

Manual Test Plan

Prerequisites

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

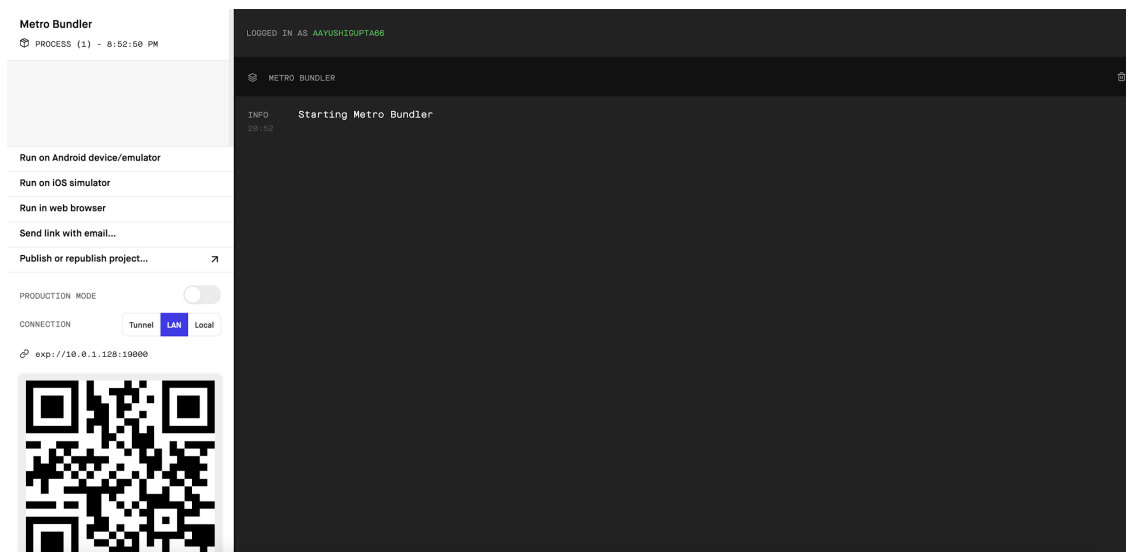
Environment Setup and configurations

- 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

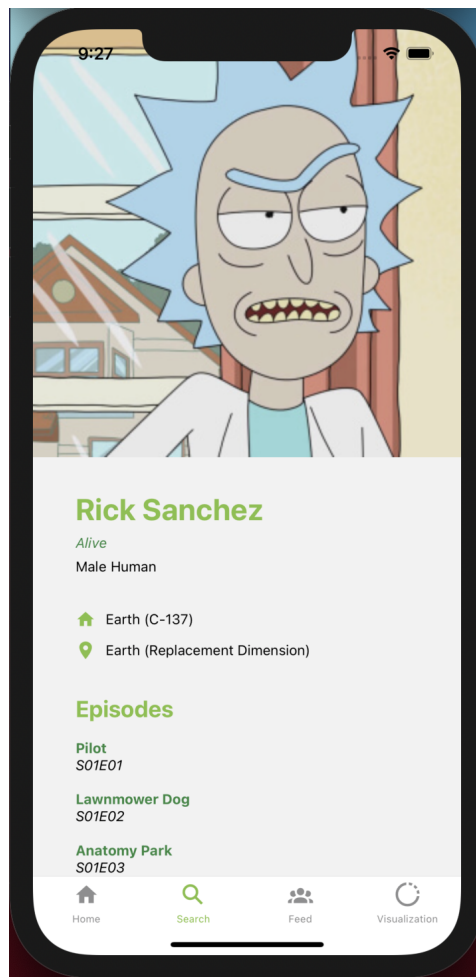


- You can either run the iOS simulator or use the QR code on your own mobile device to access the mobile app locally

