**AIR UNIVERSITY MULTAN CAMPUS**

**PROJECT PROPOSAL**

**Car Renting Management System (CRMS)**

**GROUP 4**

**161108 M. HASSAN ASKARI**

**161111 M. ABDULLAH**

**161123 HAFIZ HAMMAD ULLAH**

**161125 NAUMAN SALEEM**

**Car Renting Management System (CRMS)**

**Purpose:**

This Project is about creating a Car Renting Management System for a car renting business. This system will be a web based application and consist of two parts. The first part of the system will provide with a portal where customers can log in to the system and search for desired vehicle and reserve them for renting. The second part of the system will allow the business to update details about new vehicles, payment details and other details easily. The system will collect renting details from the customer and provide them the basic cost of the transaction and confirmation of the request. Business side users can update and renew details about vehicles and payments etc. The system will provide an updated view. The system will create reports of total reservation in a time period, number of times a vehicle reserved and details about reservation of each vehicle.

**Objectives:**

The objective of this project is to

* Design and implement a web based application for online reservation of car from a car renting business.
* Provide an easy platform for people who are renting cars, where they can easily search and reserve their car online.
* Automation of current business process which was handled manually collecting details through telecommunication.

**Need:**

Most of the car renting business of Pakistan doesn’t have an online reservation system for their business although the systems are not user friendly. Unable to directly search for the vehicle, the users can not view vehicles availability without entering a reservation request. This application will provide them with a full featured system including above functionalities yet very easy to manage. Also it is easy to upgrade the system in the case of business expansion. It also creates reports of transactions.

There are systems for car renting systems but they don’t provide easy search mechanisms for the customer and availability of vehicles can’t be viewed prior to the booking. Also the upgrade of existing systems will take unnecessarily long time in the case of expanding of the vehicle.

**Roles:**

**System administrator:**

* The system will provide a separate login to the system administrator.
* Any modification to the system will be handled by this user.
* Add new vehicles and update vehicle details.
* Add new vehicle category.
* Create Management user

**Management User:**

* There will be a separate login for Management user. Details and logs about the business are visible to this user.
* View total reservations happened during a time period (for all vehicles / for a selected vehicle category / for a selected vehicle)
* View mostly required vehicle types

**Customer:**

* Create a profile including basic information
* Search for the desired car view details
* View availability of the car
* Reserve the suitable car
* View basic cost details of the transaction
* Leave comments about the service provided

In the case of vehicles not available the system will send out a text message to the customers when their required vehicle is available for renting deliverables.

A web based software system for customers to search, view and reserve car for renting and for business to manage and update the details and view business related reports.

**Technology:**

Core Framework to develop the web based system, Server side coding using PHPClient, side coding using JAVASCRIPT, HTML and MySQL for database.