

Bahria University

Karachi Campus



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Discovering Knowledge

COURSE: CSL-220 DATABASE MANAGEMENT SYSTEM LAB
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DBMS Project Report

Project Name: **Car Rental System**

Submitted To:

Engr. Sidra Mudassar

Signed

Remarks:

ACKNOWLEDGEMENT

I would like thank to all those who are involved in this endeavor for their kind cooperation for its successful completion. At the outset, I wish to express my sincere gratitude to all those people who have helped me to complete this project in an efficient manner.

I would like to thank **Engr. Naveera Sami** for making us understand with actual context of programming I would like to Thank **Engr. Sidra Mudassar** for Implementation of the program we understand in our My SQL Programming classes.

However, **Car Rental System** may seem too simple to the user but it have lots of complexities which only computer programmer can understand.

ABSTRACT

Car Rental System is a small project built using Java (Net beans) and SQL Server Management Studio. It is used to store, administer and manage all aspects of passengers. It includes Car registration, customer and Rental. Admin can access through admin panel and check the statistics. In short car rental system satisfies both admin and passengers by the accessing capability of short interval of time.

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1. INTRODUCTION

The main aim of the project is the management of the database through SQL Management Studio and Java (Net beans) is of the Car Rental Outlets. This project is insight into the design and implementation of a car rental management. This is done by creating a database from SQL. The primary aim of car rental system is to improve accuracy and enhance safety and efficiency in the automobile management. The aim of this project is to develop software for the effective management in a car showroom. We have developed this software for ensuring effective policing by providing statistics in stock.

2. ANALYSIS

2.1.OBJECTIVE:

PRIMARY OBJECTIVE:

- To gain practical experience by demonstrating a software based on real world problem.
- To recognize how to effort on Front-end (Java) and Back-end (MySQL) by using server (SSMS).

SECONDARY OBJECTIVE:

- To develop an application that deals with the everyday requirement of any car rental shop.
- To provide details information about the stock on details necessary and help locate it in shop.
- To develop the easy management of the car and statistics belonging to the car rental system.
- To handle the inventory details like rent details, client details and stock.
- To provide a better advantage to the car shops especially car showrooms.
- To make the stock manageable and simplify the use of inventory in the Car rental shop.

3. HARWARE AND SOFTWARE REQUIREMENT:

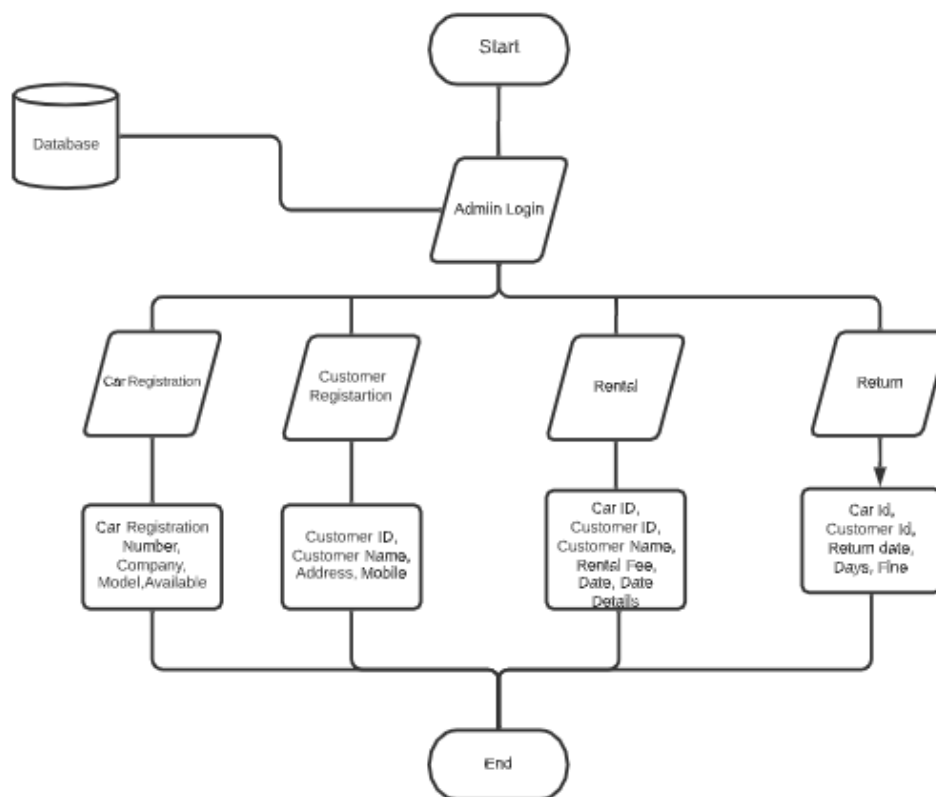
HARDWARE REQUIREMENTS:

