Guuber

Test Document

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1 Purpose of this document 3

2 Sign up 3

3 Sign in 5

4 Update profile 7

5 Find driver 8

6 Find passenger 10

7 Send message 12

8 Start service 13

9 End service 15

10 View transaction history 16

1 PURPOSE OF THIS DOCUMENT

This document serves to show the results of testing on implementation of nine major use cases defined in the Design Document. For each use case, the normal workflow will be tested with screenshots as test results. Also, corner cases such as exception handling will also get tested thoroughly to make sure that the system is reliable and robust.

2 SIGN UP

Figure 2.1 shows the main page for signup. There is a set of information to be entered. We do validation on each field, and if the entered information is invalid, an exception will be thrown, and then user needs to correct the input. Examples are given in Figure 2.2 (password is too simple) and Figure 2.3 (username already been used). After successfully signing up, user will enter the home page corresponding to his/her role (driver/ passenger), shown in Figure 2.4.

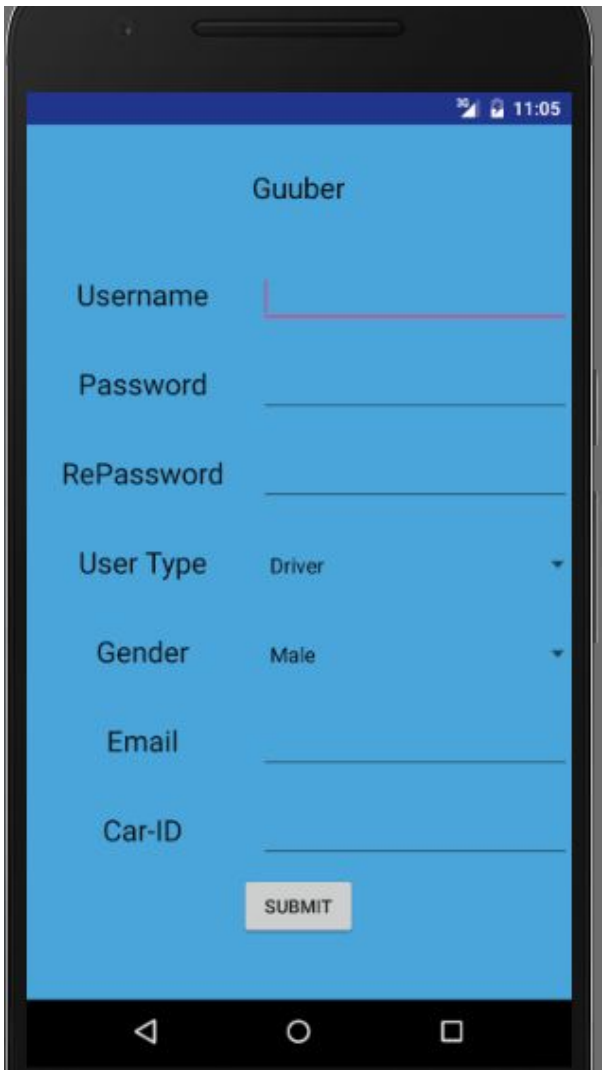

Figure 2.1

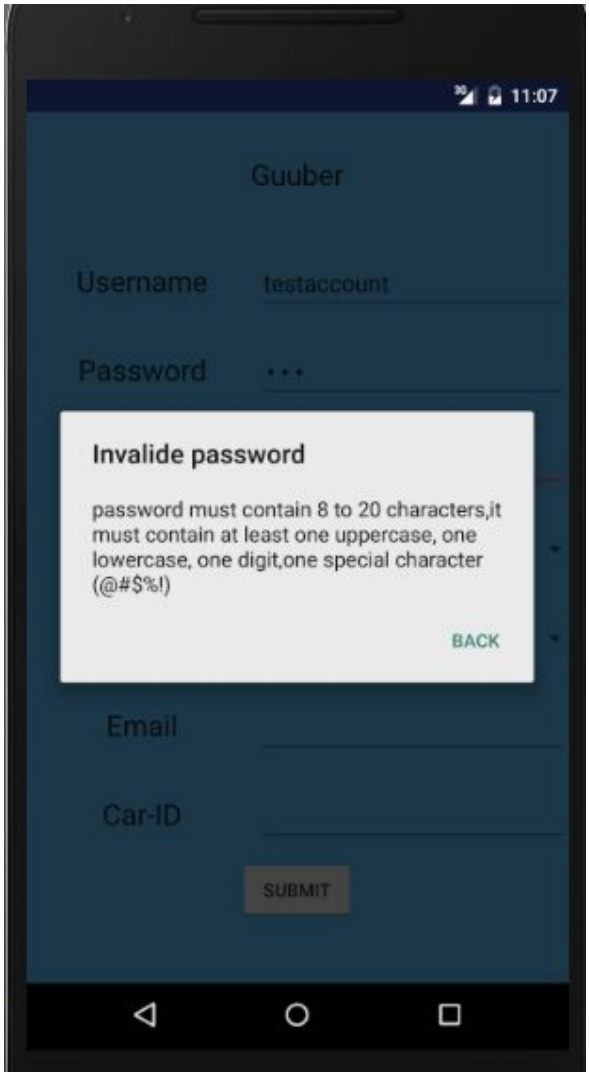

Figure 2.2

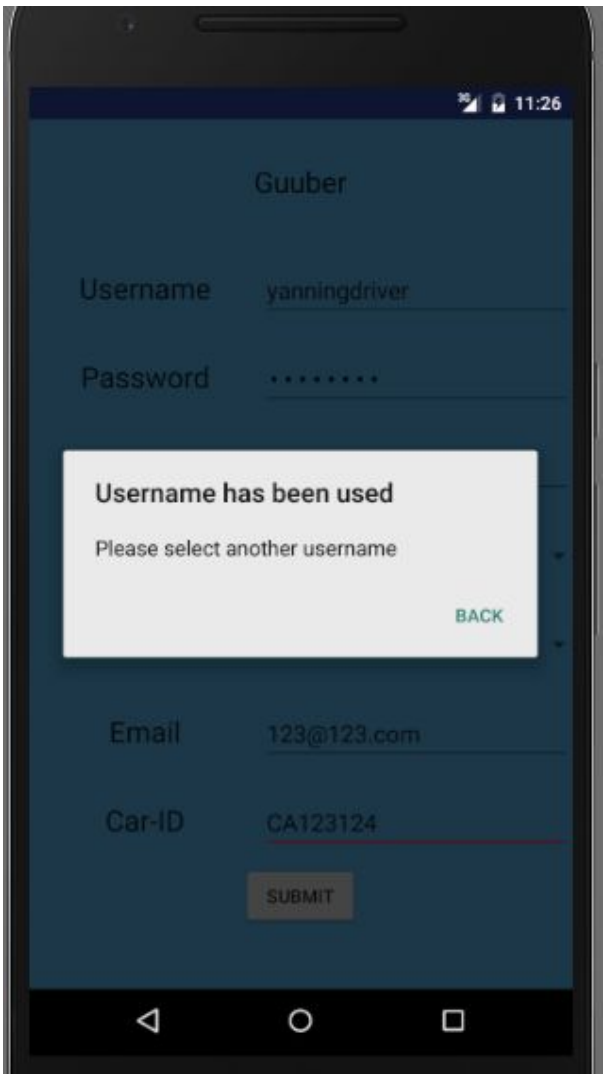

Figure 2.3

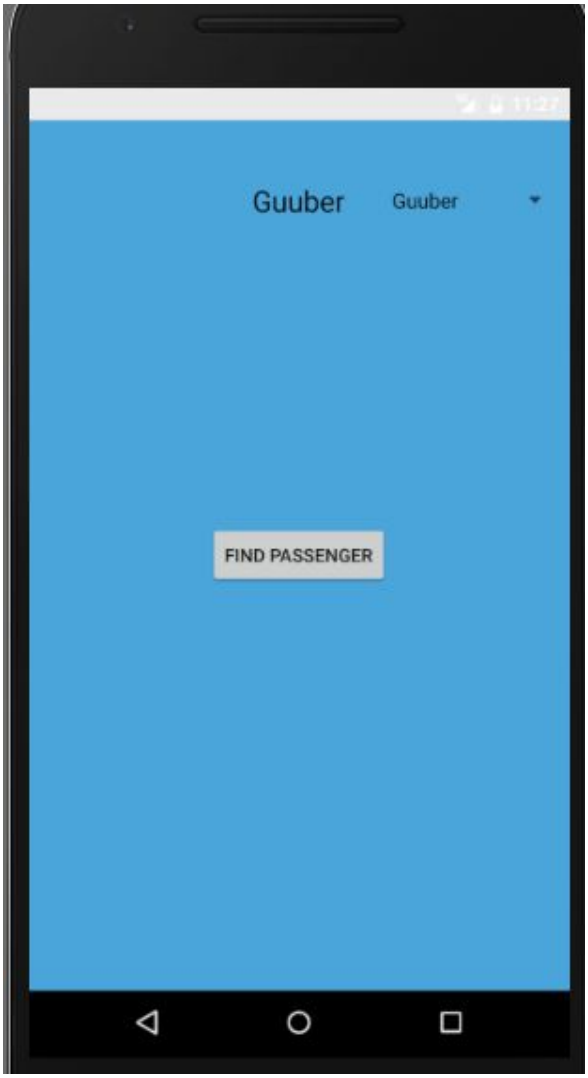

Figure 2.4

3 SIGN IN

Figure 3.1 shows the page for signing in. The input information will be verified. There are three types of exceptions (Figure 3.3 ~ Figure 3.5): invalid username, invalid password, username and password don't match. After successfully signing in, user will enter his/her home page (Figure 3.2).

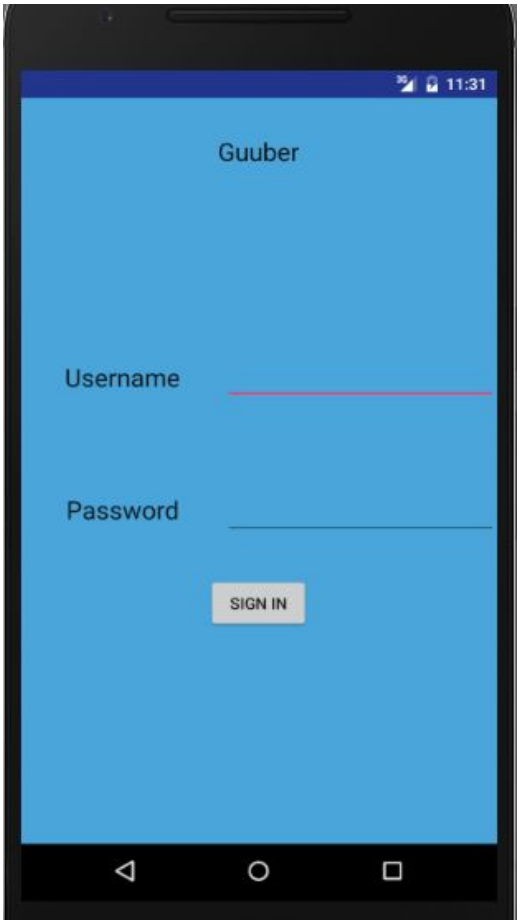

Figure 3.1

Figure 3.2

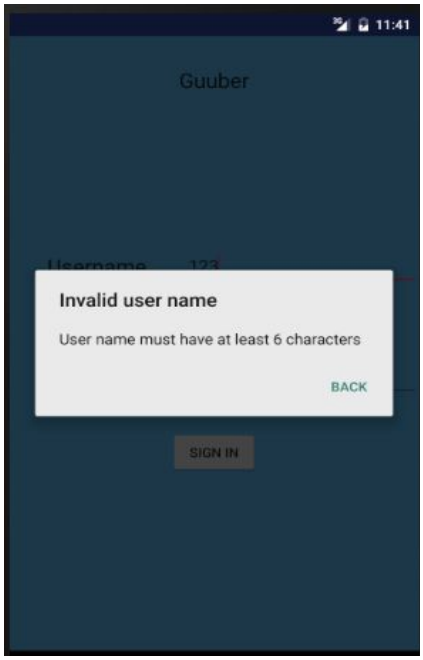

Figure 3.3

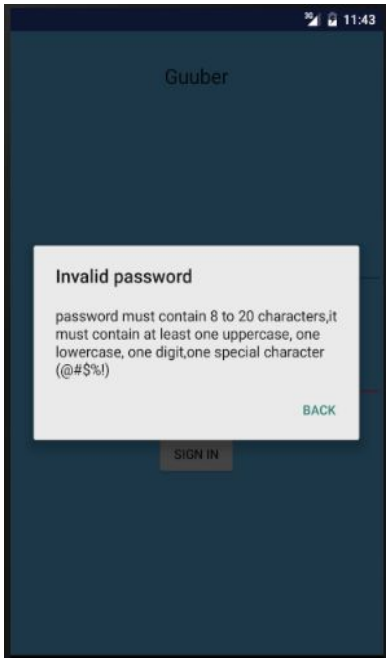

Figure 3.4

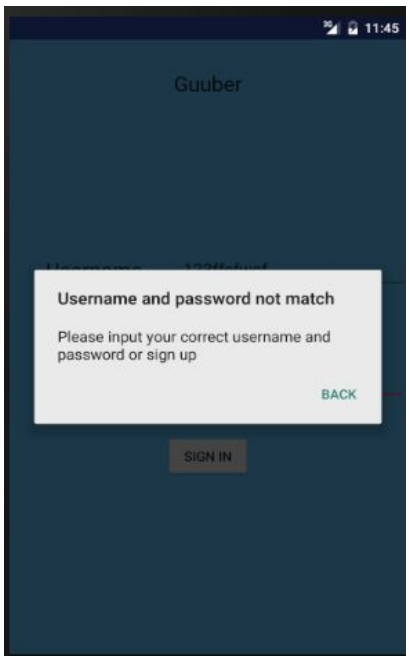

Figure 3.5

4 UPDATE PROFILE

User can enter the page for updating profile from home page (Figure 4.1, 4.2). We do validation on each input field, similar as sign up. Some examples of exceptions are shown in Figure 4.3 (password and its retype don't match) and 4.4 (email address is not valid).

