Acknowledge:

In this project we have acknowledged that how we have use the 3 Tier-Architecture in the software systems.How we can create the abstraction between the Data Access Layer and Business Logic Layer.By,doing this project we have learned that how we can use the SQL database in a efficient manner for storing data into tables.How to connect the tables by using queries.To,conclude this project has given us a lot of exposure and now we are able to build any GUI ,ASP.net project easily after understanding the requirements properly.

Abstract:

Basically,our project is based on storing the data & records in a efficient & decent pattern.We have designed it as user friendly and it will reduce your time in managing the vehicles.The main objective of this project is to make all the manual entries of vehicles in a proper software manner where all records will be save and there will be less human effort and mankind needed.

List of context:

1) 3 – Tier Architecture

2) Introduction

3) Problem and Solution

4) Project Representation Diagram

5) Screenshots

6) Conclusion

List of figure:

- 3-Tier Architecture Diagram.
- Project Representation Diagram.

Architecture:

3-Tier Architecture:

Three-tier architecture is a well-established software application architecture that organizes applications into three logical and physical computing tiers the presentation tier, or user interface the application tier, where data is processed and the data tier, where the data associated with the application is stored and managed. A three-tier architecture is a client-server architecture in which the functional process logic, data access, computer data storage and user interface are developed and maintained as independent modules on separate platforms. it provides great freedom to development teams who can independently update or replace only specific parts of the application without affecting the product as a whole.The application can be scaled up and out rather easily by detaching the front-end application from the databases that are selected according to the individual needs of the customer.New hardware, such as new servers, can also be added at a later time to deal with massive amounts of data or particularly demanding services.
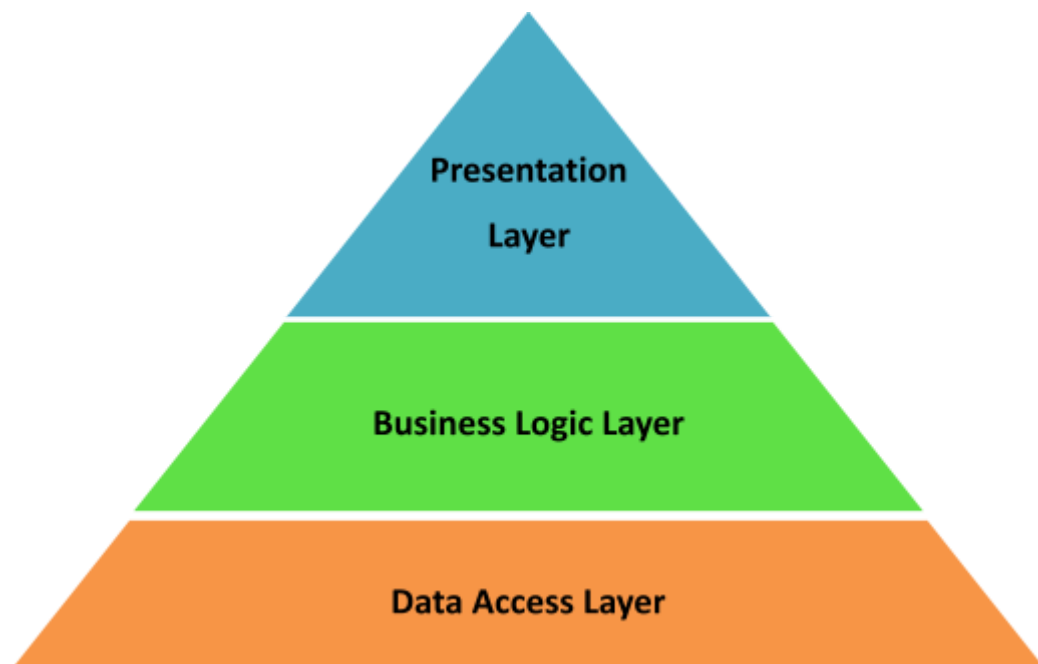
Introduction:

Importance:

As we know that in past years everything was manual we need to set our all records on manual documentation, but know time has changed we need store our data in digital form and in smart form as well. So this project is help full for a Parking management and other kind of managements to set their records. It can consume your time and make your life easy and faster.

