System and Unit Test Report

MicroMe by QTZ

5/31/2022

Sprint 1:

Functionality: Can click between different pages

User Stories:

- User Story 1 from Sprint 1: As a smartphone user, I want a clean hub to navigate to other features.
- User story 2 from Sprint 1: As a person who cares for my mental wellbeing, I want to be able to go to a page to write my thoughts, dreams, aspirations, etc.
- User story 3 from Sprint 1: As a person who doesn't drink enough water, I want a place designated to possibly track water intake.
- User story 4 from Sprint 1: As an inactive person, I want to see my steps, I want a place designated to possibly track physical activity.
- User story 5 from Sprint 1: As a user of the app. I'd want a place designated for all the settings I can possibly tweak. (basic)

Scenario:

1. Start MicroMe app;
   a. Navigate to a notes page that has a title and a description.
   b. Navigate to the steps page,
   c. Navigate to the water page,
   d. Navigate to the settings page at the top nav bar

Sprint 2:

Functionality: Adding amount of water consumed

User Stories:

- User Story 1 from Sprint 2: As a person who doesn't drink enough water, I want to keep track of my water intake in order to stay hydrated.

Scenario:

1. Start MicroMe app; Select Water page; Click '+' button; Type on keypad
   a. Amount = <2> oz

         b. Press Submit
2. User should be able to see chart updates with 2 more oz of water.

Functionality: Viewing steps taken

User Stories:

- User Story 2 from Sprint 2: As an inactive person, I want to see my steps, so that I can know how much I need to walk every day.

Scenario:

1. Start MicroMe app; Select the Steps page from the bottom navigation bar;
2. If the step count states "Error with steps", there are two possibilities.
   a. The physical permissions have not been granted and must be granted to the app by going to the app info and allowing the "Physical Activity" permission for MicroMe.
   b. An actual unexpected error has occurred with tracking the steps.
3. If there are steps displayed, take a few steps; If the number of steps increases, the pedometer is working properly.

Functionality: Adding a journal entry

User Stories:

- User Story 3 from Sprint 2: As someone who has a lot on my mind, I want to be able to take note of my thoughts.

Scenario:

2. Start MicroMe app; Click "Journal"; Click "+" button;
   a. Navigate to a notes page that has a title and a description.
   b. Click "Title"
   c. Type: <Shopping List>
   d. Click "Type something…"
   e. Type: < 1. Eggs 2. Bread >
   f. Click "Save"
3. User should return to the journal page
4. User should be able to see the journal entry on the journal page with the title "Shopping List" and a small description saying "1. Eggs 2. Bread".

Functionality: Delete a journal entry

User Stories:

- User Story 4 from Sprint 2: As someone who wishes to see my personal progress, I want to be able to view past entries from my journal.

Scenario:
1. Start MicroMe app; Click "Journal"; Select entry to be deleted.
    a. Entry will be displayed with previous title and description
    b. Click the "Trash" icon on the top navigation bar
2. User returns to the journal page.
3. The journal page no longer displays the deleted entry.

Functionality: Able to access a settings page (removed from final release)

User Stories:
- User Story 5 from Sprint 2: As someone who likes options, I want to be able to have control of how I interact with my phone so I can have personalization.

Scenario:
1. Start MicroMe app; Click "Settings" icon
2. User sees setting page with options for notifications and dark mode/ light mode

Sprint 3:
Functionality: Changing Step Goal

User Stories:
- User Story 3 from Sprint 3: As someone who wants to become active, I want to track my steps, so that I can know how much I need to walk every day.

Scenario:
1. Start MicroMe app; Select the Steps page from the bottom navigation bar; Tap on the text that says "change goal"; Type on keypad:
    a. Goal Amount = <2000 steps>
    b. Press submit
2. The text on screen should now be "Goal: 2000" and the amount of progress on the progress bar should change to reflect the new goal. In example, if the number of steps taken is 1000, the progress bar should now be half full.

