**FUNCTION AND NON-FUNCTION**

1. **Function**

* User management:

-Can edit and manage customer order information.

-Can edit and manage information of bus routes.

* Customer management:

-Check if the customer information is valid or not.

-Customers can reserve their own seats by selecting empty seats.

-Make Payment: There are 2 ways:

+Credit card

+QR Code

-After payment, the system will issue a ticket and the ticket will have information about the route the customer has booked and the passenger's information.

**2) Non-function**

* Capacity:Always ready to operate when there is an order from a customer
* Dynamic requirements:Time to search for bus routes that match customer's requirements must not exceed 10 seconds. Time to update available seats is no more than 7 seconds. Time to make payment transactions as well as time to complete the job. payment no more than 10 seconds .Time to confirm the ticket has been booked no more than 4 seconds.
* Quality:ensure consistency and test all possible cases
* Reliability:To be reliable, the software needs to be able to store data and back up the database so that it can be continuously maintained, modified and updated according to changing requirements.
* Security:

-The system will automatically log out of the account when the user is not in use for 10 minutes

-Customer logins and payment accounts are not left behind after logging out

-The system uses SSL to secure customer information

* Maintainability:Software design is being done with modularity for efficient maintainability.