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**ONLINE CAR RENTAL SYSTEM**

**ABSTRACT:**

Our Aim is to design and create a data management system for a car rental company. Admin can rent a vehicle that can be used by a customer. By paying the money for a specified period of time. This system increases customer retention and simplifies vehicle and staff management in an efficient way.

This software car rental system has a very user-friendly interface. By using this system admin can manage their rental, payment, employment issues and vehicle issues such as insurance. The car information can be added to the system and existing car information can be edited or deleted by administrator. The transaction reports of the car rental system can be retrieved by the admin whenever it is required. Thus, there is no delay in the availability of any car information, whenever needed car information can be Captured very quickly and easily.

The customers can also use the system to rent cars. The customer should create a new account before logging in or they can log into the System with his/her account if it is already created Then customers can view the available cars in a branch and make a reservation for a Car. This system will be helpful to the admin as well as to the customer.

**EXISTING SYSTEM:**

In exiting system user (or) client will directly interact with the car owner and owner will decide whether the car is available or not. Then if it is available, he will give rent a car to the customer.

**Disadvantages of existing System:**

1. User should manually go and book the car.
2. Its time taking and expensive process.

**PROPOSED SYSTEM:**

In this car rental system, we are going to introduce online booking of car renting process available. So, the burden of the customer will be reduced. Our aim is to design and create a data management system for a car rental company. This enables admin can rent a vehicle that can be used by a customer. By paying the money for specified period of time. This system increases customer retention and simplifies vehicle and staff management in an efficient way.

* This software car rental system has a very user-friendly interface. Thus, the users will feel very easy to use it. By using this system admin can manage their rental, payment, employment issues and vehicle issues such as insurance. The car information can be added to the system by admin.
* Admin will decide the money for car rent. It is based on the period. Vehicle replacement is available if any problem that occurs to the vehicle.

**Advantages of Proposed System:**

1. Here user can directly interact through our system or application and the user can rent a car online so it ill takes less time.
2. It will be helpful to the car rental person. He can maintain his car schedules effectively and the system maintenance will be easy.

**Modules:**

**1. Authentication module:**

The user details should be verified against the details in the user tables and if it is valid user, then they should be entered into the system. once entered, based on the user’s access rights, different modules will be enabled / disabled. If users don’t have username and password then they have to register. In our application we have two types of users: administrator and user.

**2. Admin:**

Admin can login with username and password and he can add the vehicles. Admin will decide the money for car rent it’s based on the period. Vehicle replacement is available if any problem that occurs in the vehicle and he can collect the rent from the user. He can able to view the booked car details.

**3. User:**

The customers can also use the system to get a car for rent. If users want to book the car, they need authentication. The customer should create a new account before logging in or customer can log into the system with his/her created account. Then customers can view the available cars in a branch and make a reservation for a car and he/she can pay the amount through his credit card /debit card.

**Software Requirements:**

Operating System : Windows 10

Front end : HTML, CSS, JAVASCRIPT

Database : MYSQL

Backend : PHP

Web server : Apache

Web browser : Google chrome, Mozilla

**Hardware Requirements:**

Hard disk : 500GB

RAM : 4 GB

Processor : Pentium or Intel