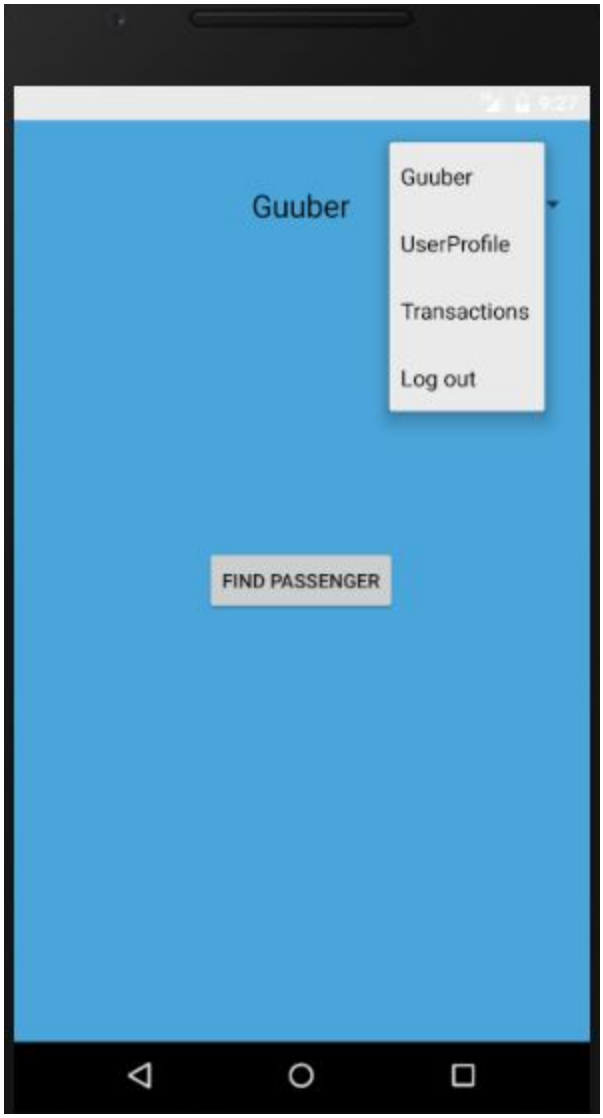

Figure 4.1

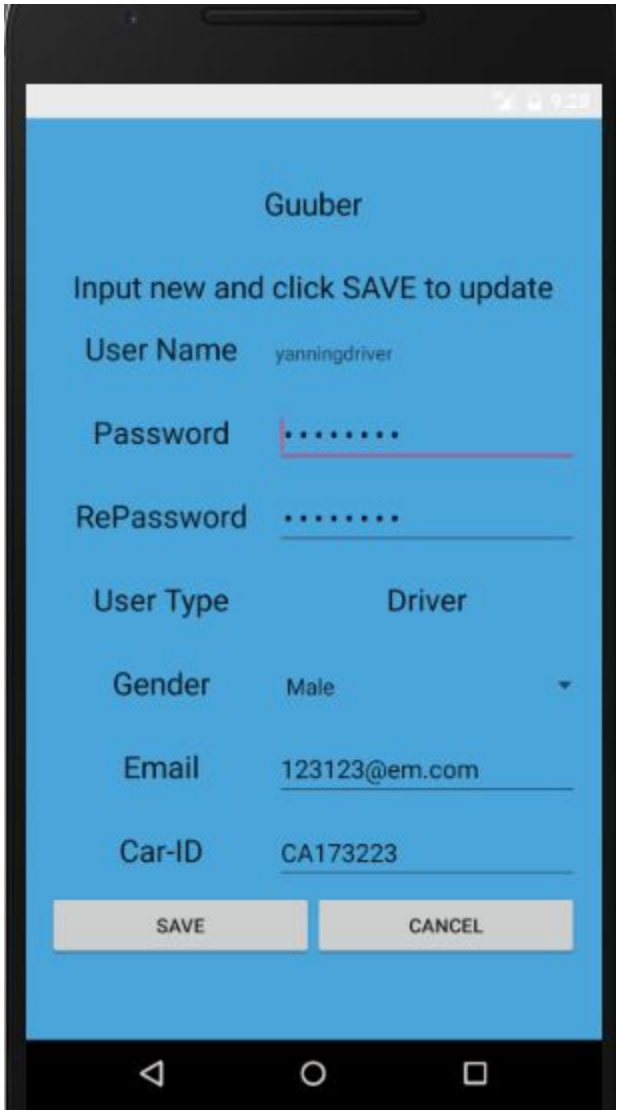

Figure 4.2

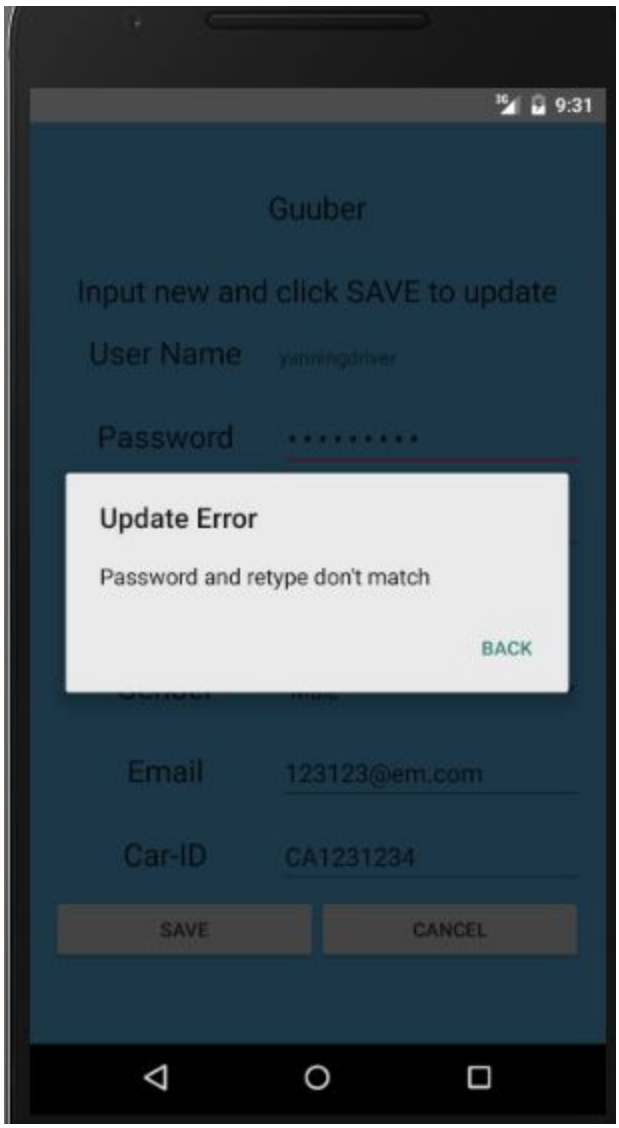

Figure 4.3

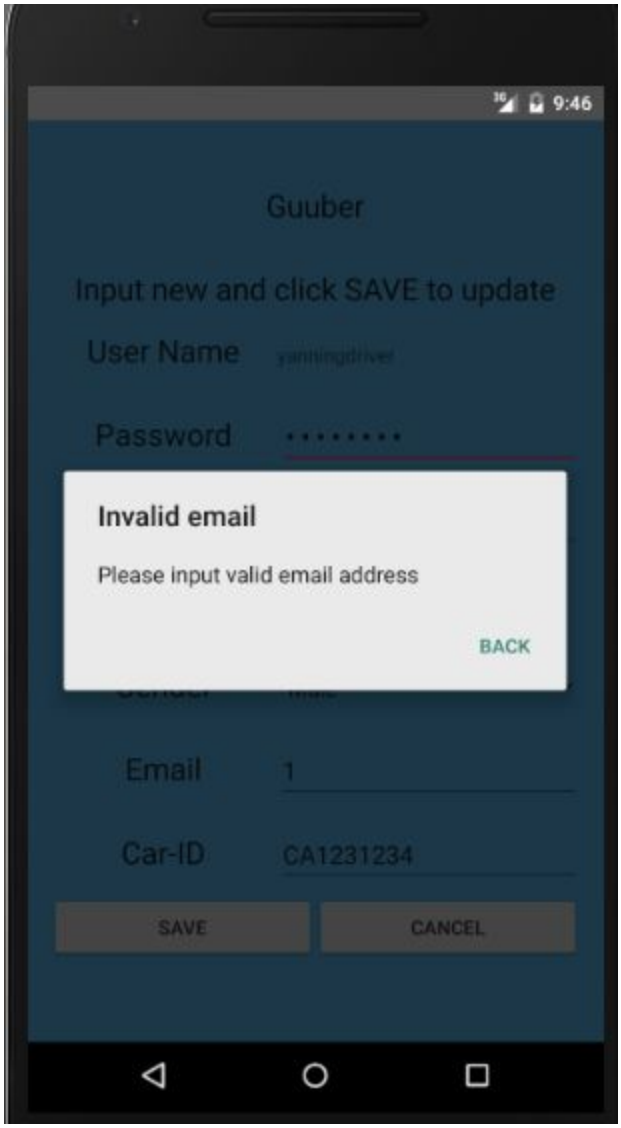

Figure 4.4

5 FIND DRIVER

When a passenger clicks the *Find Driver* button on homepage (Figure 5.1), Guuber will redirect to a page containing Google Map which displays the passenger's location as well as locations of all drivers (Figure 5.2). The passenger can chat with a driver by clicking the marker of that driver (Figure 5.3). The passenger can enter a destination (Figure 5.4), which will be broadcasted to all drivers.

