



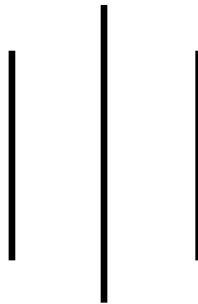
LA GRANDEE INTERNATIONAL COLLEGE

Simalchaur, Pokhara Nepal

A Project Proposal

On

“Car Rental System”



Submitted to:

Bachelor of Computer Application (BCA) Program

In partial fulfilment of the requirements for the degree of BCA under

Pokhara University

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ABSTRACT

A car rental system is a desktop application that enables users to add, edit, remove, and book cars. A car rental system is designed to manage the rental of vehicles to customers. The purpose of developing a desktop car rental system in VB.NET is to create a software application that helps car rental companies efficiently manage their operations, provide better customer service, and streamline their business processes.

TABLE OF CONTENTS

ABSTRACT.....	ii
List of Figures	iv
1. Introduction	1
2. Problem Statement	2
3. Objectives	3
4. Requirement Analysis	4
4.1 Functional Requirements	5
4.2 Non-Functional Requirements	5
5. Methodology	6
6. Data Flow Diagram	7
7. Project Gantt Chart/ Timeline Chart	8
8. Deliverables.....	9
9. Conclusion.....	10

List of Figures

1. Introduction

Now days, almost human life becomes more and more easier. It is possible only because of the technology. Various systems make the life of human very comfortable. The car rental service system is being developed for customer's that they can book their vehicles from this system. This application takes information from customers through filling their details. Customer being registered in the system has the facility to book vehicles which they requires.

The proposed system is completely desktop based systems. It's a manual procedure in an effective way. The automated system facilitate customers and provide to fill up their details according to their requirements. The purpose of this system is to develop a desktop based system application for the person who wants to book the vehicles along with their requirements. The main aim of this project is to book vehicles for rent through this system service and maintaining database containing information about the user who have filled their details while registration. This system facilitates the customer to fill up the details and give brief description to the vehicle they want.

This project is developed using VB.NET. Here at first user has to pass through login system to get access then, the user can add, view, edit, remove and book cars. While adding cars, the user has to enter plate number, car id, car name, color and rent price per day. The user can also add customers and admin. All the bookings, as well as booking details can be managed through this system and it is not time consuming.

Car rental services have become an integral part of modern transportation solutions. Whether it's for personal travel, business trips, or special occasions, people often rely on rental vehicles for their mobility needs. This project aims to provide a comprehensive, efficient, and user-friendly solution for both customers and rental agencies.

2. Problem Statement

Our aim is to develop a desktop application for the user's in which a user can add, edit, delete and view the car details.

- Time consuming
- Increased errors and mistakes
- Difficulty in maintaining reports
- Difficulty in modifying information

To improve the existing system and reduce the manual system of recording information, we are proposing a new project called Car rental System. This system will be a solution to these problems.

3. Objectives

- To develop a user-friendly interface that allows customers to quickly and easily book and reserve rental vehicles.
- To store the detail information of car so that it can be accessed in any time.
- To maintain the database containing information about the users who have filled their details while registration.
- To automate vehicle rental and reservation so that clients don't have to waste time calling and waiting for a vehicle.

4. Requirement Analysis

4.1 Functional Requirements

Functional requirements is the description of the services that the system should provide to the user. Some functional requirements are:

- Users Login: - For log in people must have verified account.
- Add car: The user can enter new car information in the add new car section.
- Edit contact: The user can edit/update the car information in the edit section.
- Delete contact: The user can delete their car information using the delete car option.
- Admin Login: -Admin can enter the user name and password to get access of the application.

4.2 Non-Functional Requirements

Non-Functional requirements are set of specifications that describe the system's operation capabilities and constraints and attempt to improve its functionality. Some non-functional requirements are:

- Usability: - The system should provide easy access to the users without any barriers and should be able to support multiple languages.
- Portability: - The system should be able use on different platforms without change in its behaviour or performance.
- Security: - The system should be secured and it should not show customer's name, password and their other data to any other users.

5. Methodology

6. Data Flow Diagram

7. Project Gantt Chart/ Timeline Chart

8. Deliverables

When we develop a software application we face many problems by maintaining the features of it properly but the system can't be perfect there may be some problems but after developing the software we always expect a better output. Similarly, by making this car rental system we expect the output equal as the hard work put in it.

With the completion of the project, we will obtain a system where we can add, delete, edit, store and update car information.

Documentation and manuals:

A detailed information from the starting of the making system to the end of the system will be created as a document. Similarly, a guide manual will also be created and provided to users so if they encounter any problems they can search about that on their own.

System Design:

Data flow diagrams are also created which help us to know how exactly the system is designed and how it will function. It will also shows how the system is designed.

Codes:

Similarly, we will create codes using vb.net that will run the system.

9. Conclusion

This project will improve the management of rentals and booking of cars. This system is developed in order to overcome the problems faced using the manual way. It acts as agent for car owners to rent out their car and the company can also earn profit from each of the transaction.