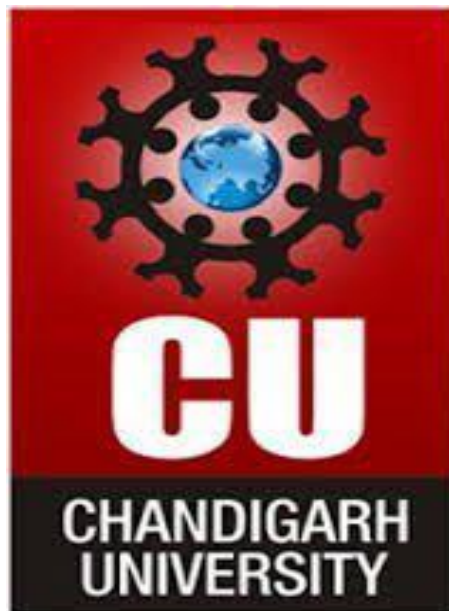


# **Project report**

## **OWNCAR(CAR RENTAL WEBSITE)**

Submitted in partial fulfillment of the requirements for the award of degree of  
**BACHELOR OF ENGINEERING**  
**IN**  
**COMPUTER SCIENCE & ENGINEERING**



**Submitted to:**  
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**Mentor signature**  
**(Name & E-code)**

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**  
**Chandigarh University, Gharuan**  
**July-December 2021**

## **CERTIFICATE**

This is to certify that the work embodied in this Project Report entitled **“OWNCAR (CAR RENTAL WEBSITE)**being submitted by **“Yash”, “Yatin”, “Prince”** - UID **“19BCS2553”** , **“19BCS2545”** , **“19BCS2515”** of 5<sup>th</sup> Semester for partial fulfilment of the requirement for the degree of **“ Bachelor of Engineering in Computer Science & Engineering ”** discipline in **“ Chandigarh University ”** during the academic session Jan-Jun 2021 is a record of bonafide piece of work, carried out by student under my supervision and guidance in the **“ Department of Computer Science & Engineering ”**, **Chandigarh University**.

**APPROVED & GUIDED BY:** Dr. Raman Chadha

## **DECLARATION**

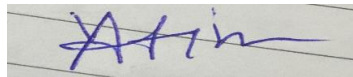
I, student of **Bachelor of Engineering in Computer Science & Engineering, 5<sup>th</sup> Semester** , session: **July - December 2021, Chandigarh University**, hereby declare that the work presented in this Project Report entitled **“OWNCAR (CAR RENTAL WEBSITE)”** is the outcome of my own work, is bonafide and correct to the best of my knowledge and this work has been carried out taking care of Engineering Ethics. The work presented does not infringe any patented work and has not been submitted to any other university or anywhere else for the award of any degree or any professional diploma .

**Student details and Signature:**

**Team Member 1: Yash(19BCS2553)**



**Team Member 2: Yatin(19BCS2545)**



**Team Member 3: Prince(19BCS2515)**



**APPROVED & GUIDED BY:**

**Dr. Raman Chadha**

To our parents, teachers and all the well-wishers out there . .

## **Abstract**

This Car Rental System project is designed to aid the car rental company to enable renting of cars through an online system. It helps the users to search for available cars view profile and book the cars for the time period. It has a user-friendly interface which helps the user to check for cars and rent them for the period specified. They could also make payment online. The rental cars shall be categorized into economy, premium etc. Based on the type of car required by the customer, the user shall be able to make bookings. The use of internet technology has made it easy for the customers to rent a car any time. This Car Rental System makes the bookings easy. It saves time and labor. The tool shall ask the user for information such as the date and time of journey, type of car etc. Also, it will need an identification number. Using these details, the tool shall help the customer to book a car for the journey.

Car Rental System service will help users to book a car for some fee specified. Till now there was no clear web based UI to help the users to rent the vehicle. They had to manually rent the vehicle through their offices. It was a difficult task to manage rental vehicles. Keeping track of all the rental cars was a problem.

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# **Project Description**



## Objectives of the project:

This project is designed to aid the car rental company to enable renting of cars through an online system. It helps the users to search for available cars view profile and book the cars for the time period. It has a user-friendly interface which helps the user to check for cars and rent them for the period specified. They could also make payment online. The rental cars shall be categorized into economy, premium etc. Based on the type of car required by the customer, the user shall be able to make bookings. The use of internet technology has made it easy for the customers to rent a car any time. This system makes the bookings easy. It saves time and labour. The tool shall ask the user for information such as the date and time of journey, type of car etc. Also, it will need an identification number. Using these details, the tool shall help the customer to book a car for the journey.