- I. Computer with either Intel Pentium processor or AMD processor.
- II. 1GB+ DDR RAM
- III. 40GB Hard Disk Drive

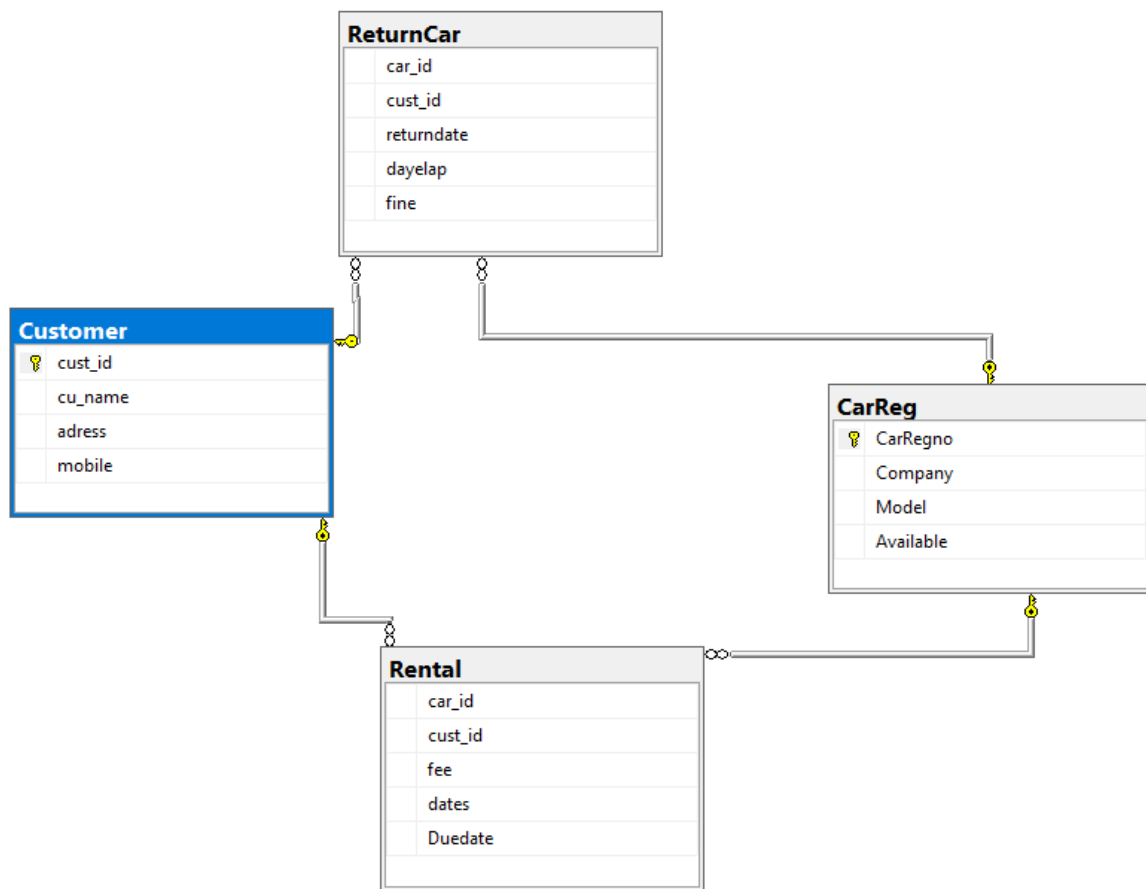
SOFTWARE REQUIREMENTS:

- I. Windows, Mac Operating System or Linux Operating System.
- II. Java Runtime Environment and Java Development Kit.
- III. Java Net beans.
- IV. SQL Server Management Studio.
- V. SQL Server Express Edition.

