

System and Unit Test Report

Product Name: Hydro Hero

Team Name: Hydro Homie

Date: 12/09/19

- User story 1 from sprint 1: As a developer, I want to set up the app's database so that we are able to save user data in future sprints.
- User story 1 from sprint 2: As a user, I want the drink logging feature so that I am able to see how much water I drank throughout the day.
- User story 2 from sprint 3: As a user, I would like to have different options when logging my drinks so that I can accurately track my water intake.

Scenario:

1. Start the Hydro Hero App; type
 - Email = <ankho@ucsc.edu>
 - Password = <123456>
 - Press "Login" key
 2. Press 'Add Drink'
 3. User should see a pop up window open showing different drink logging options
 4. Select 'Custom:' and enter '20' into the text box
 5. Press 'Add Drink'
 6. User should see the water loading bar on the home page progress upward and the text above it increase by 20
 7. Press 'Add Drink'
 8. Select '8 oz', '12 oz', '16 oz', or 'Custom: ' and enter a custom amount
 9. Press 'Add Drink'
 10. User should see the water loading bar on the home page progress upward and the text above it increase by the selected amount
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- User story 2 from sprint 1: As a user, I want a tab/navigation bar so that we are able to navigate between different parts of the app
 - User story 3 from sprint 1: As a developer, I want to create a basic UI for the home page so that we have UI elements to work with during later stages.
 - User story 4 from sprint 1: As a developer, I want to create a basic UI for the history page so that we have UI elements to work with during later stages.
 - User story 4 from sprint 2: As a developer, I want to create a basic UI for the settings page so that we have UI elements to work with during later stages.

Scenario:

1. Start the Hydro Hero App; type
 - Email = <ankho@ucsc.edu>

- Password = <123456>
 - Press “Login” key
 - 2. You should be on the home page. You should be able to see:
 - A progress bar that keeps track of progress
 - An ‘Add Drink’ Button
 - Motivational text for users
 - A ‘Set Time’ button
 - A Progress text indicating current logging progress out of recommended daily water intake
 - 3. On the navigation bar, click on the Settings icon. You should now be on the settings page. You should be able to see:
 - ‘Profile’ button
 - ‘About Us’ Button
 - 4. On the navigation bar, click on the History icon. You should now be on the history page. You should be able to see:
 - Spinner with dates
 - Graph
 - ‘Total Hydration’ text that shows the total amount of water you drank on the week displayed in the spinner.
- User story 2 from sprint 2: As a user, I want a visual representation of my hydration history so that I can see if I have been staying properly hydrated.
 - User story 3 from sprint 4: As a user, I want to be able to filter dates for the graph so that I can view data about specific weeks.

Scenario:

1. Start the Hydro Hero App; type
 - Email = <ankho@ucsc.edu>
 - Password = <123456>
 - Press “Login” key
2. On the navigation bar, click on the History icon. You should now be on the history page.
3. Click on the spinner and it will open up a drop down list with dates that you can plot onto the graph.
4. Select a date from the drop down list.
5. The graph will now plot out data from that date.
6. The ‘Total Hydration’ text will also now be updated with info from the spinner.

- User story 3 from sprint 2: As a user, I want to have hydration reminders so that I can be reminded to stay hydrated.
- User story 1 from sprint 4: As a user, I want my hydration reminders to be timed so that I can be reminded periodically.

Scenario:

1. Start the Hydro Hero App; type
 - Email = <ankho@ucsc.edu>
 - Password = <123456>
 - Press "Login" key
2. Press 'Set Time'
3. User should see a pop window open showing a text entry to set a timed notification
4. Input <5> into the text box
5. Press 'Start Timer'
6. Wait 5 minutes
7. User should see a push notification sent to the phone saying "Drink up! It is time to drink!"
8. Wait 5 minutes
9. User should see a push notification sent to the phone saying "Drink up! It is time to drink!" again
10. Dismiss the notification
11. Press 'Set Time'
12. Input <1> into the text box
13. Press 'Start Timer'
14. Wait 1 minute
15. User should see a push notification sent to the phone saying "Drink up! It is time to drink!"
16. Wait 4 minutes
17. User should not see a reminder pop up because the 5 minute reminder was cancelled by the 1 minute reminder
18. Press 'Start Timer'
19. Press 'Stop Reminders'
20. Wait 1 minute
21. User should not see a reminder pop up as reminders are now cancelled

- User story 1 from sprint 3: As a user, I want user login so that I have a personalized account on the application.

Scenario:

1. Start the Hydro Hero App
 2. Press 'Don't have an account? Sign up now!'
 3. User should be navigated to the registration page prompting them to enter their full name, email, password, and confirm password; type
 - Name = <Anthony Ho>
 - Email = <ankho@ucsc.edu>
 - Password = <123456>
 - Confirm Password = <123456>
 4. User should see a toast message saying "User registered successfully. Please login" and be navigated back to the login screen.
 5. To login, type
 - Email = <ankho@ucsc.edu>
 - Password = <123456>
 6. Press 'Login'
 7. User should be navigated to the homepage of the application
- User story 3 from sprint 3: As a developer, I want to update the basic UI elements of the home pages to include proper icons and design elements
 - User story 4 from sprint 3: As a developer, I want to update the basic UI elements of the history page to include proper icons and design elements.
 - User story 5 from sprint 3: As a developer, I want to update the basic UI elements of the settings page to include proper icons and design elements.

Scenario:

1. Start the Hydro Hero App; type
 - Email = <ankho@ucsc.edu>
 - Password = <123456>
 - Press "Login" key
2. You will now be on the home page and you should be able to see the updated elements:
 - Rounded yellow button for 'Add drink' and 'Set Time' button
 - Animated circle progress bar
 - Updated colors for background, navigation bar, task bar

3. Navigate to the settings page by pressing the settings icon on the navigation bar to change tabs. You should now be able to see updated elements:
 - Rounded yellow buttons for both the 'about us' and 'profile button'
 4. On the navigation bar, click on the History icon. You should now be on the history page. You should be able to see the updated elements:
 - Updated color for the spinner and background
 - Rounded list for when you click on the spinner
 - Graphs with thicker lines and data points plotted
- User story 2 from sprint 4: As a user, I want to be able to input my height and weight so that I can receive water intake reminders specific to my personal lifestyle on a profile page.
 - User story 4 from sprint 4: As a developer, I want to update the basic UI elements of the settings page to include proper icons and design elements and include info about the development team.

Scenario:

1. Start the Hydro Hero App; type
 - Email = <ankho@ucsc.edu>
 - Password = <123456>
 - Press "Login" key
2. On the navigation bar, click on the Settings icon. You should now be on the settings page.
3. Click on the 'About Us' button.
4. A toast message will appear with informational text about our team
5. Click on the 'Profile' button to navigate to the profile page
 - Enter a name, age, and weight:
 - Full Name: Anthony Ho
 - Age: 21
 - Weight(lb): 160
 - Click the 'Save' Button to save information and you will now be sent back to the home page.
 - You should see the home page with updated values:
 - Updated recommendation amount based on your age and weight. The Progress bar ratio should reflect this as well.
 - Your entered name is shown on the top.