## Existing System:

Car rental service will help users to book a car for some fee specified. Till now there was no clear web based UI to help the users to rent the vehicle. They had to manually rent the vehicle through their offices. It was a difficult task to manage rental vehicles. Keeping track of all the rental cars was a problem.

## Proposed System:

This tool will enable the user to rent a vehicle. The user shall login to the system and check for availability of cars. The user specifies a type of car and the journey date and time. The system shall check for the availability of the car and rent the car to the customer. The user can make payment online. The tool is designed using VB.net. All the data regarding the rental cars are stored in MySQL database. The user has to enter his name, address, phone details and check for the cars available for rent. The UI is very simple and the connectivity to backend is robust. The main advantage is that the user shall be able to choose a car depending on his budget.

## System Specifications:

### Modules:

Car Rental: This module shall have the data details regarding different type of cars and their booking dates, time etc. User: This module shall have the details of the user like name address, phone number etc.

## Hardware configuration

Processor Pentium III 866 MHz

RAM 128 MD SD EAM

Monitor 15 inchcolor

Hard disk 20 GB

Floppy drive 1.44 MB

CD drive LG 52X

Key board Standard 102 keys

Mouse 3 buttons

## Software configuration

Operating system Windows XP Professional

Environment Visual studio NET 2005 4.6

Language VB.net

Backend MySQL

Technologies used

☐ VB.net

☐ MySQL

**Menu**

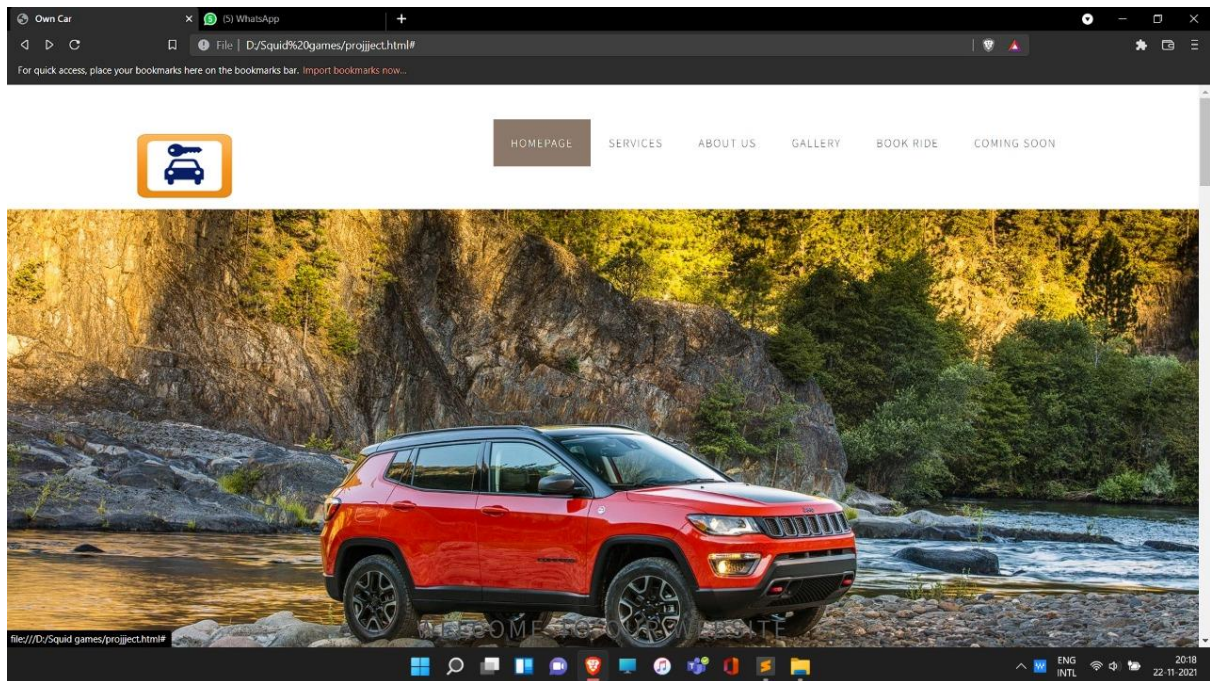


Fig. 1.1 (home page view of OWNCAR )

Above is the picture of the home page of the website. How will it look when we visit first.