Figure 5.1

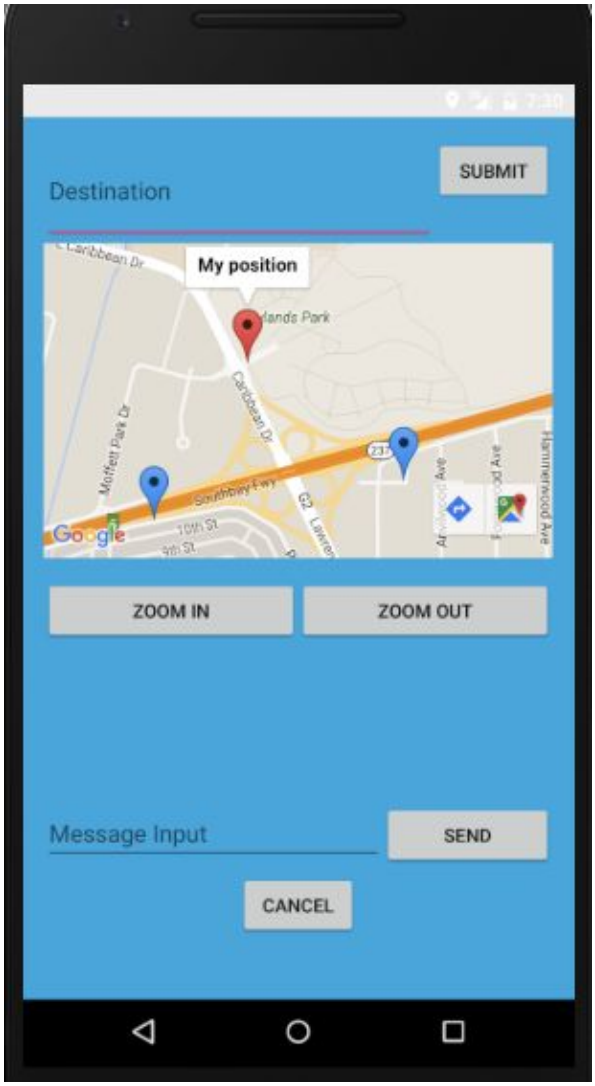

Figure 5.2

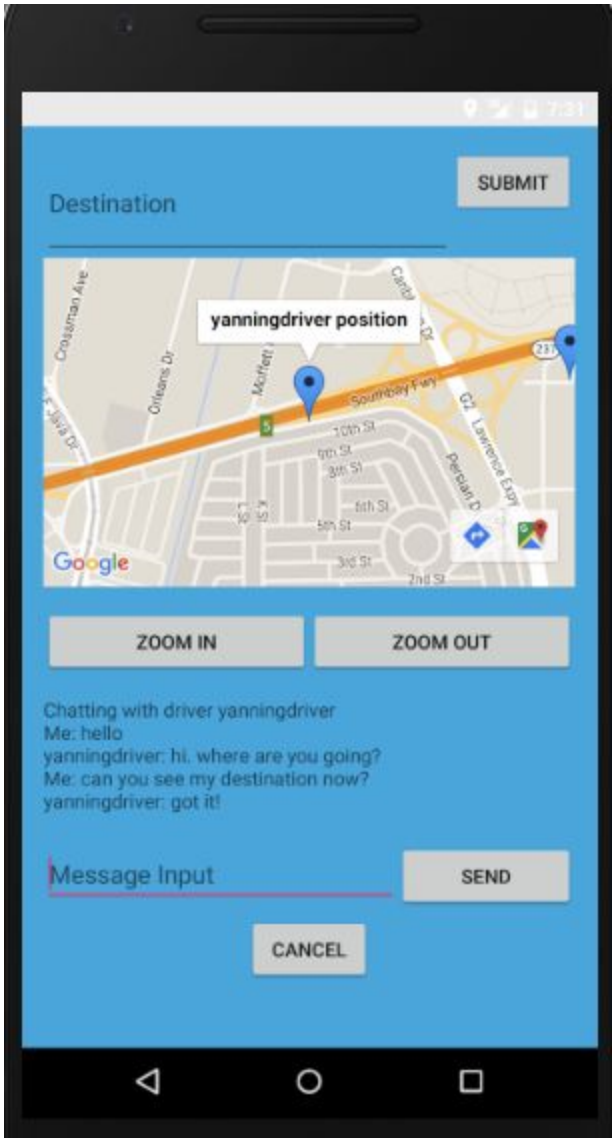

Figure 5.3

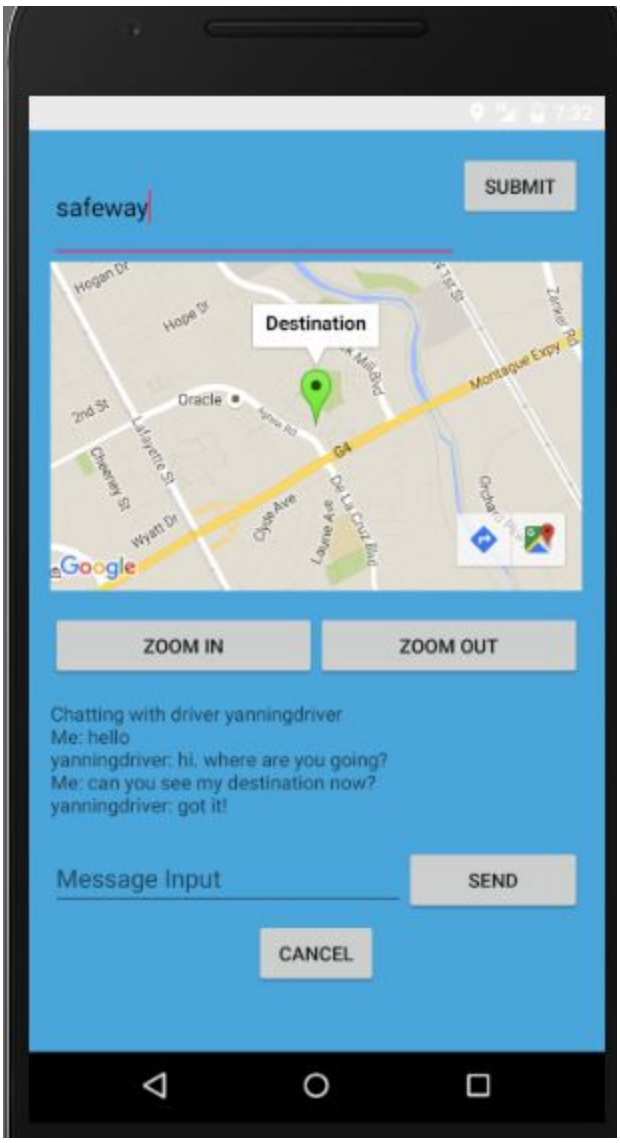

Figure 5.4

6 FIND PASSENGER

When a driver clicks the *Find Passenger* button on homepage (Figure 6.1), Guuber will redirect to a page containing Google Map which displays the driver's location as well as locations of all passengers (Figure 6.2). The driver can chat with a passenger by clicking the marker of that passenger (Figure 6.3). The driver can view the destination of a passenger if it has been set (Figure 6.4).

