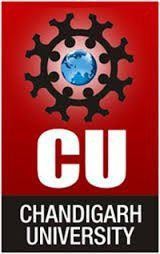
Car Rental System

Submitted in partial fulfillment of the requirements for the award of degree of

## BACHELOR OF ENGINEERING IN

**COMPUTER SCIENCE & ENGINEERING**



# Submitted to:-

# Submitted By:-

**DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING**

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# Introduction:-

This project is designed so as to be used by Car Rental Company specializing in renting cars to customers. It is an online system through which customers can view available cars, register, view profile and book car.

The car rental is being developed for customers o that they can book their vehicles from any part of the world. This application takes information from the customers through filling their details. A customer being registered in the website has the facility to book a vehicle which he requires.

The proposed system is completely integrated online systems. This automated system facilitates customer and provides to fill up the details according to their requirements. It includes type of vehicle they are trying to hire and location. The purpose of this system is to develop a website for the people who can book their vehicles along with requirements from any part of the world.

#### Aims & Objectives:-

* To produce a web-based system that allow customer to register and reserve car online and for the company to effectively manage their car rental business.
* To ease customer’s task whenever they need to rent a car.

#### Scope:-

This project traverses a lot of areas ranging from business concept to computing field, and required to perform several researches to be able to achieve the project objectives. The area covers include:

* Car rental industry: This includes study on how the car rental business is being done, process involved and opportunity that exist for improvement.
* PHP Technology used for the development of the application.
* General customers as well as the company’s staff will be able to use the system effectively.
* Web-platform means that the system will be available for access 24/7 except when there is a temporary server issue which is expected to be minimal.

#### Functional Requirements

Requirement analysis is a software engineering technique that is composed of the various tasks that determine the needs or conditions that are to be met for a new or altered product, taking into consideration the possible conflicting requirements of the various users.

Functional requirements are those requirements that are used to illustrate the internal working nature of the system, the description of the system, and explanation of each subsystem. It consists of what task the system should perform, the processes involved, which data should the system holds and the interfaces with the user. The functional requirements identified are:

1. Customer’s registration: The system should allow new users to register online and generate membership card.
2. Online reservation of cars: Customers should be able to use the system to make booking and online reservation.
3. Automatic update to database once reservation is made or new customer registered: Whenever there’s new reservation or new registration, the system should be able update the database without any additional efforts from the admin.
4. Feedbacks to customers: It should provide means for customers to leave feedback.

#### Non-Functional Requirements

It describes aspects of the system that are concerned with how the system provides the functional requirements. They are:

1. Security**:** The subsystem should provide a high level of security and integrity of the data held by the system, only authorized personnel of the company can gain access to the company’s secured page on the system; and only users with valid password and username can login to view user’s page.
2. Performance and Response time: The system should have high performance rate when executing user’s input and should be able to provide feedback or response within a short time span usually 50 seconds for highly complicated task and 20 to 25 seconds for less complicated task.
3. Error handling: Error should be considerably minimized and an appropriate error message that guides the user to recover from an error should be provided. Validation of user’s input is highly essential. Also the standard time taken to recover from an error should be 15 to 20 seconds.
4. Availability: This system should always be available for access at 24 hours, 7 days a week. Also in the occurrence of any major system malfunctioning, the system should be available in 1 to 2 working days, so that the business process is not severely affected.
5. Ease of use: Considered the level of knowledge possessed by the users of this system, a simple but quality user interface should be developed to make it easy to understand and required less training.

**Specific Requirements**

**3.10.1 Hardware Required**

* Micro-processor
* RAM(Random Access Memory)
* Hard Disk
* Internet Enabled Computer

**3.10.2 Software Required**

* Operating System: Windows 7
* PHP7, XAMPP, Notepad++
* Web browser: Google Chrome

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