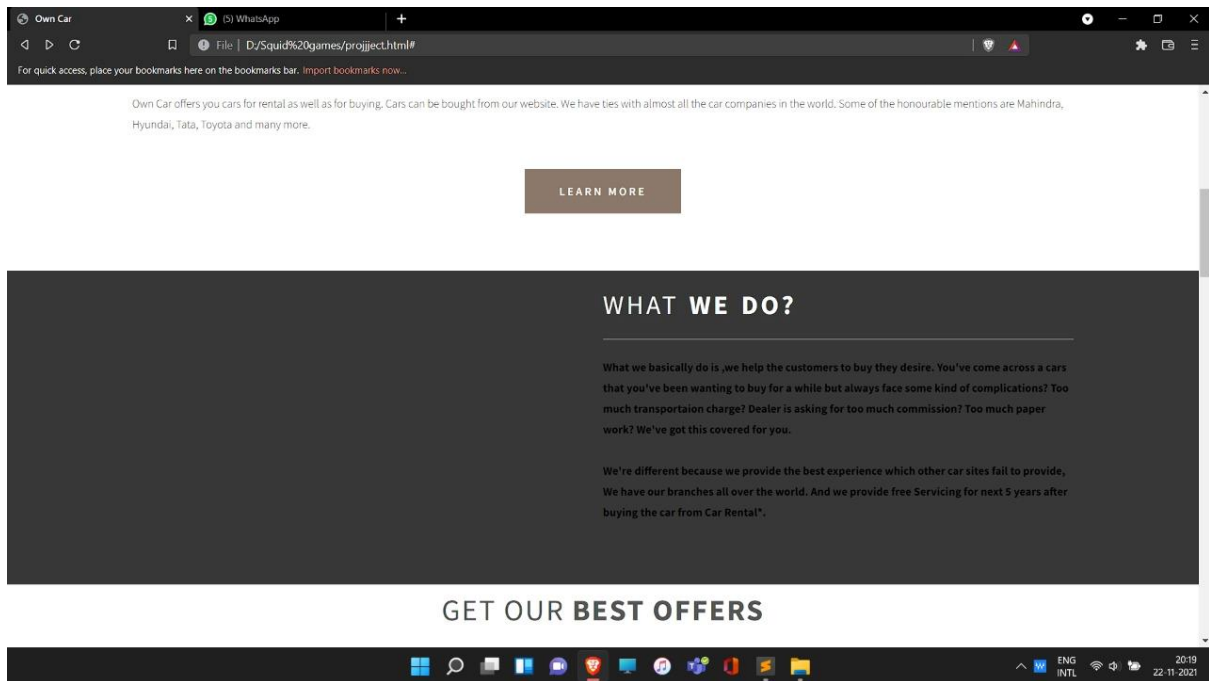


Fig. 1.2 (options available in OWNCAR)

Above is the picture of all the categories available in the website (it may change according to time and progress).

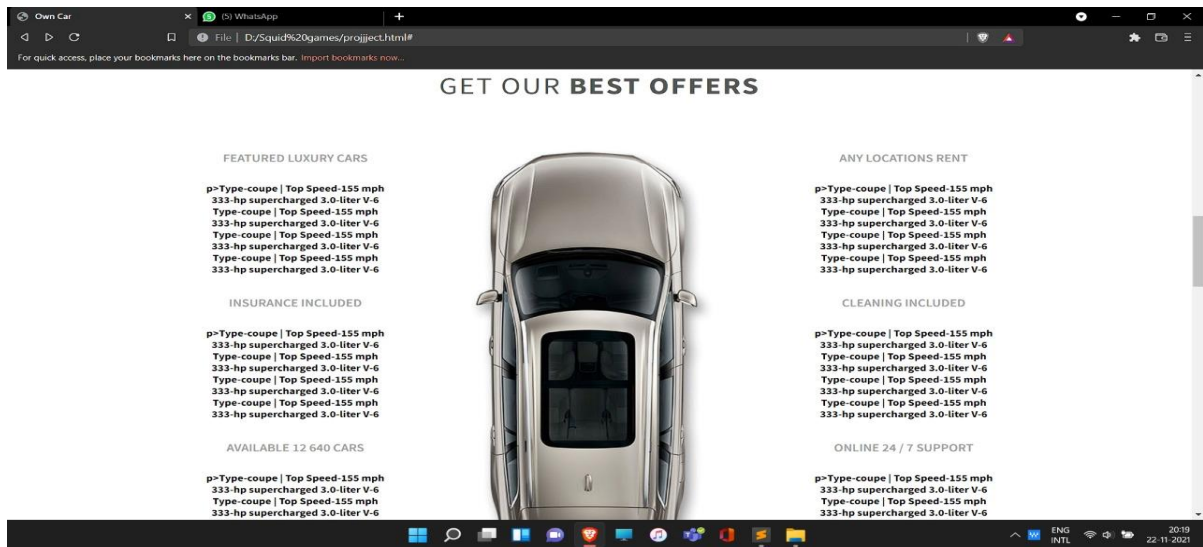


Fig. 1.3 (Features of OWNCAR)

Above is the picture of “OWNCAR”. Demonstrating the features of the website.

