

# Online Car Rental System

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**Abstract:** Currently, the people find a car to rent via social network and make some call to car's owner for a rent. To offer the benefits for both owner and rental, the hire car system was developed. This project was done to beat the matter of individuals to seek out a car to be easier and for the car's owner they will manage booking made by rental through this technique. This technique includes three modules which are of rental, car's owner and administrator. The title of this project is named "Online Car Rental System". Car rental system primarily serve people who require a temporary vehicle, for example, those who do not own their own car, travellers who are out of town, or owners of damaged or destroyed vehicles who are awaiting repair or insurances compensation. Car rental agencies may also serve the self-moving industry needs, by renting vans or trucks or bikes, and in certain markets, other types of vehicles such as motorcycles or scooters may also be offered. The aim of the project is to create an automatic system for reserving Vehicles online and simply manage rental services by using the online based system. The project aims to create a web hire car system. We used five stages development life cycle including planning, analysis, design, implementation and use, which utilized programming language of PHP and MYSQL database.

**Keywords:** Online hire car, Luxury hire car, car rental Online, Car Near Me

## I. INTRODUCTION

A **car rental, hire car, or car hire** is that rents automobiles for short periods of time, generally ranging from a few hours to a few weeks. Car is a transportation used by human to go everywhere also across state by state, from home to the town and so on. For most of the travelers, renting a car is one of the easiest and cost-effective solution to travel. You can choose your preferred car and cover the distance you want. It is become one of the most important things in our daily life. For the among of workers, they ready to buy a car and pay with the salary they need. But it's different with people who aren't ready to buy a car like workers did. Just only a particular people having their own car. So as to travel out anywhere, people that doesn't have a car but needed a car, they have to rent. At the town, having many of individuals who own the car, manage to rent their car for others people. So as to rent, they have to post their advertisement to urge customer. A newly hire car System prototype are going to be developed. This technique will make both rental and car owner easy to try to to their business. All this may hopefully help both parties achieve their target at an equivalent time.

## II. REASON FOR THE PROJECT

The advancement in Information Technology and internet penetration has greatly enhanced various business processes and communication between companies (services provider) and their customers of which hire car industry isn't overlooked. Car Rental system platform is more than just an online booking system as it provides valuable information about cars it also provides information regarding cars maintenance and servicing tracking. This online Car Rental System is developed to supply the subsequent services:

- **Enhance Business Processes:** To be ready to use internet technology to project the rental company to the worldwide rather than of limiting their services to their local domain alone, thus increase their return on investment (ROI).
- **Online Vehicle Reservation:** A tools through which customers can reserve available cars online before their expected pick-up date or time.
- **Customer's registration:** A registration portal to carry customer's details, monitor their transaction and used same to supply better and improve services to them.
- **Group bookings:** Allows the customer to book space for a gaggle within the case of weddings or corporate meetings (Event management).

The Objectives of the system developed are:

- I. To easier car renter in searching the cars supported date and time got to rent and Car rentals save you from the worries of maintenance fee and depreciation loss. If you really don't need a car every day and uses one on special occasions only, then, it is best for you to just rent so you will be saved from the burden of insurance fee, servicing and MOTs.
- II. To easier car's owner or car lender manage their cars and manage booking made by rental.

III. To hire car system as a platform for both rental and car's owner to seek out a car for rent and manage booking respectively.