Figure 6.1

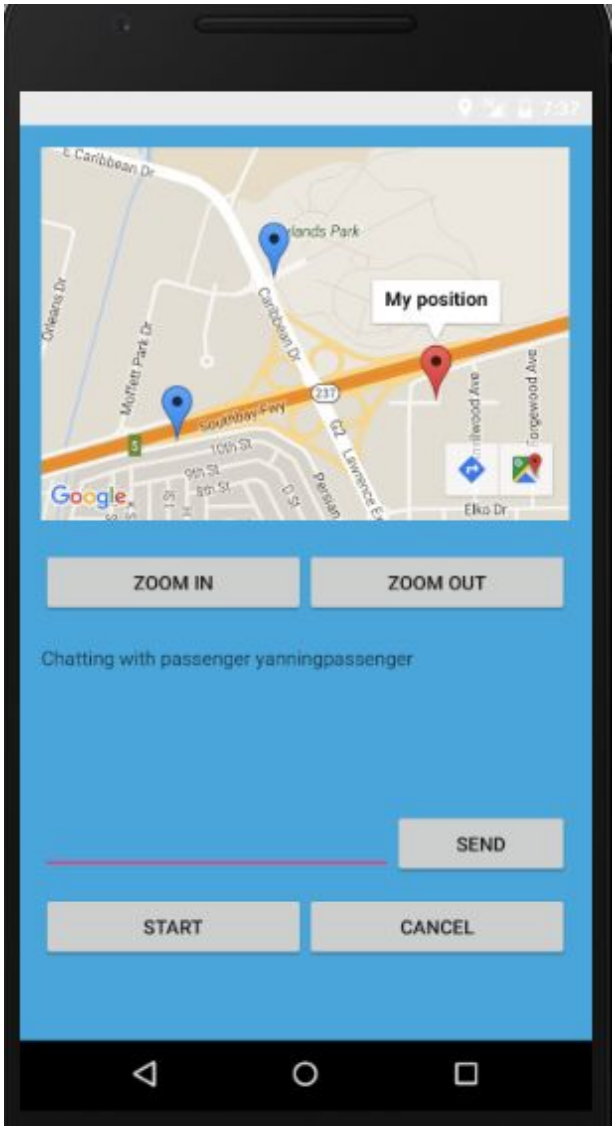

Figure 6.2

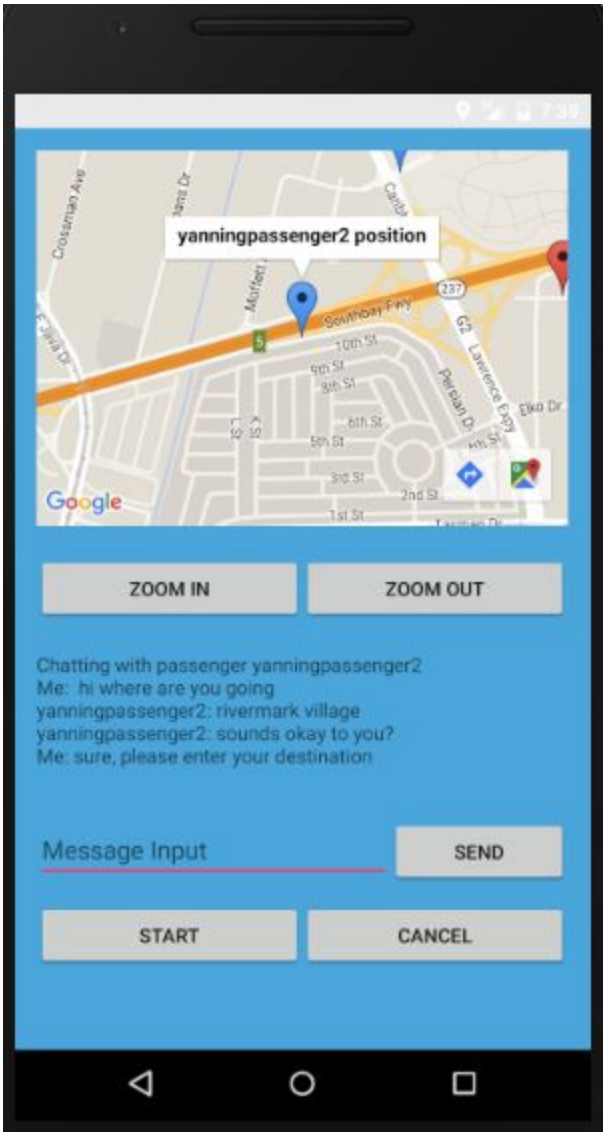

Figure 6.3

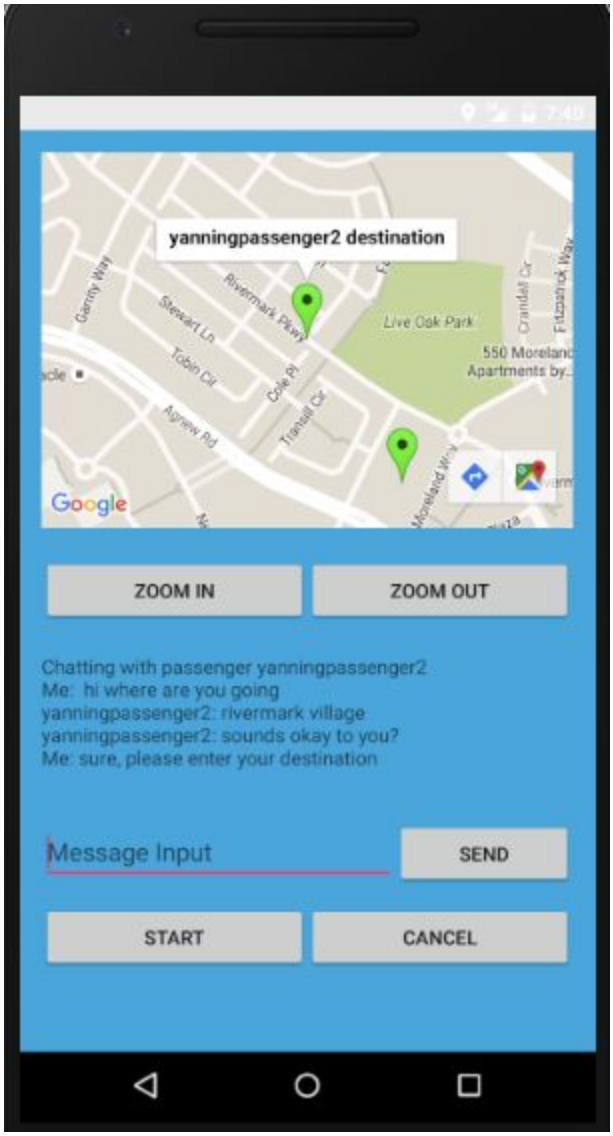

Figure 6.4

7 SEND MESSAGE

As discussed above, a passenger can chat with all drivers while a driver can chat with all passengers. When there is an unread message from a user, the marker of that person will become yellow (Figure 7.1). You can switch between chats by clicking the user (marker) you want to talk with (from Figure 7.1 to Figure 7.2).

