

**Synopsis of Car Sharing Website**

**MCA**

**Section - 5 (C)**

**Group – (G1)**

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**Abstract**

The purpose of the Car Sharing Website is to automate the existing manual system by the help of current computerized systems and software’s filling all the requirements of a manual system while making it more reliable, easy to handle, store and manage all the valuable information for a longer period of time. The software and hardware required to use the car sharing website is easily available and easy to use and work with.

The Car Sharing Website can help in building a secure, error free, reliable and easily manageable system. This system will help the organization in utilizing the resources in a better way by eliminating the need of keeping the records manually and save time as finding a record in the older system was very difficult and time consuming. In the new system we can find the records by niche in a single click.

The aim of the website is to automate the existing manual system with the help of latest technology available so that the organization can provide hassle free and fast services to its clients.

**Introduction**

The Car Sharing Website has been developed to override the human error which found in the manual systems. The website is designed to reduce the workload of the employees and help them in the smooth functioning of the organization. The website help in eliminating the error by certain validations before accepting the data and storing it into the database. The problems faced by the organization in organizing the data like Customer information, Car data, Bookings, Source, Destination and the customer or user history are now automatically organized and easily managed. The website is so simple to use that the clients does not require any prior knowledge to use it thus making it user friendly.

**Objective**

The main objective of the project Car Sharing Website is to manage the details of Car, Customer, Share, Booking, Source, Destination, pricing etc. The project is built at administrative end and only the administrator is allowed to access. In the older system the client who wants to hire a taxi was required to go to a taxi stand in order to book a taxi for his desired date of travel. There could be scenario where there is no taxi available on the date which the client wants to travel resulting in unnecessary back and forth to the taxi stand. The purpose of the project is to reduce the manual work which comes into play while organizing the above-mentioned details and also provide the client with a website where they can easily find a car to travel in from the ease of sitting in their homes on their desired date at a much lesser cost. And also the user can post details of his ride so that other users could see his ride and could travel along.

The system will also provide an easy access to the information collected in the past which can be used for further research and development in order to improve the functionality of the website based on past reviews.

**Hardware and Software Requirements**

**Hardware requirement specifications:**

* Core i3 processor or higher
* Hard disk of 250 GB capacity or more
* 4GB RAM or more
* Standard output display (GUI)

**Software requirement specifications:**

* OS: Windows 10
* Visual Studio 2019
* MS SQL Server 2019
* Google Chrome
* Microsoft Office 2016
* ASP.NET 4.5

**Problem Statement**

Car Sharing Website is used to manage the details of cars, users and provide a platform for the users to easily find a car for travelling on sharing basis. Basically, it will store the information regarding the cars available on different dates travelling to different destinations and the cost of travelling. Then this information will be displayed on the website which could be easily seen by the users. Each user can post rides and also can see the available rides.

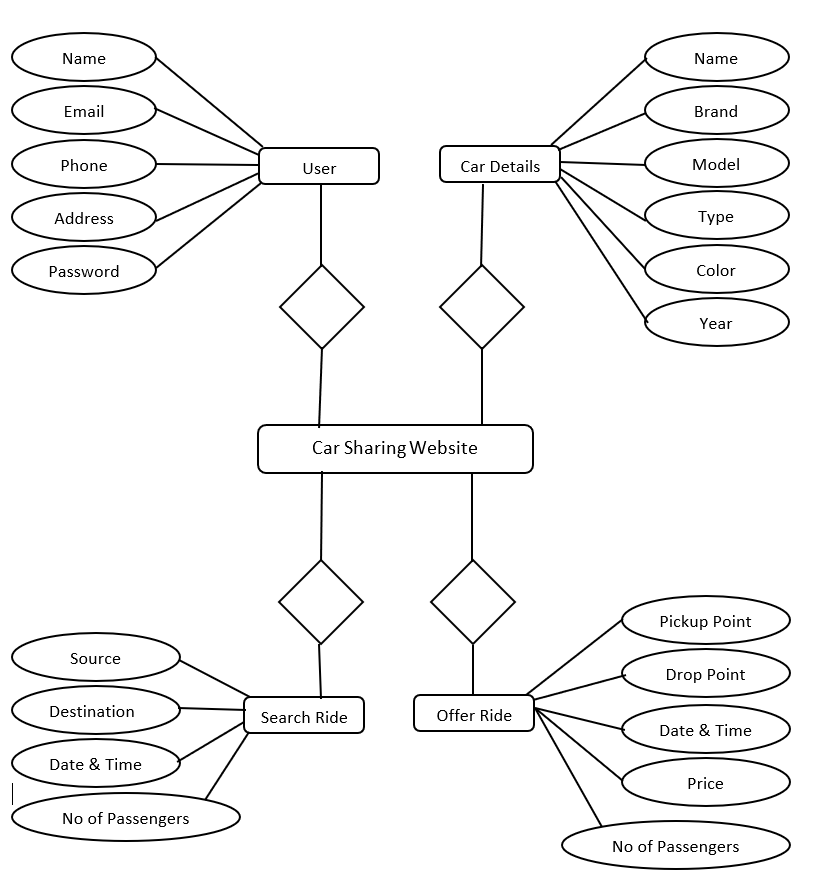
**Existing Systems**

The older system has many drawbacks as every part was being managed manually which included human errors time to time making the whole system less reliable. Every process which included managing, storing and retrieving the data were being done by humans which as compared to todays computers are much slower. It was very difficult to find errors while entering the data manually and once the data was entered it was not possible to update the records. It was also very difficult to find a record related to some specific scenario. If a piece of information was required from the manually stored data, we had to go through several registers and then pages to find the data which result in unnecessary consumption of valuable time.

**Proposed System**

After detailed study of the existing system, it is evident that it does not ease the work of neither the organization nor the user. The proposed system is designed in such a way it helps the organization in storing, managing, and easily retrieving the data received from the users and also provide the user a website where they can access all the rides available and also post their rides for other users to see and travel along on particular date from comfort of their home.

**ER-Diagram**

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