

## System and Unit Test Report

Product: Runners Match

Team Name: Habt Inc.

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For our testing we mainly used the python library called selenium. Selenium is a library that allows for the automation of web browsing. This allowed for us to easily run tests both in volume and across a variety of edge cases without having to hand run the testing procedures.

### **Testing Scenarios:**

#### Sprint 1:

User story 1: As a user I want to be able to make an account for RunnersMatch so that I can have a presence on the website that I can return to and access regularly

User story 2: As a user I want to be able to update my profile with my running information such as weekly mileage, average running pace, trail versus road running preference, and ideal qualities in a training partner.

#### Scenario:

1. Start the web application by going to the Runners Match directory and typing  
"npm start"
2. Open up the Selenium testing script using jupyter notebook
3. Run the account creation and profile testing script in jupyter notebook

4. The newly created accounts from the script should be present in the firebase authentication database as well as the real time database

### Sprint 2:

User story 1: As a user I want to be able to view data that I input to my profile and view my profile as others would see.

User story 2: As a user I want to be able to sign out of the application and switch accounts so that I can keep my account secure and allow others to log in on the same machine.

### Scenario 1:

1. Start up the web application using npm start
2. Login using account credentials
3. Navigate to profile page
4. User should see their profile data that is stored in the database at the top of the page

### Scenario 2:

1. Start up the web application using npm start
2. Login using account credentials
3. Ensure that the sign in button has disappeared and the sign out button has appeared
4. Click the sign out button
5. Ensure that the sign out button is gone and that the user is no longer logged in

### Sprint 3:

User story 1: As a user I want to be able to see other users that I can run with near me

Scenario:

1. Start up the web application using npm start
2. Navigate to log in page then log in
3. Navigate to home page
4. User should see recommendations for training partners based off zip code

#### Sprint 4:

User story 1: As a user I want RunnersMatch to show me possible training partners with similar goals and profiles to me

1. Start up the web application using npm start
2. Navigate to log in page then log in
3. Navigate to home page
4. User should see recommendations for training partners based off data entered on the profile page