System and Unit Test Report

LifeTracker RPG

Three n' a Half Asians

2 December 2019

System Test Scenarios

Sprint 1

Sprint 1 was mostly focused on the developers getting used to / researching the technologies that the app required and making internal documentation, because of this there are no relevant user scenarios.

Scenario:

No scenarios to be tested for Sprint 1

Sprint 2

1. User Story 1 - As a player, It is important that I know that the app has an accurate awareness of my location.

Scenario:

   a. Start Lifestyle RPG app
   b. Log on / Sign-up with a username and password
   c. Click Play
   d. If the map view snaps to your current location, then you know the app is aware of where you are!

2. User Story 2 - As a developer, I need a way to associate each user with their respective data.

Scenario:

   a. Start Lifestyle RPG app
   b. Log on / Sign-up with a username and password
   c. Click Play
   d. Click "Profile" on the bottom navigation menu
   e. If your user ID and respective statistics are on the page, you are properly associated with your data!

3. User Story 3 - As a player, a user interface is essential for navigating through an application.
4. User Story 4 - As a player, I would like to be given a visual indication of the trail I am currently walking.

Scenario (for User Stories 3 and 4):

a. Start Lifestyle RPG app and sign-up/login
b. Click Play
c. After the map snaps to your location you will see that you have icons to navigate the app's functionality. Additionally you will see where you are (as indicated by a blue dot). If there are trails from other users near you, they will be seen as blue lines.
d. Click a line to start that trail / quest
e. When you start a trail / quest all other trails / quests will disappear from your view and only the one you are running will be visible!

Sprint 3

1. **User Story 3** - As a user, I would like to keep my data kept separate from that of other users, for the sake of privacy and consistency.
   Scenario:
   1. Start LifeTracker RPG application (new account)
      a. Click "Register" button
         i. Enter valid email address = <blank@blank.com>
         ii. Create new password = <blankpassword>
         iii. Click button to register account
      b. Application will load main application page

   2. Start LifeTracker RPG application (existing account)
      a. Click "Login" button
         i. Enter existing email address = <existing@blank.com>
         ii. Enter account password = <existingpassword>
         iii. Click button to login account
      b. Application will load ma`in application page

   1. A user can not log into another user's account without knowing the password.
   2. Data pulled from firebase is specific only to the user, and displayed in the profile menu page.

2. **User Story 5** - As a player, I want to be able to draw quests on the map, and do quests.
Scenario:
   a. Start the Lifestyle RPG app, sign-up/login
   b. Once you are on the main map screen click: "Start Quest"
   c. Give the quest a name, press enter
   d. You are now creating a quest!
   e. When you want to end your quest click: "Stop"

f. You have now completed the quest, it will be uploaded to the games database and your experience points and trail counters will be updated!

Sprint 4

1. User Story 1 - As a user, I want to find other people's trails, or else I would have to manually scroll over the map to find people's trails.

    This User Story was not completed.

2. User Story 2 - As a user, I would like to be able to track my progress so that I can see how far I have come.
    Scenario:
    a. Start the Lifestyle RPG app, sign-up/login
    b. Click the "Profile" icon in the bottom navigation menu
    c. Look at your experience, Trails completed, and trails created. These metrics are a nice way to see how far you have come in the world of Lifestyle RPG.