**Car Rent System**

Rentdb

Cardb

CustStakerdb

Userdb

Car Service

Stakeholders&Customer Service

Rent Service

User Service

Discovery Service

Front End (Using Angular JS)

I am planning to design the front end of the application using Angular JS. The data for the front end will be taken from GET and POST methods included in the REST API.

Also, I am planning to use 4 micro-services for this system. Namely,

Car Service, Stakeholders & Customer Service, Rent Service and User Service. The main objective of using these microservices is to isolate the system functionality into multiple independent pieces. As these pieces don’t depend on each other, it will be easy to build and maintain the application.

For this system, I am planning to design 4 databases for the proposed system.

1. Cardb: To store details of the cars
2. CustStakedb: To store details of the customers and the stakeholders
3. Rentdb: To store renting details of the cars
4. Userdb: To store the details of the users of the system

There are two users for the above system, they are Admin and Employee.

The Admin user has all the permission in the system where employee has limited number of permissions.

The employee has permission to register stakeholders and Customer to the system.