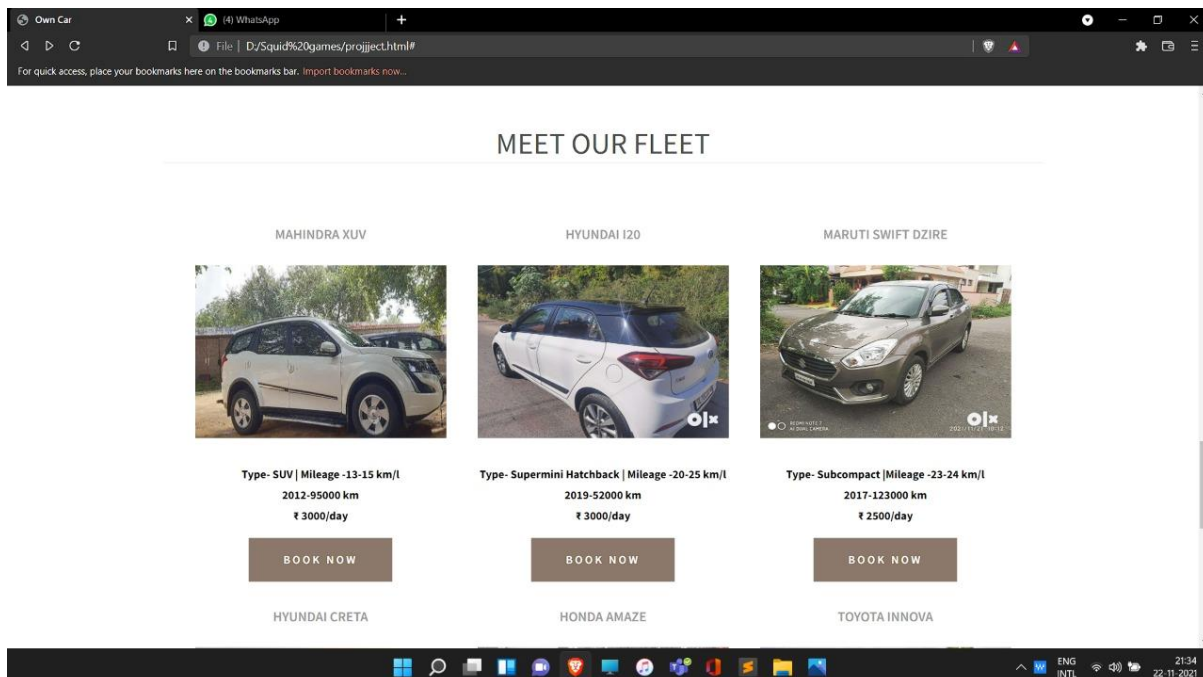


Fig. 1.4

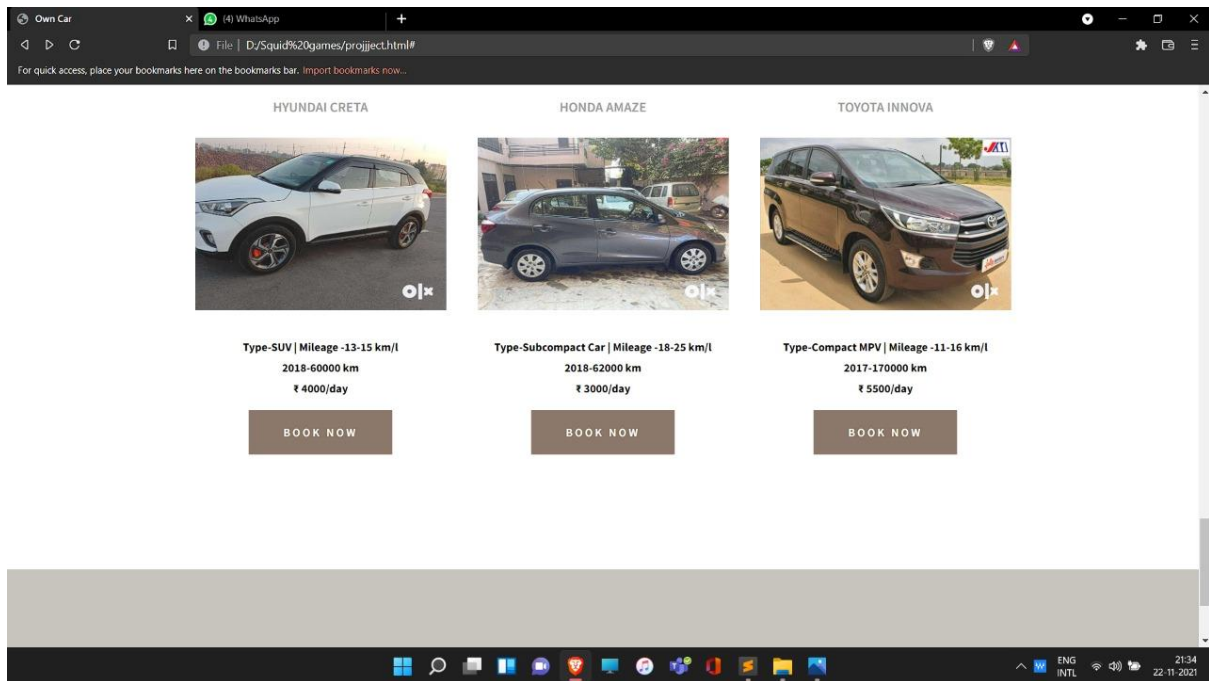


Fig. 1.5

Fig. 1.4 & Fig. 1.5 shows available cars

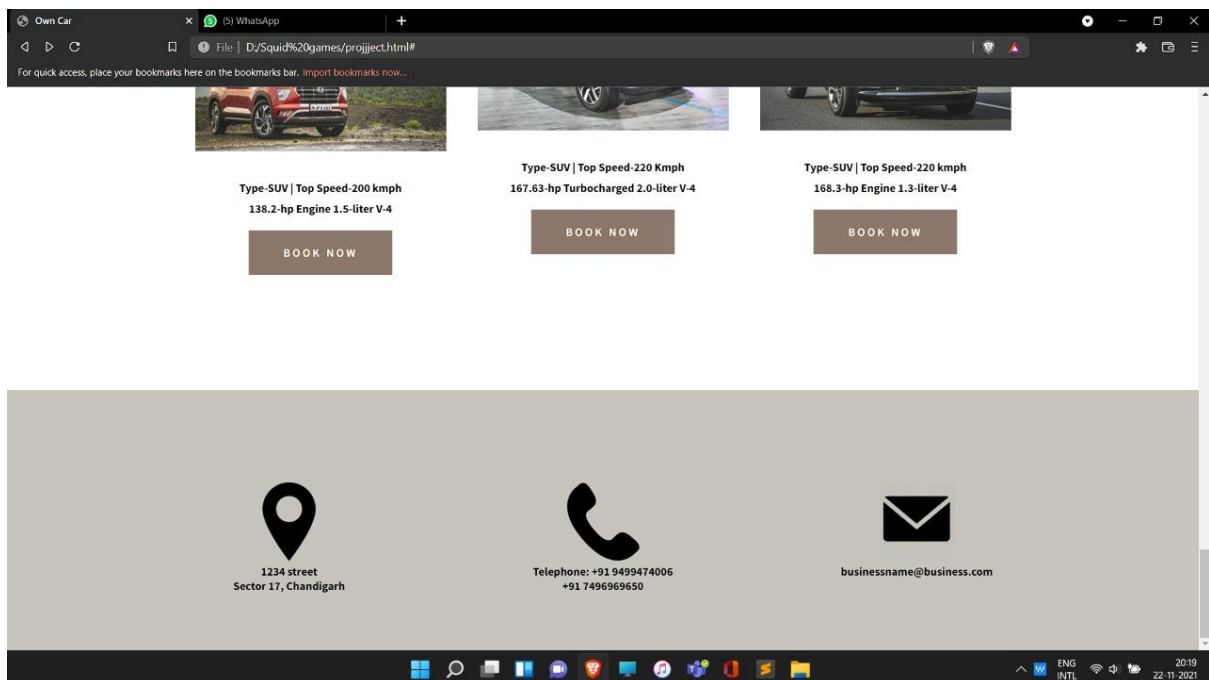


Fig. 1.6 (Help centre)

It is showing customer care service available on our website. It includes location of our office, Telephone number as well as email id for connecting with us.