### III. SYSTEM ARCHITECTURE

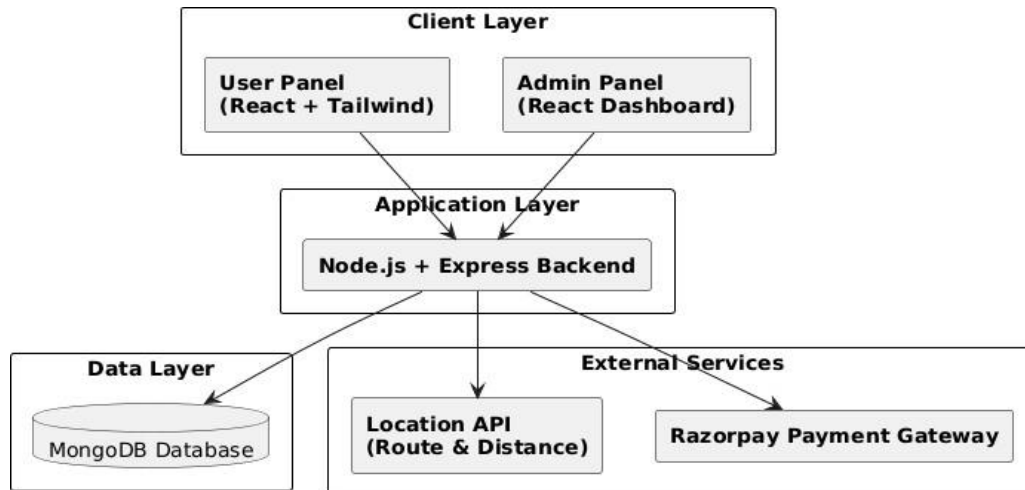


Fig. 1 Data Flow Diagram

A car rental is a vehicle that can be used temporarily for a period of time with a fee. The Car Renter system have been capable of providing a smooth and organized service to its customers. Renting a car is a convenient option for anyone who needs a temporary vehicle for a vacation, special event, business outing or during a period when you're in between cars. Renting a car assists people to get around even when they do not have access to their own personal vehicle or don't own a vehicle at all. The individual who want to rent a car must first contact the car rental company or car owner for the desire vehicle. This can be done online. At this point, this person has to supply some information such as; dates of rental, and type of car. After these details are worked out, the individual renting the car must present a valid Identification Card. Most companies throughout the industry make a profit based of the type of cars that are rented. The rental cars are categorized into economy, compact, compact premium, premium and luxury. And customers are free to choose any car of their choice based on their purse and availability of such car at the time of reservation.

### FUNCTIONAL SPECIFICATIONS USER SPESIFICATION

- **Admin:**

Admin can add a car, manage booking car and rent and also view feedback and enquiry.

- **User (Customer and Car owner):**

Customer can view online information of available cars, booking car, easily get the car online on rent and also give feedback and can enquiry.

The car owner can post advertisement for his/her car on website along with the specifications of car.

### MODULE SPECIFICATION

- **CAR OWNER POST ADVERTISEMENT:**

The Car owner can post advertisement for his/her car on website with the specifications of car.

- **VIEW AVAILABALE CARS:**

It is a system design specially for large, premium and small car rental business. The car is available then user can book online for that car.

- **BOOKING CAR:**

The user can view available cars and user can book online for that car.

- **EASILY GET THE CAR:**

The customer can easily get the car on the rent with use of this online system.

- **GIVE FEEDBACK:**

The customers will give the feedback online to the admin or car owner.

- **ENQUIRY:**

The inquiry can easily done by user and solve the query.

- **ADD CAR:**

The admin can add the car so that the user can see the available cars and book online the Car.

- **MANAGE RENT:**

The admin can manage the rent so that the user can see the rent and book online the car.

- **VIEW FEEDBACK:**

The admin easily view the feedbacks and solve the query in this system.

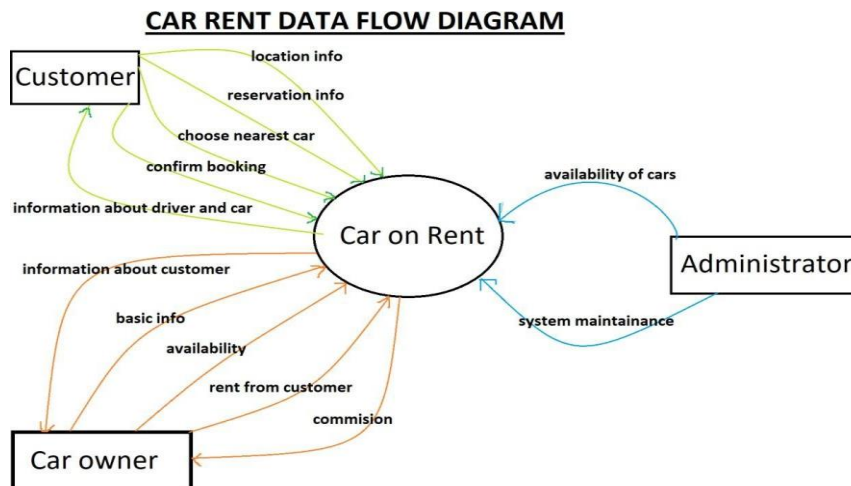


Fig. 2 Data Flow Diagram

#### IV. CONCLUSION

The project is aimed toward developing online hire car system. Nowadays, Travelling can be overwhelming, especially when you have to move from one location to the next. Renting a luxury vehicle or hiring a chauffeur can make your vacation or business trip more comfortable. The system allows customers to perform tasks in a simple way. The proposed platform will employ tons of individuals (in the shape of miners) and make them earn money by renting out their cars securely, without a requirement of giving commissions to the intermediaries. The cash will only be transferred to the respective parties on successful completion of the transactions unbiased. There'll even be a provision for a margin which can be locked by the smart contract, until the successful completion of the ride. Thus we will see how this technique can resolve a number of the shortcomings of the hire car industry efficiently. Using this application user has the freedom of booking any car of his choice as per the occasion. Allows user to settle on from the variability of cars, select the pick-up point and therefore the destination. Car rental business has emerged with a replacement goodies compared to the past experience where every activity concerning hire car business is restricted to a physical location only. Albeit the physical location has not been totally eradicated; the character of functions and the way these functions are achieved has been reshaped by the facility of internet.

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