**National University of Computer and Emerging Sciences, Karachi Campus**

**RENT A CAR**

**CS3009 Software Engineering**

**Project Proposal**

**BS(CS) – A**

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**Introduction:**

The system provides car rental services, where the car owner will lend his car and the customer will lease his car. This system will aid the person who wants to commute and is ready to make earning by lending his car; he can lend it to a person who wants to lease it. The system will work as a moderator between the customer and the car owner.

**Description:**

The system is divided into two ends-Customer and car owner. Each customer enters his credentials, stored as in Customer Personal Details. We keep track of status (Released/active).

The database will store each car owner's credentials. We keep track of Date of car issuance, Date of car return and the number of days the car was rented. A car owner may register his multiple cars on his CNIC. We present the quota to the car owner. The database will store the experience we had with the car owner as comments.

Each car issued will have a car credentials. We keep track of Date of car issuance, Date of car return and status .Each car will be associated to an owner who registers his car on CNIC.

The database will store car Body Type to store car type and the amount .The database will preserve the car owner and customer details. Each car will possess number of features such as car's body type, mileage, engine capacity, number of seats, transmission, air conditioner, wireless technology, color. Car’s body type will help us decide a tag price for the car.

**Salient Features:**

1. A person can register his car for renting purpose to earn
2. A person can rent a car for few days

**Actors/System User(s):**

1. Customer
2. Car Owner

**Tools and Technology:**

1. MongoDB
2. Node.js (Backend technology)
3. React.js (Frontend technology)
4. Visual Studio Code 201
5. Google chrome
6. **The customer has to initially login.**
   1. Enter correct email
   2. Enter correct password
   3. If he doesn’t have an account, create an account:
      1. Enter email
      2. Enter password
      3. Enter Name
      4. Enter Address
      5. Enter Phone Number
      6. Enter CNIC
7. **He can either go to car forms option:**
   1. Enter issue date
   2. Enter return date
8. **He can now see his booked car in display cars section**