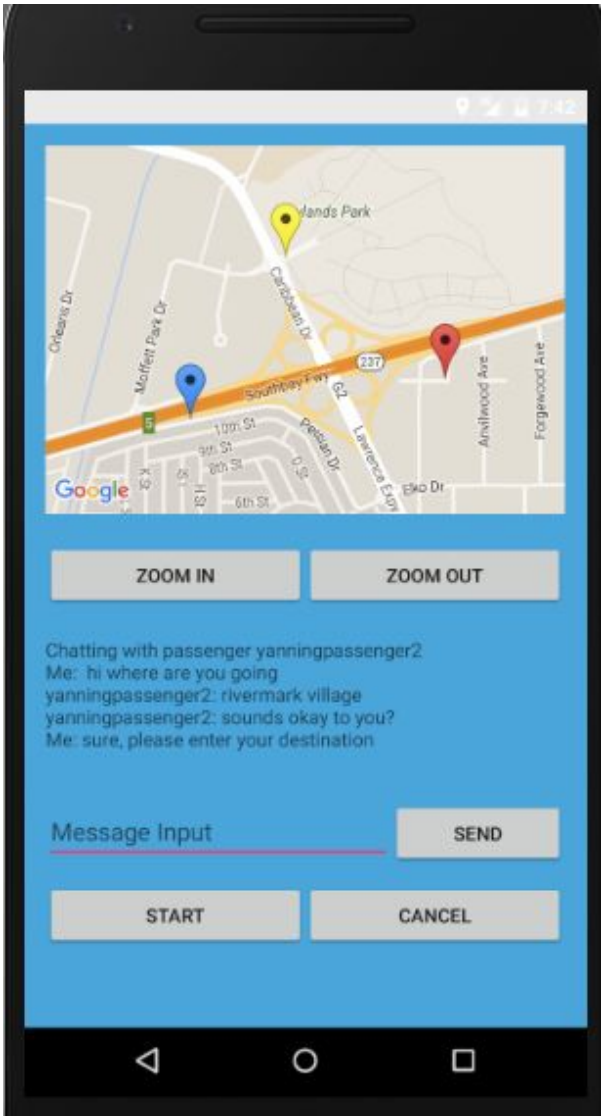

Figure 7.1

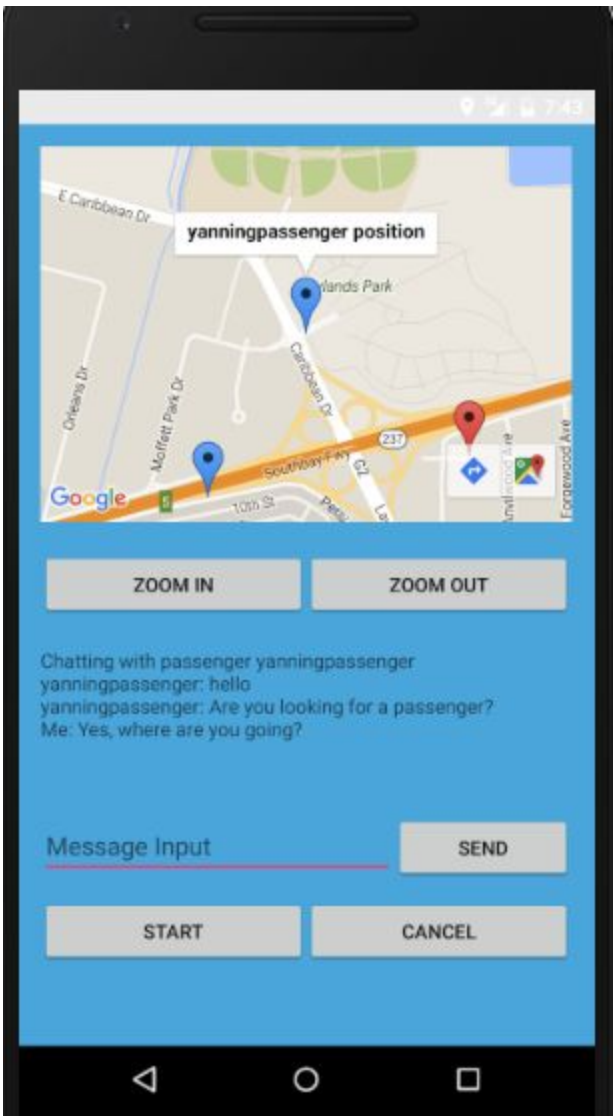

Figure 7.2

8 START SERVICE

After the driver and passenger have reached an agreement, the driver can choose to start the service, then both driver and passenger will be redirected to an In Service page. On driver side, there is navigation path that first direct driver to the passenger's current location then to the passenger's destination (Figure 8.1 and Figure 8.2). On passenger side, there is a map showing the passenger's location (Figure 8.3). If the passenger has not entered a destination, and the driver tries to start the journey, there will be an exception (Figure 8.4).

