**FUNCTIONAL REQUIREMENTS**

The system design for the car rental system, project includes defining user roles and workflows. It specifies the user, and admin the tasks they perform within the system. The design ensures a smooth and efficient process for managing car rental process, scheduling, booking, and payment process.

**a) End-User:**

**Features supported for the end user in the platform:**

1. Create and manage user profiles
2. Selection of vehicle
3. Rent
4. Make Payments
5. Cancel bookings/registrations
6. **Create and Manage User Profiles**

When you create a user profile, you do not have to re-enter the details of the user every time a user wants to register or book a car. Once a user provides its details and a profile is set up, the user needs to login in order to avail all functionalities provided on the platform. When a customer logs into the platform using their assigned ID and password, they gain access to the dashboard where they can make use of the platform functionalities.

1. **Selecting car**

After creating the profile and logging into the account, the user can view all available car that are registered on the platform. The event list will contain all car details like car name , colour ,number plate ,location. The end user can book any registered car they wish to rent by making payment.

1. **Rent**

The end user can book the required car by completing rental process. They can provide all details regarding to booking process and make an request for rent if that request is approved by admin that the platform will lead the user towards payment. If the payment is completed successfully then it indicates that car is booked. The rent process includes some details to be entered such as user id ,vehicle id ,start date ,end date ,total cost ,payment id. After all these details are filled the request is sent to the admin when admin approves the request the car booking process leads to payment.

1. **Make Payments**

Renting of car require successful payment. The platform will have a robust payment interface guaranteeing secure payments. After providing rental details and admin approval users are then directed to the payment gateway where they can provide payment details.

1. **Cancel bookings/registrations**

Any unforeseen circumstances may arise therefore end users must have the option of cancelling their bookings and refund must be provided after cancellation.

**b) Admin:**

**Features supported for admin on the platform:**

1. Login
2. View and manage user profiles
3. Booking Management

**1. Login**

The admin logins to the website using the authorized id and password. If the admin logins successfully then they are taken to the Dashboard where they can manage the platform functions.

**2. View and manage user profiles**

The admin can monitor all the profiles of all the users who have registered on the platform, as well as the registered car.

**3. Booking Management**

Admin manages all booking requests received on the platform. The admin approves the request once he verifies the details provided by the user. He also approves any cancellation request.