Applications:

It can be used in many kinds of managements and organization.

What you will do:

We will try to make it better and then we will contact to some companies and organizations to sell them this system or we can make a different system for different management

.

Problem and solution:

Problem:

We faced some problems in our project but our main problem was to connect the data base. And to create tables in the data base, on the other hand the arrival of vehicle we store data in the relevant table it was also the problem to store in the relevant table as we have 3 tables (Cars, Buses, and Scoters).

Solution:

We find our significant solution through our lab manuals and lab tasks and by our own hard work.

Work flow:

Our work flow was good and stable we try to maintain our pace during the development of project. We face a small delay in flow during the designing of UIs. We complete this milestone in 14 Days.
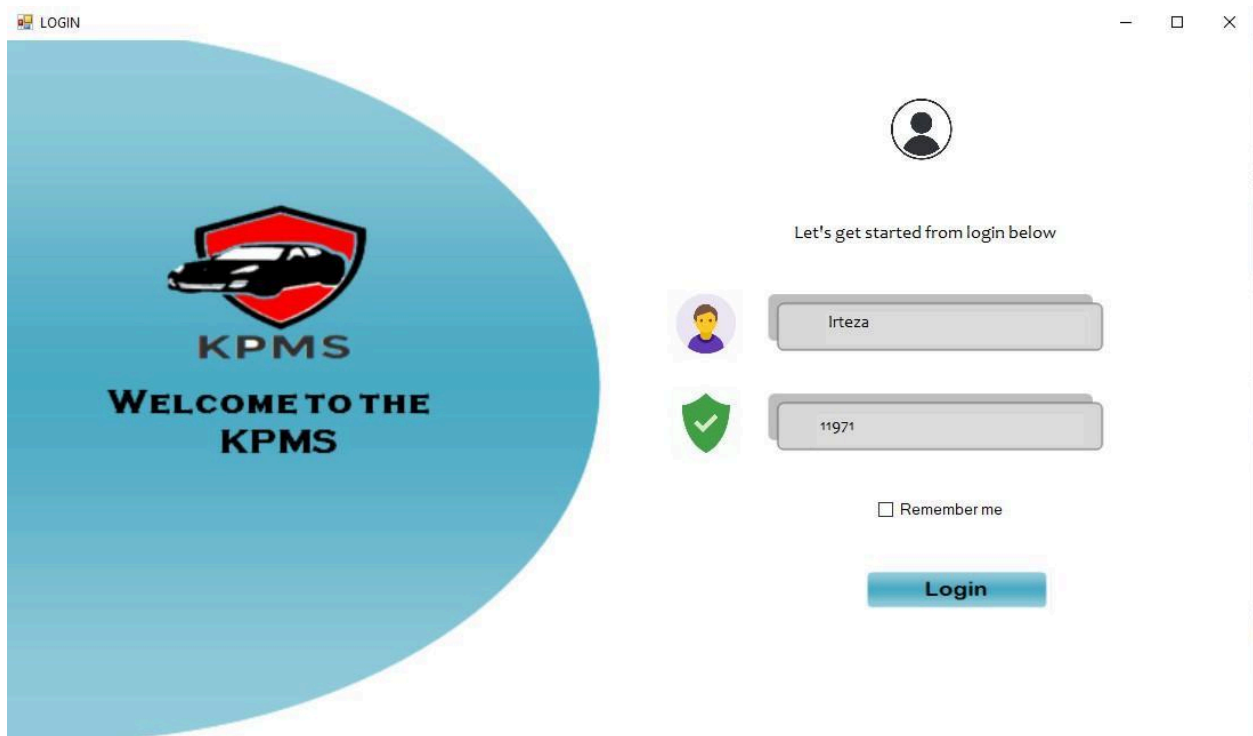
Project Representation Diagram:

Project starts   **Start**

Login Page   Admin LOgin

Enter User Id & Password   Username   Password

Home Page

Select The Vehcile Type   Car   Bus   Scooter

Ask for Choice of Data Inserting or Deleting   Arrival   Arrival   Departure   Arrival
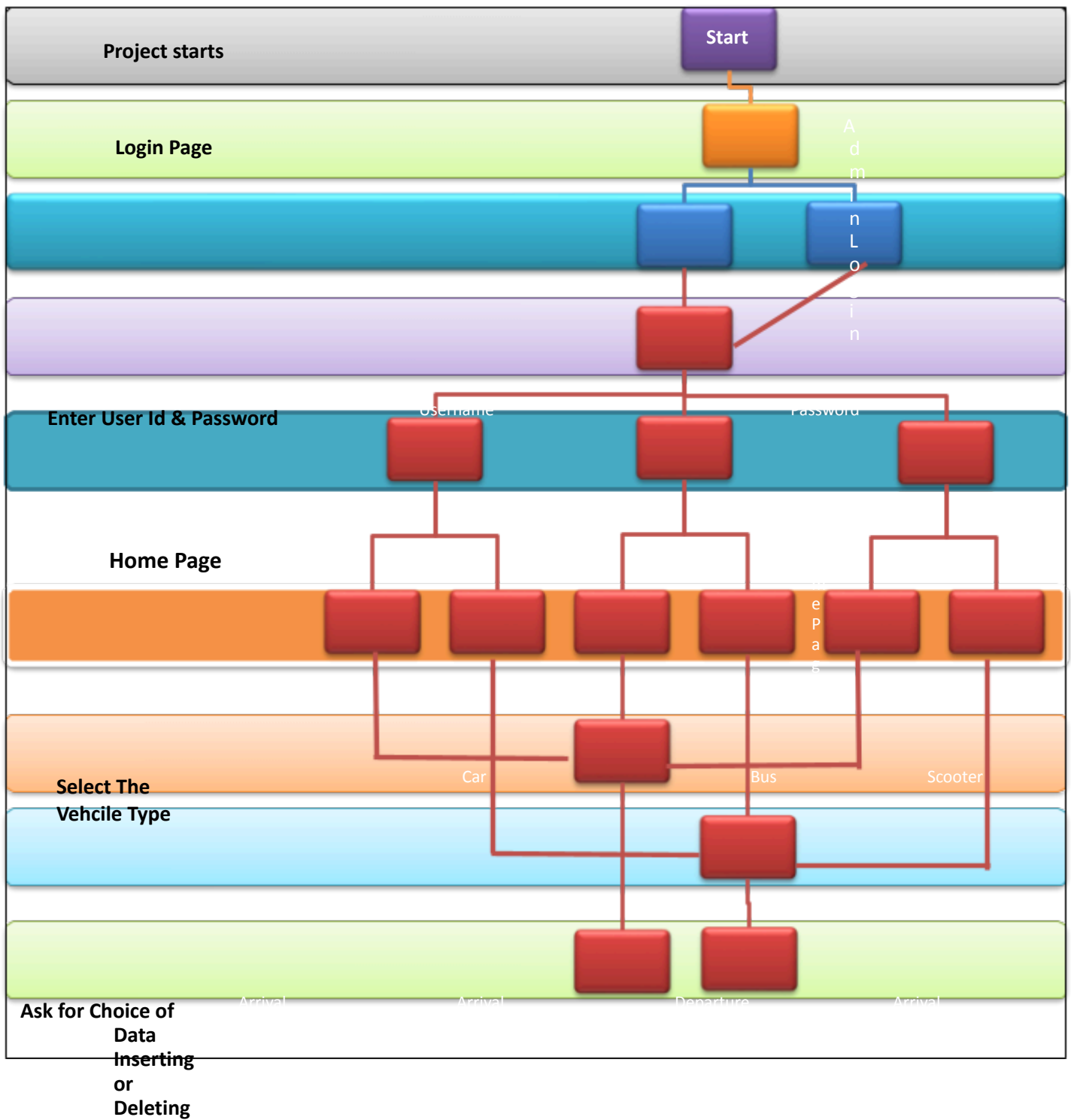
Fill The Form to store record in Data Base

