Android Mobile App Development

04801-D2

Iteration 2: Explore phase

Bus Routing Mobile App

It is an application that helps CMU students to track bus location.

Group Members:

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Iteration 2 explore phase

Submit all work done for this iteration.

❖ Turn in your iteration 1 deliverables in your github repo

=> https://github.com/pndungutse/PatrickNdungutse_MAD

❖ Did you accomplish your goals for this iteration?

According to what we set as the minimum viable product (MVP) to allow driver or student share location and student track the bus location, this indicates that we have managed to accomplish our goal. To achieve this, firebase was used as a backend service for data storage as planned. Share button to be used by the driver or student to update routes and a follow button to be used by students to track bus routes were created and they are functioning well as planned before this iteration.

❖ How did you spend your time during the Explore phase?

ITERATION 2 TIME USABILITY

Tasks	Time	Duration
Building User Interface	**Day 1 :** ● Navigation bar UI ● Add bottom navigation UI **Day 2:** ● Add route UI ● View route UI ● Finish UI	**2 hours** **3 hours**
Implement Application Functionalities	**Day 1:** ● Connection app and firebase ● Create routes collection Day 2: ● Display the route from firebase Day 3: ● Update route ● Track route ● Finish the route functionality	**2 hours** **1.5 hours** **3 hours**

Testing & deployment	Day 1: • Test with the sample students and driver. • Get feedback from the students.	2 hours
	Day 2: • Test with the drivers • Get feedback from the drivers	2 hours
	Day 3: • Fix issue observed during testing • Built apk for being installed in phone	1 hours