4. WORKFLOW:



5. ER DIAGRAM :



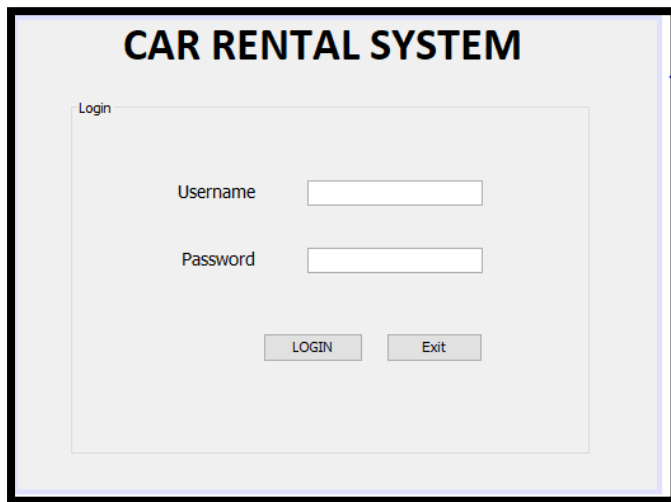
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6. OVERVIEW OF PROJECT:

This program can be used in any car rental shops having a database to maintain. The software used can generate reports, as per the user's requirements. The software can print invoices, bills, receipts etc. It can also maintain the record of vehicles sent in by the supplier. Here, the admin who are handling the organization will be responsible to manage the record. Car Registration is used for the registration of vehicle, whereas customer and rental and return is used for the transaction.

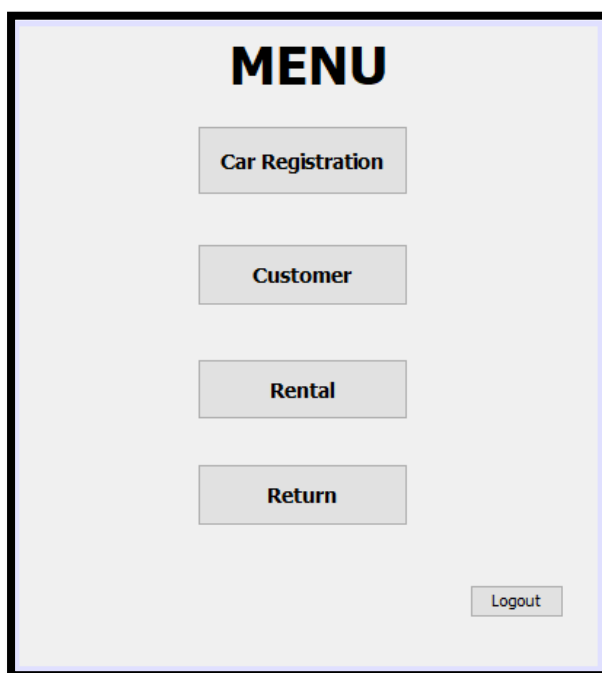
7. OUTPUT :

Login



The screenshot shows a window titled "CAR RENTAL SYSTEM". Inside the window, there is a "Login" section. It contains two input fields: "Username" and "Password". Below these fields are two buttons: "LOGIN" and "Exit".

Menu



The screenshot shows a window titled "MENU". Inside the window, there are four buttons arranged vertically: "Car Registration", "Customer", "Rental", and "Return". At the bottom right of the window, there is a "Logout" button.

Car Registration

CAR REGISTRATION

Car Registration

CarRegno

Company

Model

Available

Yes

ADD

DELETE

EDIT

BACK

CarReg	Company	Model	Available
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Customer

Registration

CUSTOMER REGISTRATION

Customer Registration

Customer ID

Customer Name

Address

Mobile

ADD

BACK

Customer ID	Customer Name	Address	Mobile
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Rental Information

RENTAL INFO

Rental

Car ID

Customer ID

Customer Name

Rental Fee

Date

DueDate

OK

Cancel

Return Car

RETURN CAR

Car Info

Car ID

Customer ID

Return Date

Days/Elapsed

Fine

OK

Cancel

Car ID	Cust ID	Return Date	Days Elap	Fine
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8. CONCLUSION:

Through this project we construct on Java (NetBeans) user input values. These input values is supported by some external operations like object, classes, method and so on These external structures are commanding the program that what have to be done when user select the specific task. Then the output generated so where program would store the temporary output at moment In Net beans, we learned about the creation of Database, Tables, and Data Entry. It helps to understand user how to build database and use it according to the Java Net Beans.

In short, the programmer learned that how to use the operations in a correct manner.

9. REFERENCES:

- [1] <https://www.freeprojectz.com/>
- [2] https://en.wikipedia.org/wiki/Car_rental