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[Company Name]

# **User Stories**

User Stories 1

As for the user, I want to develop the simulator customization so that I can add light, road, and vehicles f or that. Priority is high and estimate day is 3 days. For the testing, make a new Map, add some road, and run the simulation.

User Stories 2

As for the user, I want to save my city I have just created. Priority is Medium and Estimate time is 2 days. For the testing, after changing the city, press the save button to save the city with name.

User Stories 3

As for the user, I want to reload previous city to load simulation so that I can play simulation again with different case like adding vehicles and rates. Priority is Low and estimate time is 1 days. Testing is press open button to get into the saved city from database.

User Stories 4

As for the user, to know how many vehicles on the road, I want to have update vehicle rate. Priority is Medium and Estimate time is 2 days. For the testing is click the update rate button to edit vehicles faster or slower.

User Story 5

As for the user, I want to have stop button to stop all vehicles on the roads. Priority is High and Estimate time is 2 days. For the testing is click the stop button and watch all vehicle stopping.

## **Developer User Stories**

Developer User Story 1

As developer can add to change the light and traffic for the user. There are bus and motorbike for this car simulator. Priority is High and Estimate time is 3 days. For the testing, abstract the vehicles class and call some methods to move the cars.

Developer User Story 2

Developers can also stop the cars traffic to avoid collision within front of car, there will be no error at all. Priority is Low and Estimate time is 2 days. As for the testing: get the gab distance from the front of vehicles and call some methods from vehicles.

Developer User story 3

Developer make the program to save all of the data that can’t occur data missing to customers. Priority is High and Estimate time is 3 days. For the testing, save all data as a file at main method and load the data to view the map again.

Developer User story 4

As for the developer, I want to load some of all data that user created so that all data can load and run again after program started. Priority is Medium and Estimate time is 1 day. For the testing, at main method, read the data file from the specific path and load the data.

# **UML Diagram**

Diagram

Description automatically generated

# **GitHub**

https://github.com/aqua270120/CP2406Assignment2/tree/master/src

