CAR RENTAL SYSTEM

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ABSTRACT

A "car rental system" is being developed for customers so that they can book their vehicles. This website takes customer information through filling in their details. The customer registers in the website as a vehicle book facility which he needs. This website is a fully integrated online system. This system is customer friendly and provides to fill in the details as per their requirement. This includes the type of vehicle you are renting and trying to use the space. The purpose of this system is to develop a website for people who can book a vehicle according to their needs.

Keyword : - *Customer Information, online system etc….*

1. INTRODUCTION

Our goal is to design and build a data management system for a car rental company. This allows administrators to rent vehicles used by the customer. By paying within the specified period. This system enhances customer retention and facilitates vehicle and staff management in an effective way.

This software car rental system has a very user friendly interface. This way users will find it much easier to work on it. Using this system the administration can manage their rent, payments, employment issues and auto insurance and insurance. Car information can be added to the system. Or existing car information can be edited or deleted by the administrator. Reports of transactions of the car rental system can be retrieved from the administrators if required. Therefore, there is no delay in making the car information available when required.

Customers can also use this system to rent a car. Before logging in, the customer must create a new account or log in to the system in the account he / she created. He / she can then see the cars available at the branch and make a reservation for the car. This system will be useful for administrators as well as customers.

Most people do not have their own vehicle for the purpose of travel. This is the situation in most villages today. This situation allows them to find a vehicle for temporary use. Our proposed system is now a car rental system that can easily book a vehicle according to their needs.

This website car rental system has a very user friendly interface. This way users will find it much easier to work on it. Using this system, administrators can manage their rented cars, payments and auto insurance and insurance. Car information can be added to the system. Or existing car information can be edited or deleted by the administrator. There is no delay in the availability of any car information, car information can be obtained very quickly and easily when needed.

Customers can also use this system to rent a car. The customer must create a new account before logging in or they can log in to the system as they have created an account. They can then view the cars available at the branch and make reservations for the car. This system will be useful for administrators as well as customers.

The main responsibility of the car rental system is to use the vehicle for some purpose for their temporary period. It is useful for people who do not have their own vehicle.

2. LITERATURE SURVEY

Nidhi Singh , Venu Gopal Pandey, Dr.N.Thillaiarasu "Web Based Online Car Rental System" [1], Transportation is the backbone of the working man and a medium between such a large number of organizations, governments and individuals. Carrying legal transportation can improve your adequate capacity in streamlining and working environments with the numerous additional issues that exist in your regular daily routine. Undoubtedly, there is a need to create a structure that can assist organizations in finding and rescuing means of transportation like a vehicle. The process of booking a vehicle for rental reasons is manual. It requires physical activity to book a vehicle and it is monotonous and top notch. Similarly, as long as the benefit goes to the fewer recipients and in the long run, the general results decrease. The Vehicle Rental Framework has a PHP approach for the organization, an online access path and is created using PHP and MySQL separately. This gateway is a neat, practical and time consuming effort for the customer and to see through the vehicle. The customer is required to create a record through the registration process and book the required vehicle on the web. This additional work and proper organization helps to increase the accessibility of vehicles. An additional component of our effort report is to focus on self-drive vehicle rental and pickupdrop so that the association can operate remotely.

Gaurav Patel, Amol Koli, Rakesh Kadam, Rahul Bhat, Prachi Kshirsagar "Car Rental System" [2], A car rental system is being developed for customers so that they can book their vehicles from any part of the world. This application collects information from customers by filling in the details. The customer registered on the website has the facility to book the required vehicle. The proposed system is a fully integrated online system. It automates automated processes in an effective and efficient way. This automated system facilitates customers and provides them to fill in the details as per their requirement. This includes the type of vehicle you are renting and trying to use the space. The purpose of this system is to develop a website for people who can book for vehicles and the needs of any part of the state. Car rental companies buy or rent a number of agile vehicles and charge their customers a fee. Rental agility can be structured in a number of ways - they can be wholly owned (known as 'risk vehicles' because car rental operators are taking risks on how much the vehicle will sell when it eliminates the risk), it can be leased or it May be owned under a guaranteed buy-back program conducted directly by the manufacturer or the financial outsourcing of the manufacturer (this is known as a 'repurchase vehicle' because the manufacturer outlines the exact price of the original sale and ultimately the return purchase.

Bayu Waspodo, Qurrotul Aini and Syamsuri Nur "Development Of Car Rental Management Information System" [3], Avicindonesia has a car rental system that is involved in customer inquiries. They will fill out a car rental form. The application will be submitted to the office. Upon completion of the verification process, car and driver information will be provided through the system, along with rent history records. The research aims to create an online car rental system. The researcher used a five-stage development life cycle, including planning, analysis, design, implementation, and use that uses the PHP 5.0 and version 5.1.30 MYSQL database programming languages. Based on the analysis, the information system can save an average of two days of efficiency and paper costs up to RP to deliver the vehicle to the customer. 750,000 in rent history records.