Functionality: Viewing Motivational Quotes on the homepage

User Stories:

- User Story 4 from Sprint 3: As someone concerned with my personal growth, I want to be able to see my progress all in one place.

Scenario:
1. Start the MicroMe application; Select the home screen and scroll to see motivational quotes displayed at the top.
    a. When a user is connected to the internet and they restart their phone a new quote will appear.
    b. Else, a default quote will be displayed.

Functionality: Enter only correct inputs for Water Page
User Stories:
- User Story 1 from Sprint 3: As a person concerned about my water intake, I want to be able to track my daily intake, so I know how much I'm drinking.

Scenario:
1. Start the MicroMe application; Select the water page and tap to enter a new amount drank by clicking "+".
    a. User enters numbers; New input is shown in the UI
    b. User enters null or letters; No input is shown in the UI, nothing happens.
2. Start the MicroMe application; Select the water page and tap to enter a new goal by clicking "Change Goal".
    a. User enters numbers; New input is shown in the UI
    b. User enters null or letters; No input is shown in the UI, nothing happens.

Functionality: Viewing journal entries as a scattered grid
User Stories:
- User story 2 from Sprint 3 : As a person concerned about journaling, I want to be able to easily navigate the journal, so I can review my entries quickly.

Scenario:
1. Start the MicroMe application; Select the Journal page
    a. UI should be in scattered grid format
2. Start the MicroMe application; Select the Journal page ; Click add entry; Save the new entry
    a. UI should be in scattered grid format
3. Start the MicroMe application; Select the Journal page; Click on journal entry; Delete that journal entry;

a. UI should be in scattered grid format

Sprint 4:

Functionality: Viewing Acknowledgements on Homepage

User Stories:
- User Story 1 from Sprint 4: As someone who likes transparency in my apps, I want to know who created the app I am using.

Scenario:
1. Start the MicroMe application; Enter about page at top nav-bar;
    a. Click Purpose, enter purpose page, click "Back" to go back to acknowledgement page
    b. Click App Tutorial, enter app tutorial page, click "Back" to go back to acknowledgement page
    c. Click Contributors, enter contributors page, click "Back" to go back to acknowledgement page
    d. Click Acknowledgements, enter acknowledgements page, click "Back" to go back to acknowledgement page
    e. Click View Readme, enter readMe page, click "Back" to go back to acknowledgement page

Functionality: Water Units are U.S. standard

User Stories:
- User story 2 from Sprint 4: As someone who lives in the states, I want all my units for tracking to be in familiar units.

Scenario:
1. Start MicroMe app; Select Water page;
    a. All amounts should be in ounces
2. Start MicroMe app; Select Water page; Input
    a. New amount drank for water; the amount should still be in ounces
    b. New goal change; the amount should still be in ounces

Functionality: Realize change on the steps

User Stories:
- User Story 3 from Sprint 4: As someone who wants to become active, I want to track my steps, so that I can know how much I need to walk every day.

Scenario:
1. Start MicroMe app; Click "Steps"; Click Reset Button
    a. Steps count should be reset
2. Start MicroMe app; Click "Steps"; Walk
    a. Step progress bar should update

Functionality: Viewing lifetime statistics on the homepage

User Stories:
- User Story 4 from Sprint 4: As someone concerned with my personal growth, I want to be able to see my progress all in one place.
- Backlog from Sprint 4:

Scenario:
1. Start the MicroMe application; Select the home screen and scroll to see the main charts for water and journal entries:
    a. Values in charts should reflect values in the water page and total journal page entries.

Functionality: Realize changes on the steps

User Stories:
- User story 5 sprint 4 : As a person who likes a cohesive UI, I want the aesthetic of apps I use to be consistent.

Scenario:
1. Change system preferences for either light or dark mode; Start MicroMe app;
    a. Click "Journal"; system buttons and UI should be the same color.
    b. Click "Steps"; system buttons and UI should be the same color.
    c. Click "Water"; system buttons and UI should be the same color.
    d. Stay on "Homepage"; system buttons and UI should be the same color.