Search The Record through Plate Number,First Name and Last Name for Departure

Delete the selected record

Output Screen Shots:

	Id	Username	Password
1	2	Haris	11879
2	1	Irteza	11971
3	3	Bilal	12485

Description:

The above one is the login form which is linked with a table named Admin in database and the 2nd snap is of Admin table if the username and password of the textboxes on the login page matches with the data available in the Admin table so the login will be successful and it will proceed to main menu.
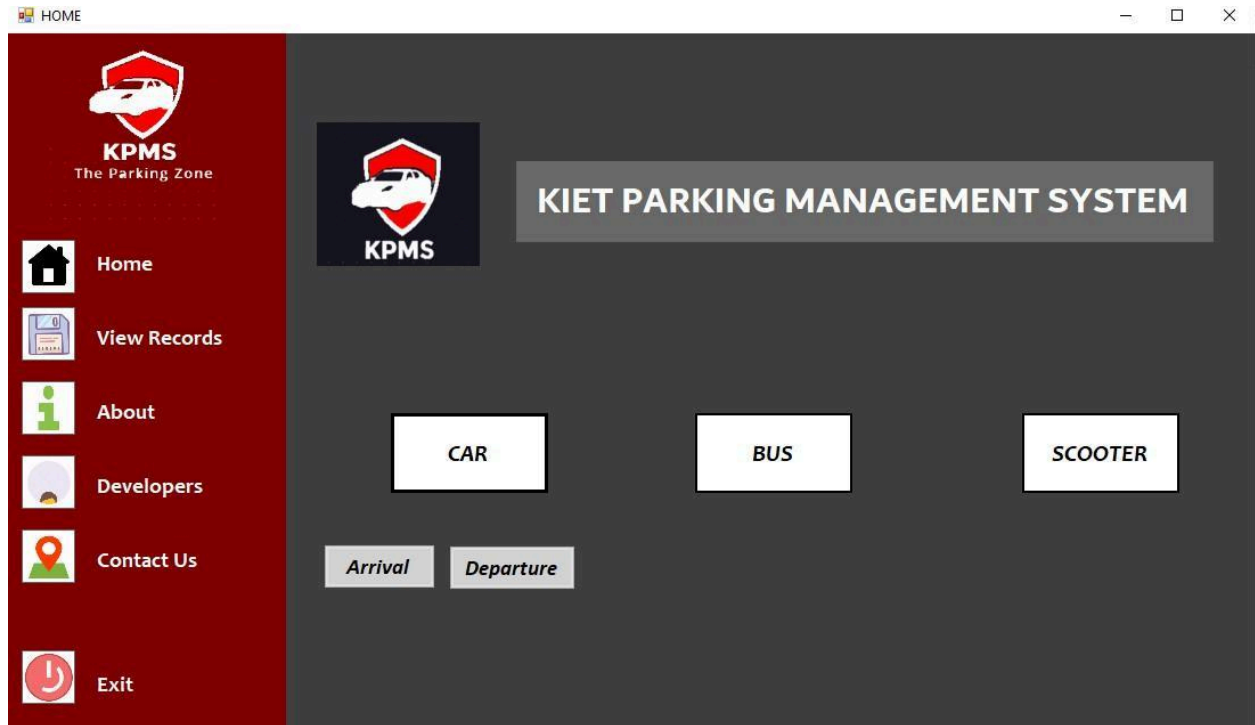
Description:

This is the home page in which different options are avaible by clicking on car there is arrival and departure option by clicking on them it will go to the car arrival form.Same goes for the bus and scooter.

Description:

Now,clicking on arrival on car it will show a small form which is given above.Information will be filled in the textboxes and the checkboxes will be marked or unmarked.And the 2nd snap is after the insertion of that car in the database there is a table in the database named Carinfo which is storing all this information.The 2nd snap is of Carinfo table.

