

CAR RENTAL SYSTEM

Introduction:

This system is designed to facilitate the booking of rental cars online to customers by a Car Rental Company. This system provides facilities like viewing available cars, register to manage bookings in the company customer service website, compare pricing and book a car. Additionally, the customer can also keep track of the previous bookings and share reviews and ratings. This system simplifies the burden on the staff and management and increases customer satisfaction with ease in access and availability.

Functionality:

- a) Each car should belong to a particular Car Category and each car will belong to a particular location.
- b) Customer, based on his location and car category preferences, rents a car.
- c) Based on his location and car category and **rating** preferences, list of cars available to rent will be shown along with an available date and time (from and to).
- d) Customer will select a car from the suggestions and should be able to reserve it for rent.
- e) When a customer reserves a car, he/she should be able to optionally purchase a Car mInsurance Plan and should be able to apply at most one discount code.
- f) Billing is generated when a car is returned.
- g) Customer can return the car before the due date, on the due date or he/she can return it late also.
- h) If a customer returns a car after the due date, an additional late fee is calculated and added to the bill.
- i) Once the car is returned it becomes available for the booking.
- j) A booking can be cancelled until 5 days before the actual pick up.
- k) A customer can also view his previous bookings based on customer Id and booking Ids.

MODULES

- Customer Dashboard module
- Billing module
- Car Current Booking module
- Admin Report module
- Page Filtration module
- Car Selection module
- Car Advanced Booking module

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Benefits

- The Admin can keep track of all his rentals till date to generate corresponding reports.
- User has the advantage of selecting a car based on the ratings given by previous users.
- Location-based availability search.
- Booking can be made 5 days in advance with cancellation facility upon user choice.
- As bookings can be made online, it is user-friendly and also profitable to the company.
- The customer has his own dashboard to track his bookings.

Name of the Team: Exploit_It

Sno	Name	Rollno	Role
1.	Sai Chandra Mouli T	17160	Team Leader
2.	Sai Phani P	17137	Developer
3.	Prashanth S	17140	Designer
4.	Narasimha V	17162	Test and Document

Output:

- Viewing of car details.
- Booking of cars.
- Bills.
- Customer Dashboard

Development Platform:

- MySQL for Database.
- Python frontend with PyQt interface.(Django/flask for web in later stages)

Signature of Class Handling Faculty: