System and Unit Test Report

Product name: SafetyPal
Team name: Safety_Pals
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Module 1: Sprint 1 System Tests
System tests for completed Sprint 1 user stories.

User Story 1 - As a user, I would like to have log-in capabilities so that I can create a user profile.

Scenario (Login):

1. Start SafetyPal app
    - This test can be done using an emulator or installed APK on an Android device.
    - Login and account creation works, but no authentication challenge has been implemented.
    - Use default test account for consistency.
2. Wait for login screen to load; type
    - UserName = <ucscspt01>
    - Email Address = <ucscspt01@gmail.com>
    - Password = <safety2018>
3. Press Login button; SafetyPal homepage should load

User Story 2 - As a user, I would like to be able to use this app effectively through an interactive user interface (UI).

Scenario (UI objects):

1. Pre-condition: User Story 1 - Scenario (Login) must be comp
    - Navigate to application homepage
    - Refer to User Story 1 - Scenario (Login) for guidance
    - This test can be done using an emulator or installed APK on an Android device.
2. Press Location button
    - This button is not attached to an event, nothing should happen on press.
3. Press Contacts button
    - This button is not attached to an event, nothing should happen on press.
4. Press Send Help button

- This button is not attached to an event, nothing should happen on press.

5. Press Back arrow button on application action bar
    - Application should return to login screen
6. Press back arrow button on device keys
    - Application should exit to the device's home screen.

Module 2: Sprint 2 System Tests
System tests for completed Sprint 2 user stories.

User Story 1 - As a user, I would like to save contacts and have log-in capabilities so that I can instantly send messages to people I want to contact.

Scenario (Contacts):

1. Start SafetyPal app
    - This test can be done using an emulator or installed APK on an Android device.
2. Wait for login screen to load; type
    - UserName = <ucscspt01>
    - Email Address = <ucscspt01@gmail.com>
    - Password = <safety2018>
3. Press Login button; SafetyPal homepage should load
4. Press contacts button; Manage Contacts page should load
5. Enter contact information
    - Enter Name = <ucscspt02>
    - Enter Email = <ucscspt02@gmail.com>
    - Enter Phone = <1234567890>
6. Press Add button to add contacts
7. Contact should be added and visible in Firebase database.

User Story 2 - As a user, I would like to be able to use this app effectively through an interactive UI.

Scenario (UI objects and usability):

1. Pre-condition: User Story 1 - Scenario (Login) must be comp
    - Navigate to application homepage
    - Refer to User Story 1 - Scenario (Login) for guidance
    - This test can be done using an emulator or installed APK on an Android device.
2. Press Location button
    - This button is not attached to an event, nothing should happen on press.
3. Press Contacts button
    - From the application homepage; press the Contacts button
    - The Manage contacts view should load
4. Press the Add contacts button
    - Nothing should happen
5. Press the Back button on the application action bar
    - The application should return to the homepage
6. Press Send Help button
    - This button is not attached to an event, nothing should happen on press.
7. Press Back arrow button on application action bar
    - Application should return to login screen
8. Press back arrow button on device keys
    - Application should exit to the device's home screen.

Module 3: Sprint 3 System Tests
System tests for completed Sprint 3 user stories.

User Story 1 - As a user, I need to send my current location.

Scenario (Location reporting):

1. Start SafetyPal app
    - This test can be done using an emulator or installed APK on an Android device.
2. Wait for login screen to load; type
    - UserName = <ucscspt01>
    - Email Address = <ucscspt01@gmail.com>
    - Password = <safety2018>
3. Press Login button; SafetyPal homepage should load
4. Press Location button
    - Wait for map to load; map should center on device location
5. Drag the map around to move the camera away from the device's location
6. Press the My Location compass icon in the top right corner
    - Map should move camera to device location
    - Device location should be marked with a blue dot
7. Press the back button on the application action bar
    - Application should return to homepage
8. Take note of "Lat" and "Long" values in top left corner
    - UCSC coordinates: 36.9965, -122.0528
    - Device coordinates should be near the above coordinates if testing is done near UCSC campus
9. Press the large yellow envelope distress button
    - A text message should auto populate using the application's default SMS application.
    - Message format:
        - "SafetyPal Alert: https://www.google.com/maps/search/?api=1&query=$lat,$long"
        - $lat = device latitude
        - $long = device longitude

User Story 2 - As a developer, I need to add our flair and aesthetic to the project.

Scenario (Location reporting):

1. Start SafetyPal app
    - This test can be done using an emulator or installed APK on an Android device.
2. Ensure hand in hand logo is visible
3. Check for any overlap between text boxes and buttons
    - There should not be any overlap
4. Ensure gradient background is loading
5. Wait for login screen to load; type
    - UserName = <ucscspt01>
    - Email Address = <ucscspt01@gmail.com>
    - Password = <safety2018>
6. Press Login button; SafetyPal homepage should load
7. Check latitude and longitude display in top left corner of homepage
    - 0.5, 5.0 - Device has not reported location yet
    - Wait to ensure a location is reported
8. Check and ensure blue gradient background has loaded
9. Ensure logout button in top right corner has loaded
    - The button should have a doorway exit icon
10. Ensure the Manage Contacts button has loaded
    - The button should have a portrait icon
11. Ensure the Location button has loaded
    - The button should have a map marker icon
12. Ensure the distress button has loaded
    - The button should be a large yellow envelope with a red circle and exclamation point.
13. Ensure the custom message box has loaded
14. Press the back button on the device twice and make sure the application closes.