CS673 Software Engineering
Team 5 - Simple Health
Tests Report

Simple Health

Team Member	Role(s)	Signature	Date
Seema Palora	Team Leader	Seema Palora	09/08/2021
Yang Ye	Requirement Leader, Security Leader	Yang Ye	09/08/2021
Jake Stephens	Backup Team Leader, QA Leader	Jake Stephens	09/08/2021
Sherperd Liu	Configuration Leader	Sherperd Liu	09/08/2021
Sandeep Agrawal	Design and Implementation Leader	Sandeep Agrawal	09/08/2021

Revision history

Version	Author	Date	Change
1.0	Jake Stephens	9/12/2021	Initial pass
1.1	Jake Stephens	9/27/2021	Updated Status of QA tests

● Introduction

This document will list the results of the QA testing done for each feature of the Simple health app. Also a code coverage report for the unit tests will be reported here.

● Test Summary

○ Unit Tests - Testing the code line by line
○ QA Tests - These tests are to be done by the QA lead manually to ensure the quality of the application. Once a feature is completed by a developer, the QA lead will check all aspects of the feature to ensure a high quality product with no known bugs is deployed. If bugs are found, they will be tracked in pivotal tracker and linked in this document.

● Tests Reports

Test Case: 101 - Signup

- **Purpose**: This test will verify that the signup screen is working properly if a user enters all fields as we expect.
- **Priority**: High
- **Preconditions**: None
- **Test steps**:
    1. Open SimpleHealth app
    2. Tap on the Signup Tab
    3. Enter name as "jon smith"
    4. Enter username "user123"
    5. Enter email "test@mail.com"
    6. Enter DOB as "04/26/1996"
    7. Enter password as "Password123"
    8. Enter confirm password as "Password123"
    9. Tap the sign up button
- **Expected output**: A banner to appear at the bottom of the screen saying "Successfully signed up" and to be automatically taken to the sign in screen.

- **Actual output**: A banner appeared at the bottom of the screen saying "Successfully signed up" and then the app automatically switched to the sign in screen.
- **Status**: <mark>Pass</mark>
- **Bug link**: None
- **Additional notes**: It may be better if once taken to the sign in screen once signup is successful the username field will be pre populated with the username that was just registered. Just an additional feature that would be nice to have and make the user experience better.

Test Case: 102 - Signup Empty Fields
- **Purpose**: This test will verify that the signup screen is working properly if a user enters incorrect fields.
- **Priority**: Medium
- **Preconditions**: None
- **Test steps**:
    1. Open SimpleHealth app
    2. Tap on Signup tab to open signup screen
    3. Leave all fields empty and tap the sign up button
- **Expected output**: A banner to appear at the bottom of the screen saying "please enter all required fields".
- **Actual output**: A banner appeared at the bottom of the screen saying "please enter all required fields".
- **Status**: <mark>Pass</mark>
- **Bug link**: None
- **Additional notes**: It may be better if a * or some sort of indicator was put next to the fields that are required, so the user knows what fields they need to fill out.

Test Case: 103 - Signup User Already Registered

- **Purpose**: This test will verify that the signup screen is working properly if a user tries to signup with a username that already exists. This is to prevent someone from overwriting an already existing user in the system that could cause issues.
- **Priority**: High
- **Preconditions**: There exists a user123 already registered prior to the test steps beginning.
- **Test steps**:
    1. Open SimpleHealth app
    2. Tap on the Signup Tab
    3. Enter name as "jon smith"
    4. Enter username "user123"
    5. Enter email "test@mail.com"
    6. Enter DOB as "04/26/1996"
    7. Enter password as "Password123"
    8. Enter confirm password as "Password123"
    9. Tap the signup button
- **Expected output**: A banner to appear at the bottom of the screen saying "User 'user123' already exists.
- **Actual output**: A banner appeared at the bottom of the screen saying "Successfully signed up" and then the app automatically switched to the sign in screen.
- **Status**: FAIL - FIXED
- **Bug link**: https://www.pivotaltracker.com/story/show/179681134
- **Additional notes**: This is a bug that needs to be taken care of. This bug makes it possible for a user to overwrite an existing user in the system if they choose the same username.
- **Output After Fix**: A banner appeared at the bottom of the screen saying "user123 already exists"

