10. As a user, I want the app to show me an estimated amount of time to travel from my current location to the next destination in my schedule, so that I can react with more urgency if I am in danger of being late.

10.1 Functional User Requirement

After “Start” bottom be selected by user, the screen should show a time. This time is calculated based on the average speed and the route between current location and next destination.

10.2 Non-Functional User Requirement

System should respond in 10 second

10.3 Functional system requirement

10.3.1 System reads current location

10.3.2 System has average speed data

10.3.3 System has the “next destination” information

10.3.4 System calculate time needed time=route length/average speed

10.3.5 System show the result

11. As a user, I want the app to tell me how much time is available until my next class begins, so that I can more easily fit unscheduled activities into my day without calculating myself the amount of time available until class begins.

11.1 Functional User Requirement

Screen should show the time remaining for the next class.

11.2 Non-Functional User Requirement

System should respond in one second

11.3 Functional system requirement

11.3.1 System reads the time of next class

11.3.2 System calculate result: “next class time”-“current time”

11.3.2 System shows the result

12. As a user, I want the app to notify me with special messages when I am in danger of being late to class, based on the time the class begins and the travel time necessary to reach the building, so that I can afford to be distracted and do not have to constantly check the app.

12.1 Functional User Requirement

Screen should show a warning with message ”Going Late!”.

12.2 Non-Functional User Requirement

System automatically shows the warning.

12.3 Functional system requirement

12.3.1 System read result from 11.3.2

12.3.2 System has pre-set time

12.3.2 System pop warning if “pre-set time”< time “11.3.2”

19. As a user, I want the reminder feature to honor silent mode and notification settings on the mobile device, so that I am not inconvenienced by additional settings.