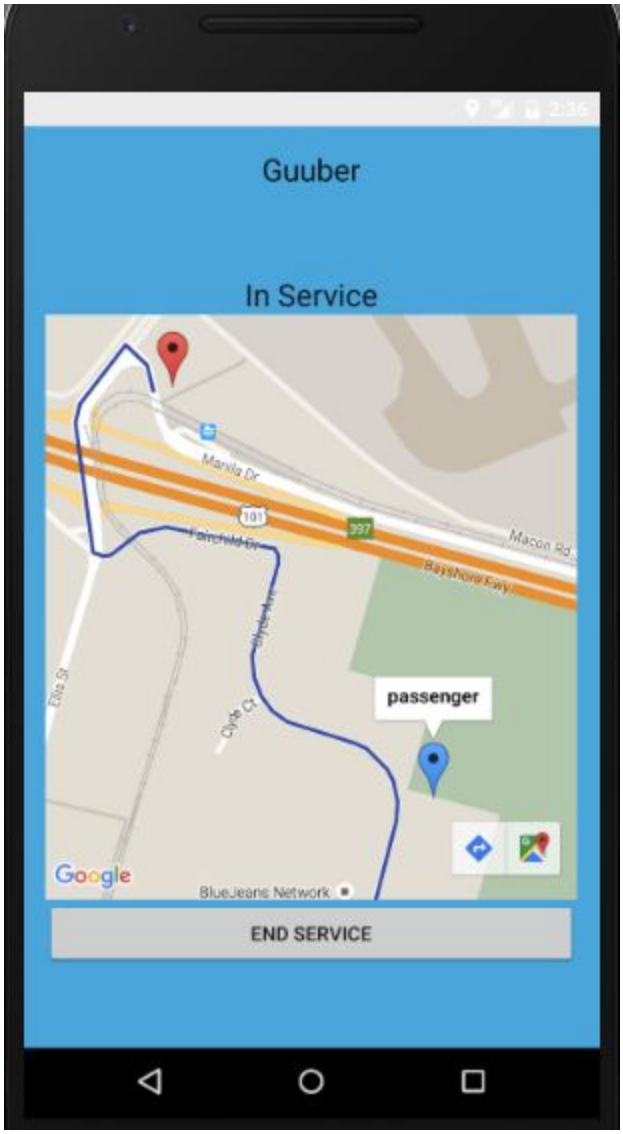

Figure 8.1

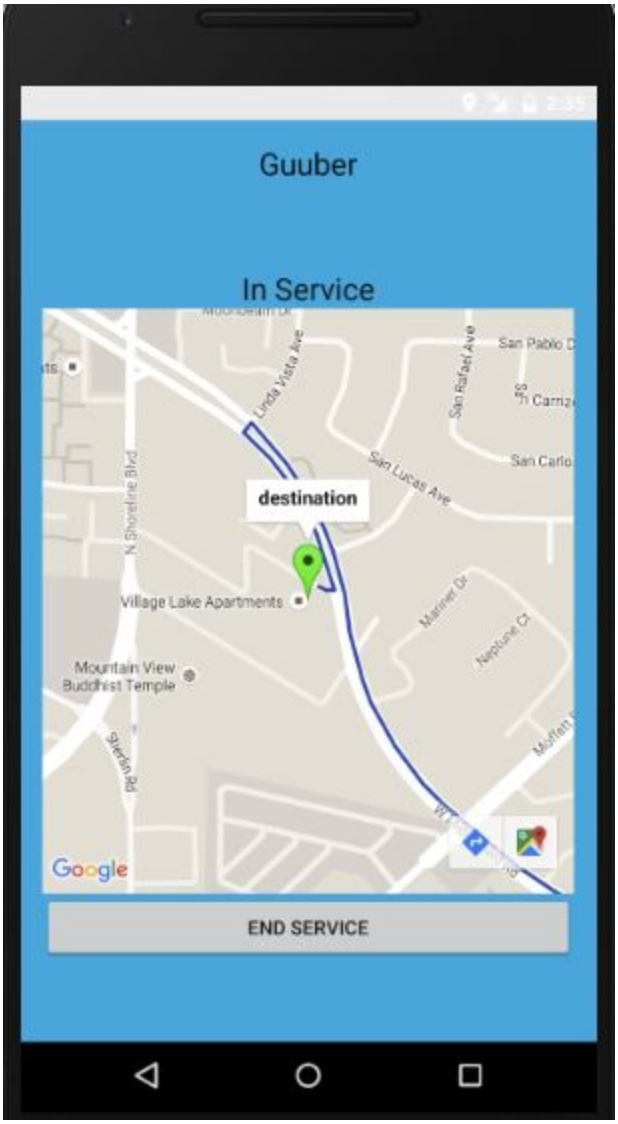

Figure 8.2

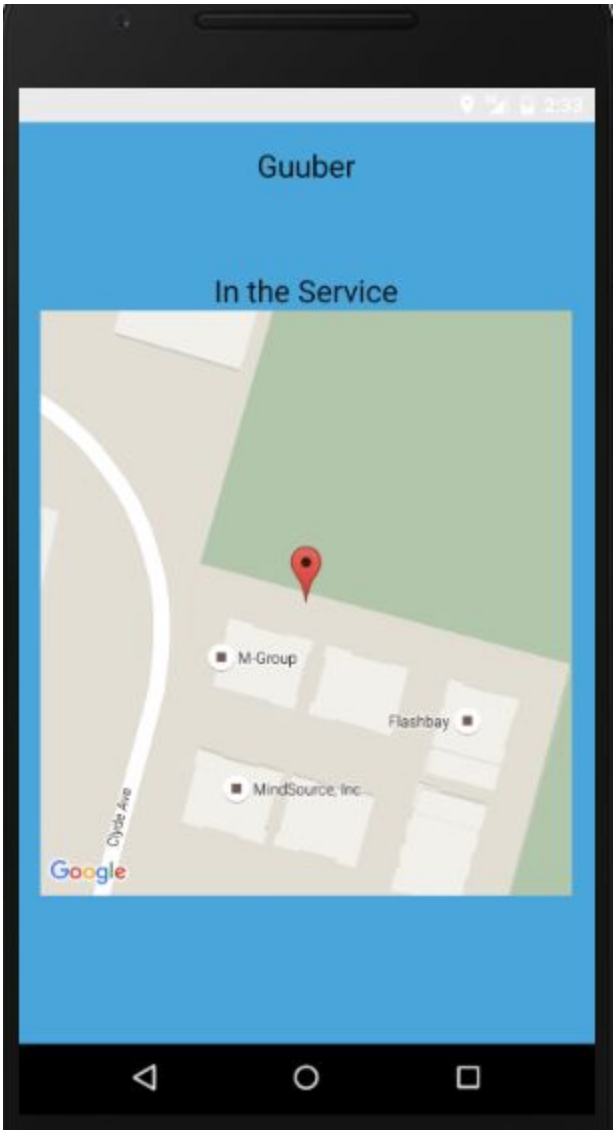

Figure 8.3

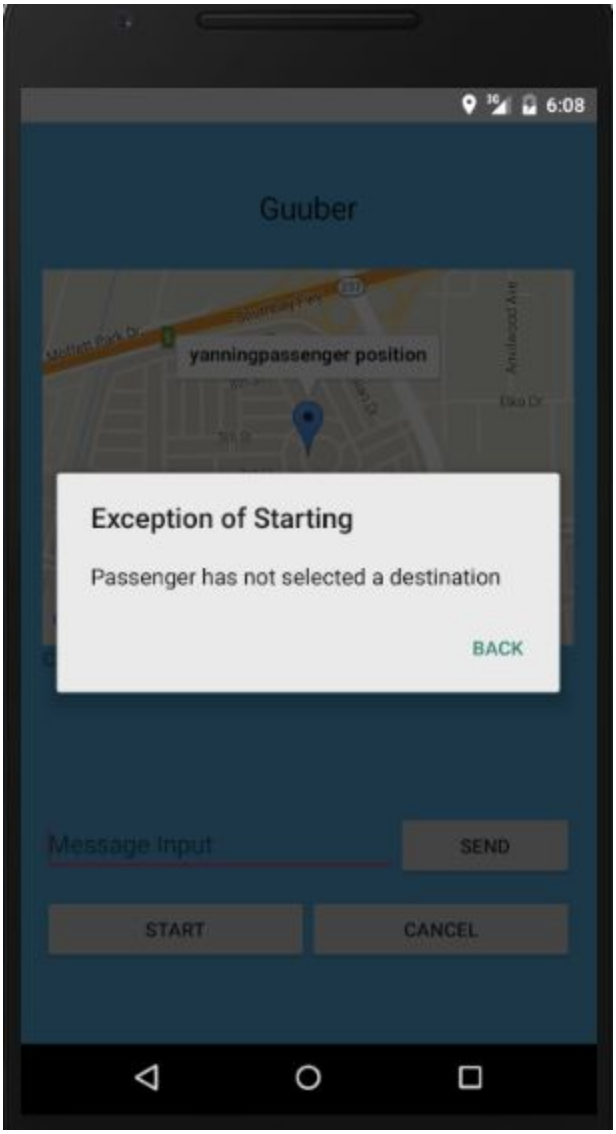

Figure 8.4

9 END SERVICE

After the driver and passenger reaching their destination, the driver can choose to end the service, then both the driver and passenger will be redirected to the home page (Figure 9.1 and Figure 9.2). The history of this journey will be stored on both driver and passenger device (See Section 9 of this document). The suggestive cost is calculated based on time spent on this journey.

Figure 9.1

Figure 9.2

10 VIEW TRANSACTION HISTORY

You can enter the page to view transaction history from home page (Figure 10.1, 10.2). By clicking on each transaction, detailed information can be displayed. If the user is a passenger, driver's name will be shown. If the user is a driver, passenger's name will be shown (Figure 10.3 and Figure 10.4).

