**Car Rental System**

**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.

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 tool is designed using React and all the data regarding the rental cars are stored in Mongodb database. The user has to enter his name, address, phone details and check for the cars available for rent. 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.

Software configuration

Operating system Windows 10

Environment Visual Studio Code

Language JavaScript

Backend Mongodb

Technologies used

* React.js
* Node.js
* Express.js
* Mongodb