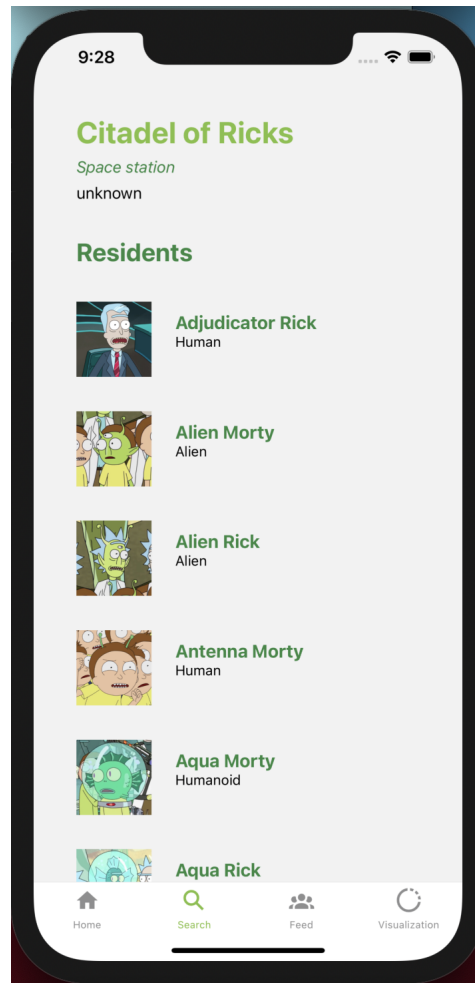
Test Items

MOBILE APPLICATION

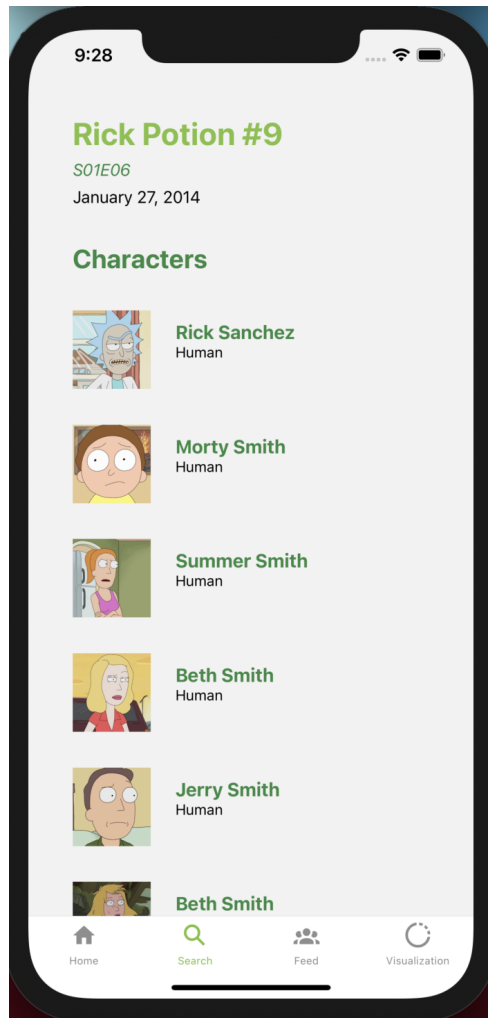
1. Check if user can select which character to view more details on, in search results
 - a. Click on the search tab
 - b. Select the character category, enter “rick” as the keyword, and click submit
 - c. Click on the “Rick Sanchez” character
 - d. Make sure upon click the app redirects to a profile screen with more details on the “Rick Sanchez” character (success)



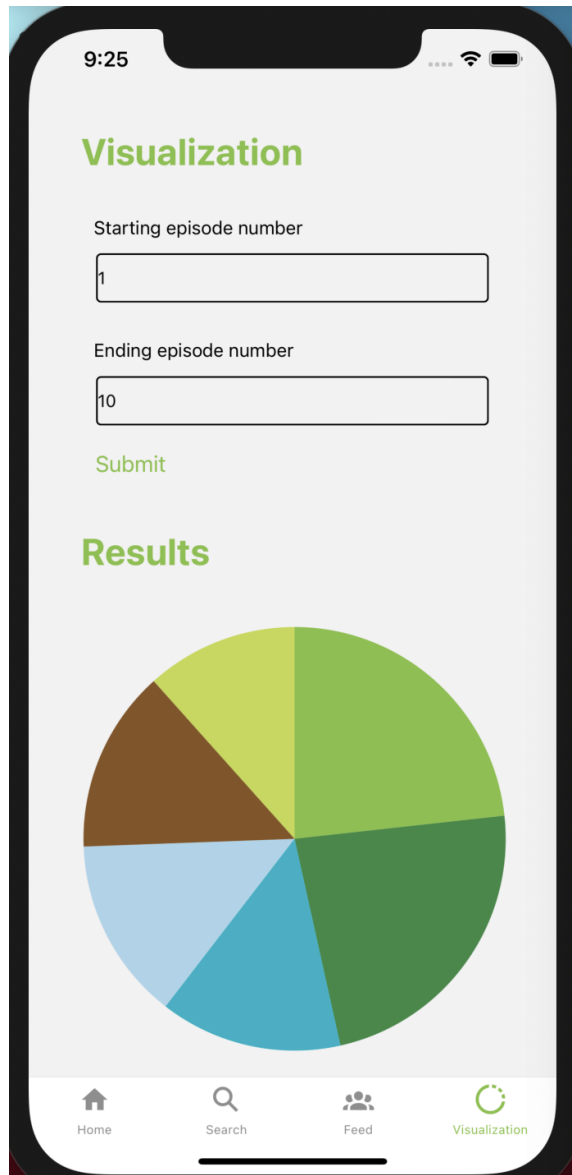
2. Check if user can select which location to view more details on, in search results
 - a. Click on the search tab
 - b. Select the location category, enter “rick” as the keyword, and click submit
 - c. Click on the “Citadel of Ricks” location
 - d. Make sure upon click the app redirects to a location screen with more details on the “Citadel of Ricks” location (success)



3. Check if user can select which episode to view more details on, in search results
 - a. Click on the search tab
 - b. Select the episode category, enter “rick” as the keyword, and click submit
 - c. Click on the “Rick Potion #9” episode
 - d. Make sure upon click the app redirects to a episode screen with more details on the “Rick Potion #9” episode (success)



4. Check if the user can render a visualization
 - a. Click on the visualization tab
 - b. Enter “1” as the starting episode number, enter “10” as the ending episode number, and click submit
 - c. Make sure upon click the app renders a visualization based on the given parameters (success)



5. Check if the visualization is interactive
 - a. Enter “50” as the ending episode and click submit
 - b. Make sure upon click the app updates the visualization based on the new parameters (success)