Test Case: 104 - Sign in

- **Purpose**: This test will verify that the user is able to sign in to the app and the app recognizes that the user exists in the system.
- **Priority**: High
- **Preconditions**: There already exists a 'user123' with password 'Password123' registered in the system.
- **Test steps**:
    1. Open SimpleHealth app.
    2. On the sign in screen, enter user123 and Password123
    3. Tap the Sign in button
- **Expected output**: A banner to appear at the bottom of the screen saying "Sign in successful".
- **Actual output**: A banner appeared at the bottom of the screen saying "Sign in successful".
- **Status**: Pass

- **Bug link**: None
- **Additional notes**: Later on this will automatically take the user to the home screen of the app.

Test Case: 105 - Forgot Password Change

- **Purpose**: This test will verify that the user is able to change their password if they have forgotten it.
- **Priority**: High
- **Preconditions**: There already exists a 'user123' with password 'Password123' registered in the system.
- **Test steps**:
    1. Open SimpleHealth app.
    2. On the sign in screen, tap the forgot password button
    3. Enter 'user123' as the username and 'Wordpass321' as the password and confirm password.
- **Expected output**: A banner to appear at the bottom of the screen saying "Password updated successfully".
- **Actual output**: A banner appeared at the bottom of the screen saying "Password updated successfully".
- **Status**: Pass
- **Bug link**: None
- **Additional notes**: Later on this will automatically take the user to the home screen of the app.

Test Case: 106 - Forgot Password Screen Buttons

- **Purpose**: This test will verify that all the buttons on the forgot password screen are working as expected.
- **Priority**: Low
- **Preconditions**: There already exists a 'user123' with password 'Password123' registered in the system.
- **Test steps**:
    4. Open SimpleHealth app.
    5. On the sign in screen, tap the forgot password button
    6. Enter 'user123' as the username and 'Wordpass321' as the password and confirm password.
    7. Tap the change password button.
    8. Tap the back arrow in the top left corner.
- **Expected output**: A banner to appear at the bottom of the screen saying "Password updated successfully" then once the back arrow is tapped the app should transition back to the sign in screen.
- **Actual output**: A banner appeared at the bottom of the screen saying "Password updated successfully" and the back arrow did not do anything when tapped.
- **Status**: Fail - Fixed
- **Bug link**: https://www.pivotaltracker.com/story/show/179681127

- **Additional notes**: When the app's back arrow did not work I tried the android back button and it brought me to the signup screen then quickly switched to the sign in screen and a banner popped up at the bottom saying "Please correct username or password" then another banner popped up saying "Successfully signed up".
- **Output After Fix**: Tapping on the back arrow in the top left corner of the screen did bring the screen back to the login screen.

In this section, you will give a detailed description of each test case performed and the result. You shall list what are existing tests developed in the previous semester and what are new tests developed currently.

Here is a sample template that can be used for each test case. For system tests or acceptance tests, you may also include some screenshots.

- Test case ID, name
- New or old:
- Test items: (what do you test)
- Test priority (high/medium/low)
- Dependencies (to other test case/requirement if any):
- Preconditions: (if any)
- input data:
- Test steps:
- Postconditions:
- Expected output:
- Actual output:
- Pass or Fail:
- Bug id/link: (this should link to your github issue id)
- Additional notes:

(You can use an additional spreadsheet for this section as well)

● Testing Metrics

NO OPEN DEFECTS CURRENTLY

Total QA Tests: 6

QA Tests Passed: 4
QA Tests Failed: 2

Open defects in Pivotal Tracker: 0 (as of 9/27)
Defects Fixed: 2 (as of 9/27)

Code Coverage Report: N/A

- References

- Glossary