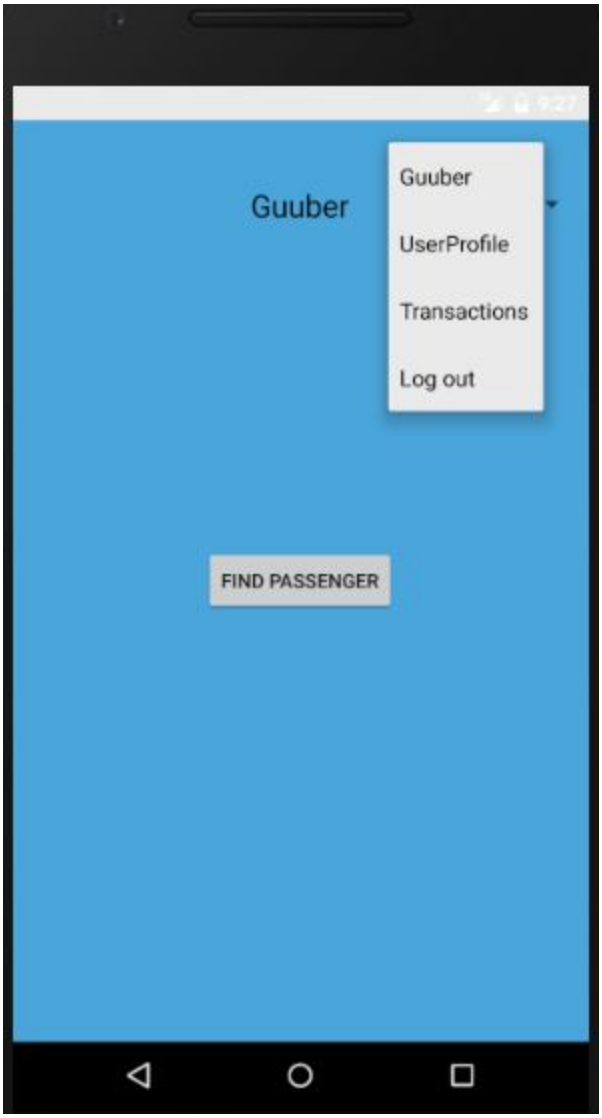

Figure 10.1

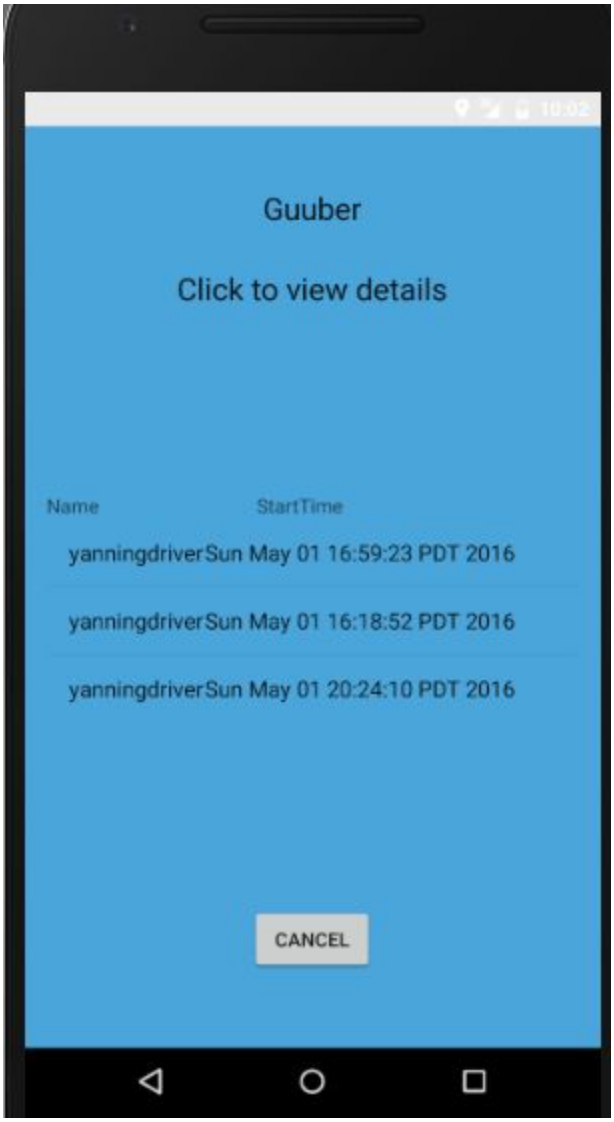

Figure 10.2

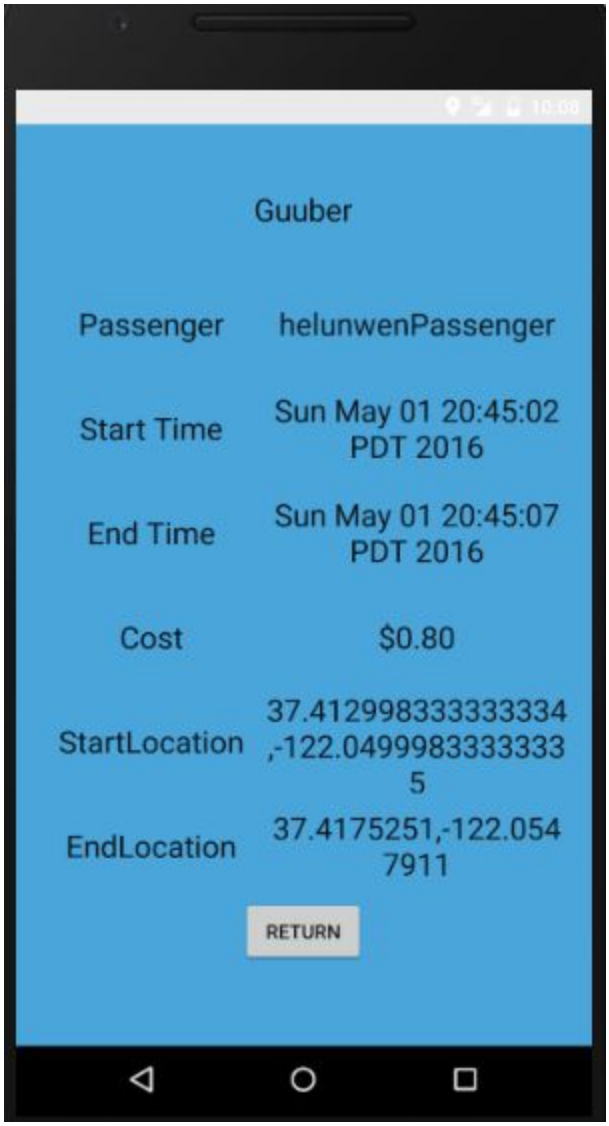

Figure 10.3

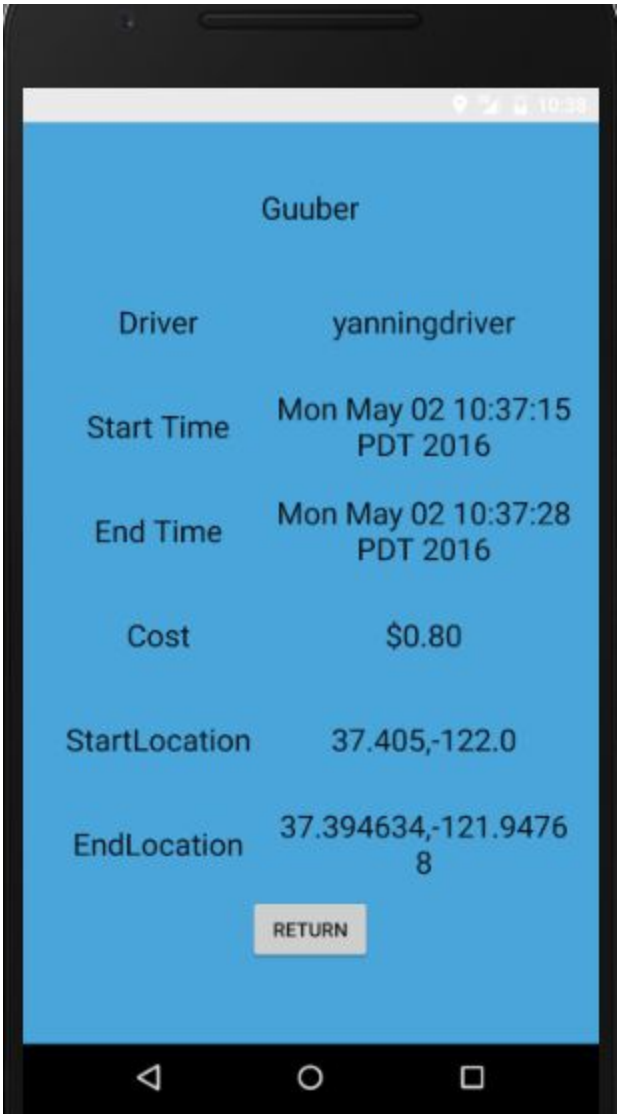

Figure 10.4