## **Feasibility study**

As we know feasibility study determines whether the project is likely to succeed in the first place. Car Rental System service will help users to book a car for some fee specified. Till now there was no clear web based UI to help the users to rent the vehicle. They had to manually rent the vehicle through their offices. It was a difficult task to manage rental vehicles. Keeping track of all the rental cars was a problem. This Car Rental System project will enable the user to rent a vehicle. The user shall login to the system and check for availability of cars. The user specifies a type of car and the journey date and time. The Car Rental System shall check for the availability of the car and rent the car to the customer. The user can make payment online. The tool is designed using VB.net. All the data regarding the rental cars are stored in MySQL database. The user has to enter his name, address, phone details and check for the cars available for rent. The UI is very simple and the connectivity to back end is robust. The main advantage is that the user shall be able to choose a car depending on his budget.

## **Need of the project**

### **EXISTING SYSTEM:**

- An existing system can provide manually paper work.
- The user has to go in the office where user can get the car on rent and book their car.
- In the existing system you can not provide feedback of the user to the admin online.

### **NEED FOR NEW SYSTEM:**

- The new system is totally computerized system.
- A new system provides features like time efficiency to show car details, user profiles and whatever the customer will give the feedback to the admin.
- This system provides tourism and travelling facilities.
- An inquiry is easily done by user in the system.
- It is the most software application for managing online car rental business.

## **Significance of the project**

“OWNCAR” is a user friendly website which is easily operated by person of any age group. It allows an individual person to earn money by providing their car according to their will and to the consumer . It acts as a medium between provider and the customer to rent a car of their own choice This front end of this website is designed only in HTML and CSS

## **Methodology/planning of work**

First of all, we need to understand the concept behind the car rental website. To achieve the objective of the project we need to install all the extensions, google languages, js modules etc. needed in the project. And divide all the work in the priority basis to work accordingly and efficiently to complete the modules on time.



The methodology of this project is following:

- Understand the concept of existing car rental websites like zoom cars , cars24 etc. and how their algorithm work.
- Write the project proposal and synopsis of the project.
- Study all the attributes, classes, slider concept, and css properly.
- Install all the extensions needed to run the code like Live server extension, html extension etc.
- Establish work environment for the language.
- Create the code for the project of the work and run it on SUBLIME TEXT.
- See if the code has any errors and it's according to your requirement or not.
- Run all the code with all the HTML, CSS and JavaScript files needed.
- Write the summary of the project.

## **Innovations in Project**

- Car rental website for a locality.
- User friendly interface
- People are able to get the desired car in just one click.
- Minimum rental charges applicable.
- Can use it anytime, anywhere.

## **Specifications**

- Software requirements -
  - OS ( Windows or Linux)
  - Written in Sublime text
- Hardware requirements -
  - RAM: 512 MB
  - Disk Space: 1gb
  - CPU: Pentium 2 processor
  - Processor Speed: 1ghz
  - Platform: 32-bit / 64-bit machine

- Laptop or personal computer

[9]

## **Project design**

First of all, we need to understand the concept behind the car rental website. To achieve the objective of the project we need to install all the extensions, google fonts, JS modules etc. needed in the project. And divide all the work in the priority basis to work accordingly and efficiently to complete the modules on time.

