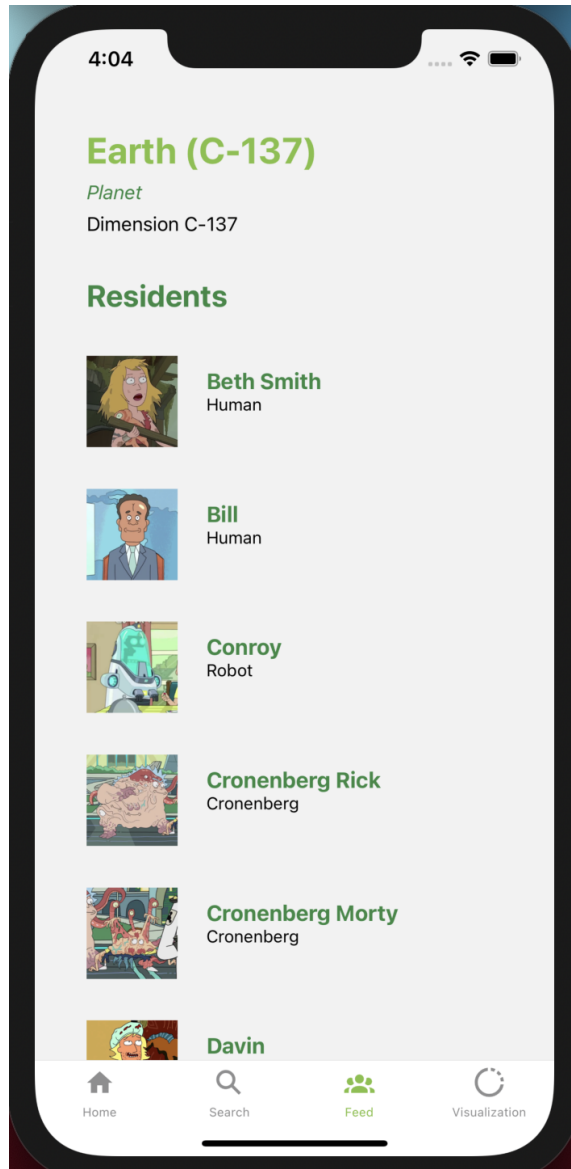
Test Items

MOBILE APPLICATION

1. Check if user can input a range of episodes to analyze
   a. Click on the visualization tab
   b. Enter "1" in the starting episode number field and "5" in the ending episode number field
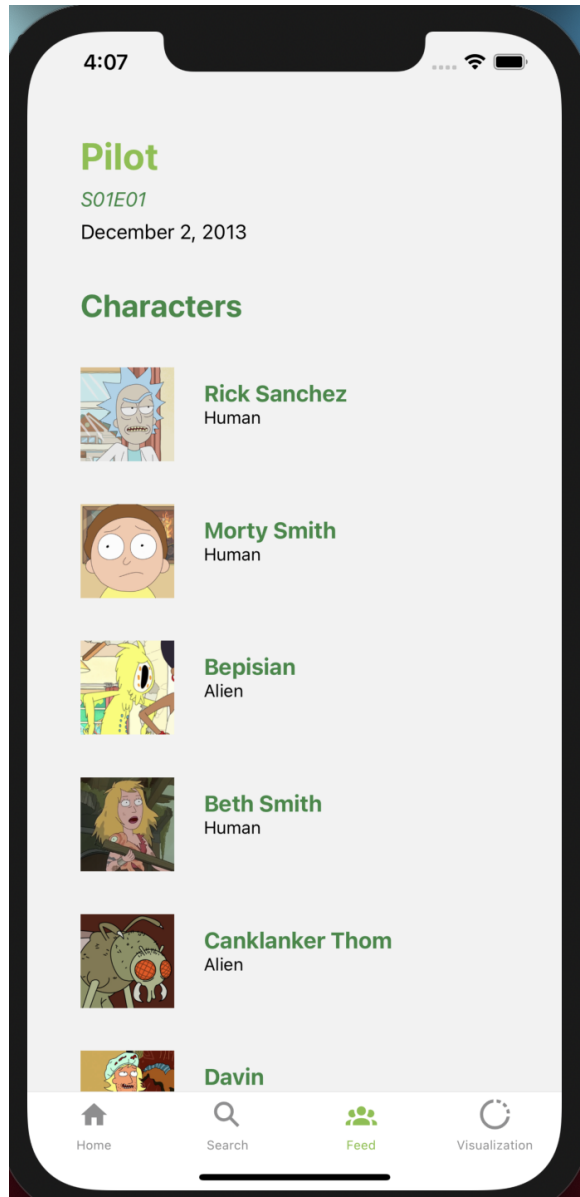   c. Make sure the submit button works and an alert with the given range is displayed (success)

2. Check if user can select which character to view more details on
    a. Click on the feed tab
    b. Click on the "Rick Sanchez" character
    c. Make sure upon click the app redirects to a profile screen with more details on the "Rick Sanchez" character (success)

3. Check if user can select which location to view more details on
   a. Click on "Earth (C-137)" next to the home icon
   b. Make sure upon click the app redirects to a location screen with more details on the "Earth (C-137)" location (success)

4. User can select which location to view more details on
    a. Click on "Pilot S01E01" under the list of episodes on the profile screen
    b. Make sure upon click the app redirects to a episode screen with more details on the "Pilot S01E01" episode (success)

5. Check if user can go back to feed by pressing the back button
    a. Scroll to the end of the screen and click on the "Return to feed" button
    b. Make sure upon click the app returns to the original feed screen (success)