

CSCI927 Service-Oriented Software Engineering (Project Proposal)

Project Title

An application for online car-hailing services

Group Members (Group number): Name1, Name2, Name3, Name4

Group Members (Group 17): Wenrui Chen, Lu Xiong, Bing Xia, Yunbo Zhang

This project is an application for online car-hailing services. We have four group members. Wenrui Chen is responsible for the process of qualification view, Lu Xiong is responsible for the process of customer hailing and the writing of the report, Bing Xia designs the process of the allotment of the order to cars, Yunbo Zhang designs the process of drivers. Our process would be designed by BPMN and CMMN.

In the process of qualification review, first of all, the driver needs to apply to the regulatory authority and submit personal data, and the regulatory authority receiving the request will review the qualification of online car Hailing driver. After passing the examination, the driver can take part in the examination. After passing the examination, the driver can be given a license to drive a car online and obtain a three-year valid qualification.

In the process of customer hailing, the customer should download the application firstly, and create an account. Then, when the client wants a sharing car, the client opens the application, and ask for a car. Maybe queueing is needed. Then the customer gets on the car, and arrives the destination. After the payment, the client leaves. If there are any problems, the client can contact the customer service, and solve the possible problems.

In the process of the allotment of the order, the system of this company will allot the order to car. Firstly, system will judge the types of the order, which may be private cars and taxies. Secondly, the system will allot the order according to the types of the order. If it is a private car order, the order will sent to the nearest nine drivers, or if it is a taxi order, the order will sent to the drivers in 1.5 kilometers. After the order is finished, the system will get money from the client and pay money to the driver. If the client has any problems for this order, the client can call to the company.

This project describes an application for online car-hailing services which needs four part. The part which a driver's process is as follow. When a driver wants to start a business, it is important to register and review qualification. Until the driver passes the audit before receiving the order, the driver starts online and then waits for message about an order. When the driver receives the order, the driver could choose to confirm or cancel. Driver needs to connect with the passenger and waits for the passenger if confirmed. When the passenger gets on the car, driver starts to record the mileage. If there is a traffic accident, the system needs to throw an exception. Under normal circumstances, the car reaches its destination without any trouble, then the order information is submitted to the company for settlement. Business can be suspended or closed if there are no orders in progress.