

System and Unit Test Report

Team SPARC, UCSC Bus Buddy

System Test Scenarios:

- A. User Story 3 from Sprint 1: As a developer I want to build a basic interface so that I can develop basic functionality.
- B. User Story 2 from Sprint 2: As a student user, I must be able to read a user manual of the application, so that I can know how to use the application.
- C. User Story 3 from Sprint 2: As a student user, I want the bus schedule for buses 10-20 displayed on the application, so that I can see it.
- D. User Story 1 from Sprint 3: As a student user, I want to be able to know closest stop to me, so that I can go to that stop.
- E. User story 2 from Sprint 3: As a student user, I want to know when the next bus is coming at my current location, so I can determine whether I want to wait for the bus now.

Scenarios:

A.

1. Open up the UCSC Bus Buddy mobile application.
2. Click on “Select a Stop” and confirm app does not crash.
3. Confirm that after pressing “Select a Stop”, app takes you to another working page.
4. Hit the back button.
5. Click on “Closest Stop” and confirm app does not crash.
6. Confirm that after pressing “Closest Stop”, app takes you to another working page.
7. Hit the back button.
8. Click on “Bus Schedule” and confirm app does not crash.
9. Confirm that after pressing “Bus Schedule”, app takes you to another working page.

B.

1. Open up the UCSC Bus Buddy mobile application
2. Confirm that the mobile application does not crash.
3. Click on “User Manual” button
4. Confirm that user manual opens up and does not crash.
5. If the mobile phone does not have a .pdf viewer, user should receive the following error: “No PDF viewer on device”.

C.

1. Open up the UCSC Bus Buddy mobile application
2. Click on “Bus Schedule” and the application should not crash
3. Page should display buttons for each different bus.
4. Upon clicking on any bus number, the schedule for that bus number should open up in a .pdf format.
5. If the mobile phone does not have a .pdf viewer, user should receive the following error: “No PDF viewer on device”.

D.

1. Open up the UCSC Bus Buddy mobile application
2. Click on "Closest Stop" and the application should not crash
3. The app will grab your location, notifying the user with a popup.
4. User should be navigated to a page which contains bus time for every different bus which stops at that stop on that current day.

E.

1. Open up the UCSC Bus Buddy mobile application.
2. Click on "Select a Stop" and confirm app does not crash.
3. Confirm that there are markers displayed on the screen for each stop.
4. Click on a marker and confirm that another page opens.
5. Confirm that new page has the name of the stop is listed in the top left corner.
6. Confirm that bus times for each bus (for that current day) are displayed on the screen.