FUNCTIONAL REQUIREMENTS OF CAR RENTAL SYSTEM

OBJECTIVE:

The main objective of the Car Rental System is to manage the details of Car ,Payment, Customer, Admin. It manages all the information about Car, Booking , Modifying ,etc. The project is totally built at administrative end and Customers end thus both the administrator and customer is guaranteed the access. The purpose of the project is to build an application program to reduce the manual work for managing the Car, Payment, Booking Reservation, Customer. It tracks all the details about the Customer.

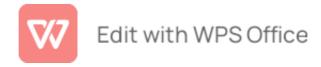## FEATURES SUPPORTED IN APPLICATION:

FEATURES AVAILABLE FOR ADMIN:

1. VIEW BOOKING

2. MODIFY BOOKING

3. ADD STAFF

4. PAYMENT STATUS

FEATURES AVAILABLE FOR USERS:

1. BOOKING FOR RENT

2. ADD/MODIFY BOOKING

3. VIEW STATUS

4. SEARCH CARS

5. CUSTOMER SUPPORT

FEATURES FOR ADMIN:

Login->Dashboard>View Booking

Login->Dashboard->Modify Booking

Login->Dashboard->Add Staff

Login->Dashboard->Payment Status

View Booking	Allows the admin to view the customers booking history , id ,payment ,booking time and date.
Modify Booking	Allows the admin to modify booking details of customer like cancel booking ,changing car ,pick up and end date and time.
Add Staff	Allows the admin to add staff to approve the customers request for booking and Payment.
Payment Status	Allows the admin to check payment status of the customer or If the payment has to done by the admin for the customer.

FEATURES FOR USERS:

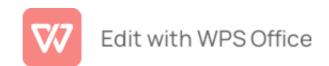Login->Dashboard->Booking For Rent->Pick Up Time->Destination Location

Login->Dashboard->Modify Booking

Login.->Dashboard->View Status

Login->Dashboard->Current Location

Login->Dashboard->Customer Support

Booking For Rent	Allows User To Book the cars at specified destination ,location ,Time , date. It contains search for cars availability.
Modify Booking	Allows User To Modify Booking such as cancel booking ,updating date and time.
View Status	Allows User to View Status of their booking.

Current Location	Allows User to see his/her Current location(availability)
Customer Support	Allows User to Contact Customer Support.

ADMIN INTERACTIONS:

1)Admin can View Booking details of the customer

2)Admin can Modify Booking details of the customer

3)Admin can Add Staff

4)Admin can check payment status of the customer

5)Admin can logout.

USER INTERACTIONS:

1.User can click on Booking For Rent from Customer Dashboard.

2.User can add the reservation details and click next.

3.User can add the customer details and click next.

4.User can select car type from car details.

5. User can agree for the terms and condition and proceed to payment window.

6. User can scan the QR code and payment can be done.

7.User can logout.

Admin Workflow:-

Admin Workflow diagram:

- Admin → Login/Authenticate → Homepage/Dashboard
- Homepage/Dashboard branches to:
  - View Booking
    - Customer Booking Details
      - Customer First Name
      - Customer Second Name
      - Booking Time
      - Booking Id
      - paid/Not
    - Total Car List
  - Modify Booking
    - Cancel Booking
    - Car Type
      - SUV
      - Sedan
      - Van
      - HatchBack
      - Wagon
      - MiniVan
  - Add Staff
    - Approving Customers Request
  - Payement Status
    - Booking Id
    - Name
    - Date
    - Time
    - Amount → Payement Status
      - Pending
      - Completed
  - Log Out

User Workflow:-

Customer

Login/Authenticate

Homepage/Dashboard → DashBoard of Customer → Current Location

Booking For Rent
- Reservation Details
  - Pick up Time
  - Destination Location
  - Current location
- Profile
  - First Name
  - Second Name
  - Email
  - Contact Number
  - Log out
- Customer Details
  - Customer First Name
  - Customer Second Name
  - Phone Number
  - Driver License
- Car Details
  - Car Type
    - SUV
    - Sedan
    - Wagon
    - Van
    - HatchBack
- Payement
  - Cash
  - UPI payments — Gpay/Phonepe

Add/Modify Booking
- Car Details
  - Car Type
    - SUV
    - Sedan
    - Wagon
    - HatchBack
  - Date And Time
- Cancel Booking

View Status
- Customer Booking Status
  - Car Type
    - SUV
    - Sedan
    - Wagon
    - HatchBack
  - Customer Name
    - Customer First Name
    - Customer Second Name
  - Booking ID
  - Reservation Details

Customer Support