**CAR RENTAL SYSTEM**

**ABSTRACT:**

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 during a Specified Period of time. This system increases customer retention and simplify 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 work on it. By using this system admin can manage their rental, payment, employment issues and vehicle issues such as and insurance. The car information can be added to the system. Or existed car information can be edited or deleted too by Administrator. The transaction reports of the car rental system can be retrieved by the admin, when its 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 get car rent. The customer should create a new account before logging in or he / she can log into the System with his/her created account. Then he/she can view the available cars in a branch and make a reservation for a Car. This system will helpful to the admin as well as to the customer also.

**EXISTING SYSTEM:**

In this 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. The main drawback of this system is customer need to meet the car owner .this is time waste process**.**

**Disadvantages of existing System:**

1. User should manually go and book the car.
2. It’s time taking process and cost also.
3. Doesn’t fulfill the client requirements fully.

**PROPOSED SYSTEM:**

In this car rental system we are going to introduce online booking of car rent will be available. So the Burdon 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 during a Specified Period of time. This system increases customer retention and simplify 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 work on it. By using this system admin can manage their rental, payment, employment issues and vehicle issues such as and insurance. The car information can be added to the system by admin.
* And admin will decide the money for car rent. it bases on the day. Vehicle replacement is available if any problem that occurs in the vehicle.

**Advantages of Proposed System:**

1. Here user can directly interact through our system or application and the user book a car through online so it ill takes less time.
2. It ill helpful to the car rental person also. so 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, they should be entered into the system, once entered, based on the user type access to the different modules to be enabled / disabled. If users don’t have username and password they should be Register. In our application we are having two types of users like administrator, 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 day. Vehicle replacement is available if any problem that occurs in the vehicle. And he can collect the rent from the user. He will pay the money for the owner. And 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 he / she can log into the System with his/her created account. Then he/she can view the available cars in a branch and make a reservation for a Car. And also directly he/she can pay the amount through his credit card details.

**Software Requirements:**

Operating System : Windows XP/2003 or Linux

User Interface : HTML, CSS

Client-side Scripting : JavaScript

Programming Language : Java

Web Technologies : Servest, JSP

Database : My SQL6

Database Connectivity : JDBC

Web Server : Tomcat 6 / 7

**Hardware Reqirements:**

Hard disk : 500GB

RAM : 4 GB

Processor : Pentium or Intel