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## SYSTEM FLOWCHART

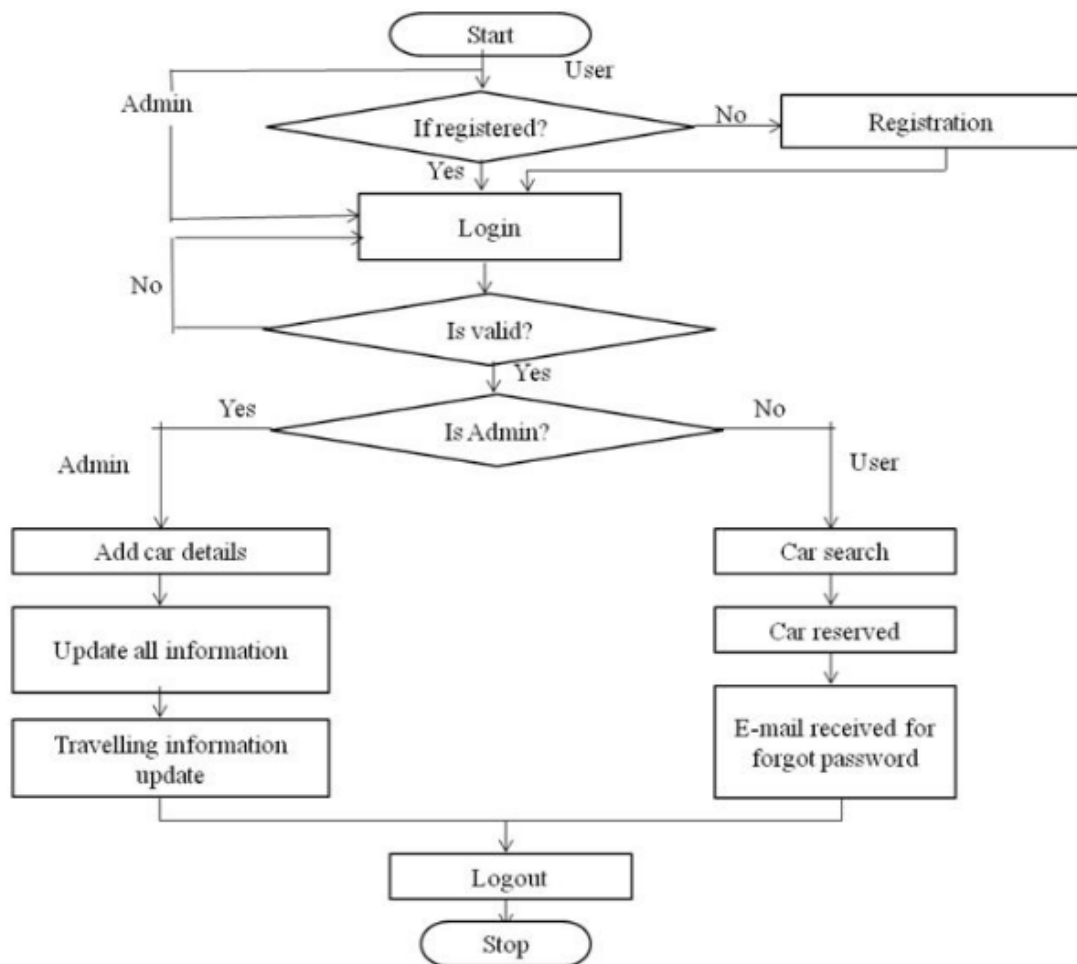


Fig: 2.1 (System flowchart)

## E-R DIAGRAM

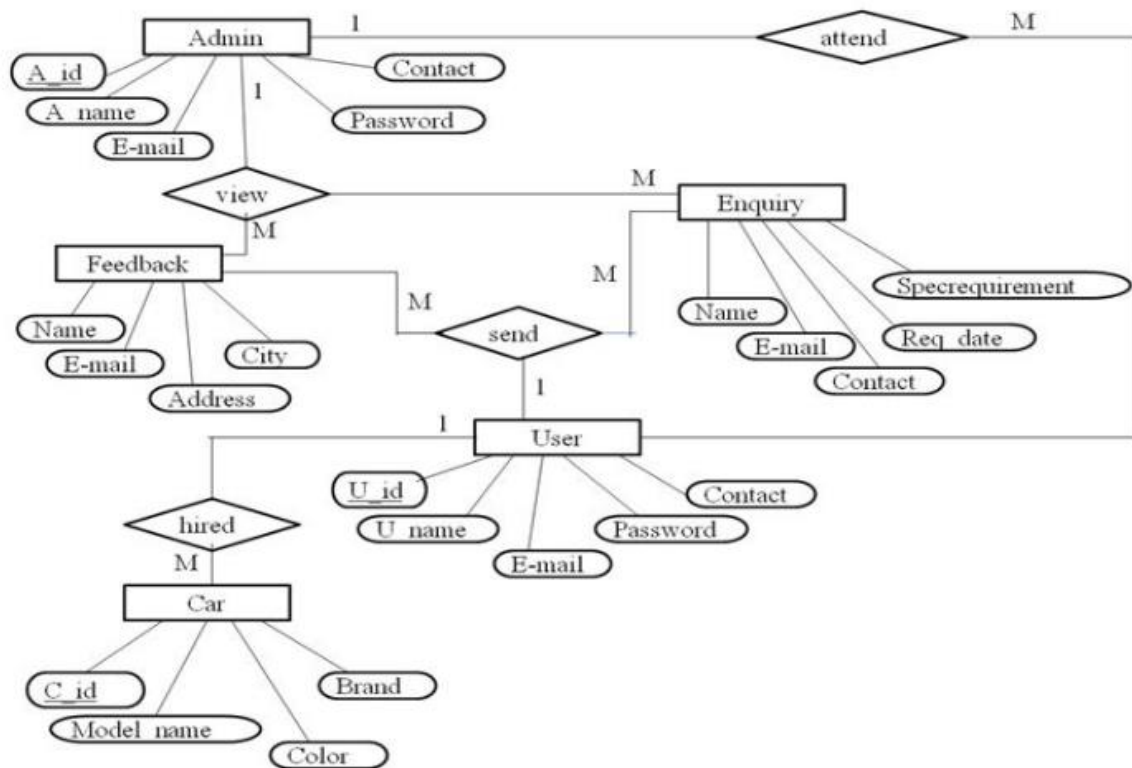


Fig: 2.2 (E-Rdiagram)

