

Working Prototype Known Problems Report

Product name: UCSC Bus Buddy

Team name: SPARC

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List of functions not working correctly:

- If the user is on Wi-Fi, the app takes the GPS coordinates from the phone's GPS rather than the Wi-Fi provider.

The phone will grab the coordinate from the GPS of the phone rather than the Wi-Fi. This happens because the prioritizing is incorrect and was originally set this way by us. This is within the file, MainActivity.java, in the getClosestStop() module. This can be fixed with the location obtained with the Wi-Fi provider having higher precedence over the location obtained with the GPS on the user's device.

- The A/B button concept we originally had could not be implemented.

We wanted to implement an A/B button for the "Closest Stop" option if the user wanted the stop that was the sister stop over the one they are currently at. The user had to simply press a button to switch to the sister stop. However because of a lack of time, we could not implement this on the app.

- Certain stops markers are not in the correct location (nearby but not exact).

The problem with this is that certain stop markers do not have the correct GPS location associated with them. The GPS coordinates were obtained from Google Maps, and Google does not provide nor show the coordinates for a bus stop's sister stop. One would have to go through every bus stop and look for the coordinates for the sister stop in Street View. This was not done due to time constraints.