3. PROBLEM STATEMENT

Car rental is a vehicle that can be used temporarily for a specific period of time. Renting a car helps people resolve the fact that they do not have access to their own personal vehicle or the fact that they cannot afford a vehicle. Anyone who needs a car should contact the car rental company and sign a contract for the vehicle. This system enhances customer retention and simplifies vehicle and staff management.

4. ARCHITECTURE

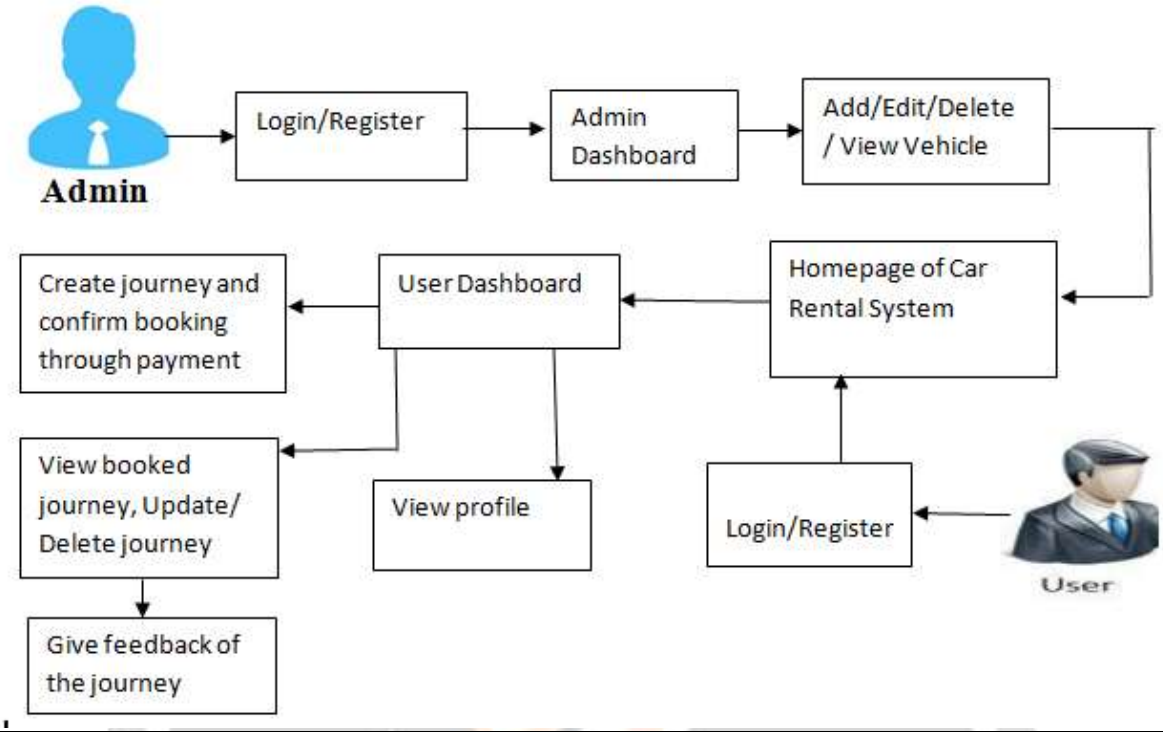

Fig -1: Architecture of Car Rental System

In this architecture, there are two modules, admin login and user login. The admin handles the provided vehicle with details like car name, fare, time and the administrator also has its dashboard through which they can view the user information, customer feedback and booking details. After the user first registers in the user module then login and the user can book the details to fill in and make a purchase by paying through online mode. In the second menu the user edits / deletes his trip but when they delete the booking, 10% will be charged for the booking and the remaining amount will be refunded and at the end of the trip the user can give feedback for the car rental services.

5. MODULE DESCRIPTION

1. **Admin Module:**
   - **a. Login**: The system is under supervision of admin who manages the bookings made.
   - **b. Add/ Edit/ Delete vehicle:** Admin adds vehicle with its all information.
   - **c. Add/ Edit/ Delete User :** The admin can manage all the users registered into the system.
   - **d. Dashboard:** Here the admin can view user details and booking deatils.
   - **e. Journey List Page:** The admin can view all the information of journey.
   - **f. Feedback:** In this module admin can view all the feedback sent by the use

2. **User Module:**
   - **a. Create Journey:** In this module we can book a vehicle by filling details such as Vehicle Name, Destination/ Pickup Point, Number of days/Hour, Confirm the booking via payment.
   - **b. My Journey :** User can view the confirmed booking of journey in this module.
   - **c. Add/ Edit/ Delete Journey:** In this module user can add multiple journeys, Edit existing journey or delete journey but when user deletes a existing journey we deduct 10% amount and 90% amount refunded into their account.
   - **d. My Profile** : User can view their profile.

e. Feedback: In this module user can give feedback to the admin.

6. REFERENCES

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