## USECASE DIAGRAM

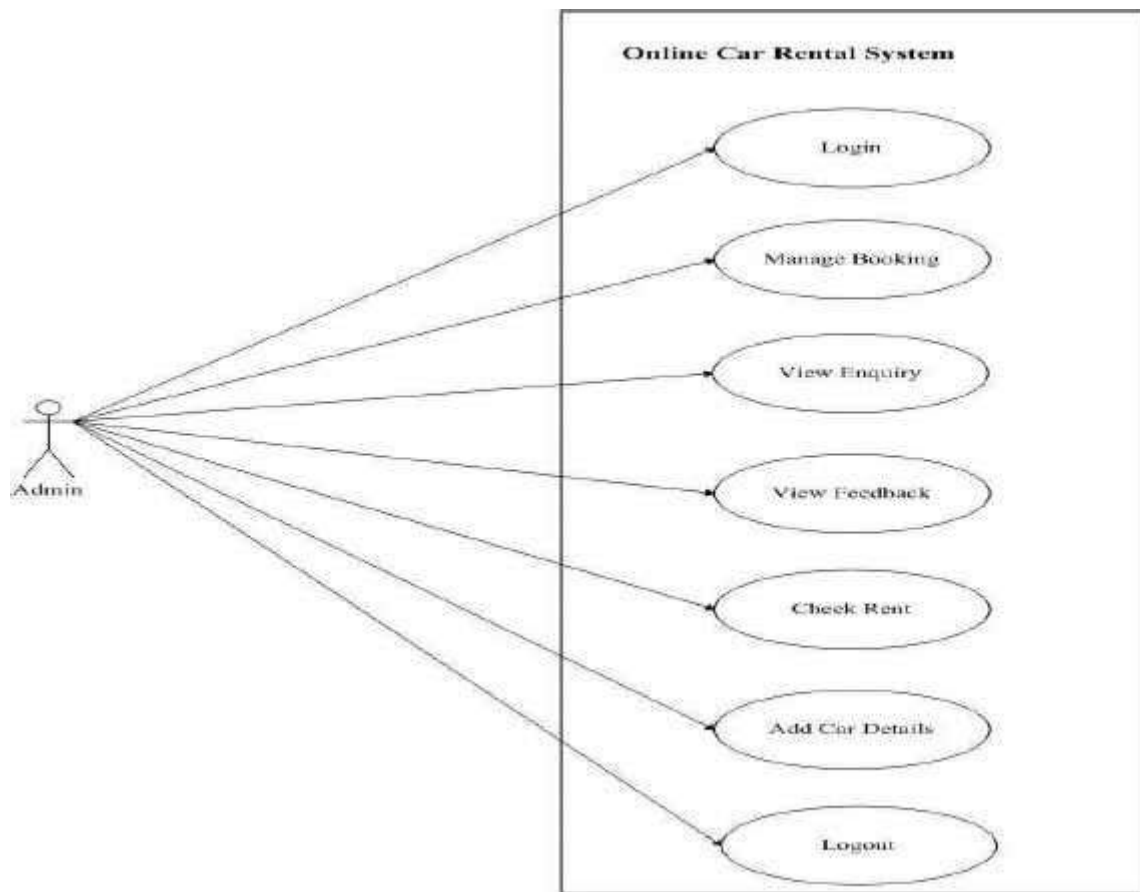


Fig. 2.3- (USECASE DIAGRAM)

### **Conclusion**

The conclusion of this project is that “OWNCAR” a car rental website Car Rental System service will help users to book a car for some fee specified. Till now there was no clear web based UI to help the users to rent the vehicle. They had to manually rent the vehicle through their offices. It was a difficult task to manage rental vehicles. Keeping track of all the rental cars was a problem. This Car Rental System project will enable the user to rent a vehicle. The user shall login to the system and check for availability of cars. The user specifies a type of car and the journey date and time. The Car Rental System shall check for the availability of the car and rent the car to the customer. The user can make payment online. The tool is designed using VB.net. All the data regarding the rental cars are stored in MySQL database. The user has to enter his name, address, phone details and check for the cars available for rent. The UI is very

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