KPMS
The Parking Zone

Home

About

Developers

Contact Us

Total Vehicles Parked	Cars Amount Collected	Car Owners Details
Number of Cars	Buses Amount Collected	Bus Owners Details
Number of Buses	Scooters Amount Collected	Scooter Owners Details
Number of Scooters	Washed Vehicles	Vehicles In Shade
	Invoice Genrator	
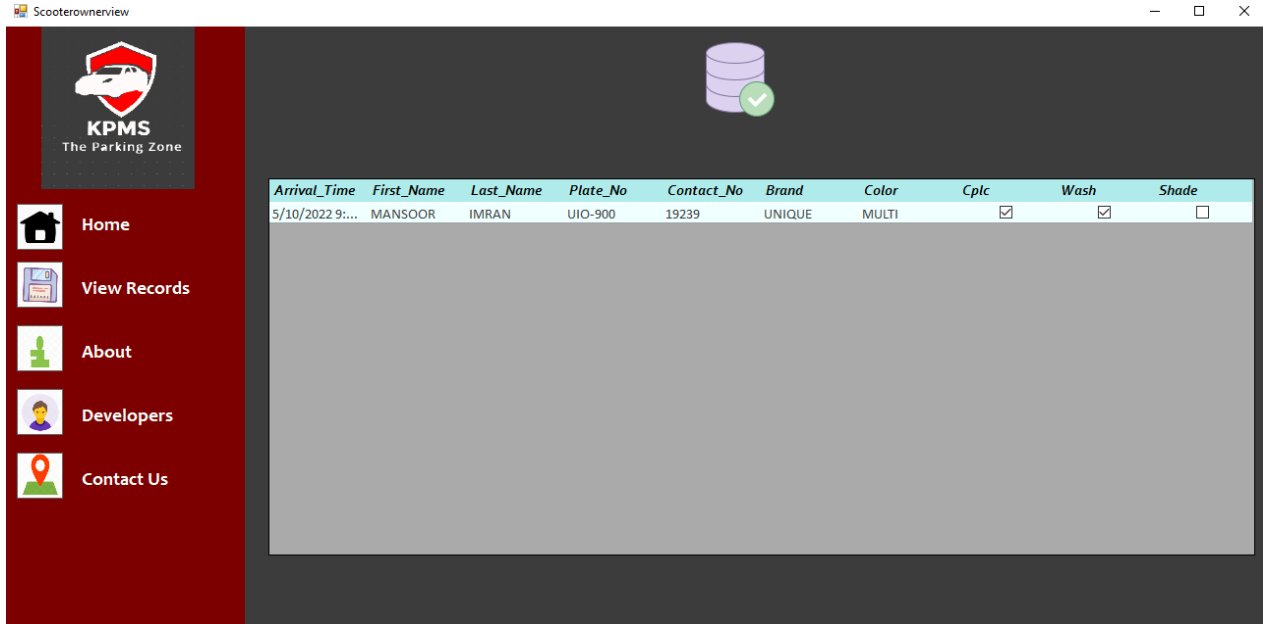
Total Amount Collected

Arrival_Time	First_Name	Last_Name	Plate_No	Contact_No	Brand	Color	Cplc	Wash	Shade
2022-05-10 21:40:00	MANSOOR	IMRAN	UIO-900	19239	UNIQUE	MULTI	1	1	0

Description:

The above three screenshots are of the view records button after clicking on it multiple options will be appeared choose them accordingly in this I case I choosed scooter owner's details so it is fetching the data from the scooterinfo table from database and showing it in a grid view.

CAR DEPARTURE

First Name
IRTEZA

Last Name
SIDDIQUI

Plate Number
IJK-123

GENERATE INVOICE

First Name
IRTEZA

Last Name
SIDDIQUI

Car Departured

OK

Generate

◁ ◀ 1 of 1 ▶ ▷ | ← ⊗ ↻ | 🖶 📄 📖 💾▾

KPMS RECEIPT
The Parking Plaza

Vechicle Type | **Plate No**

CAR | IJK-123

First Name | **First Name** | **Date**

IRTEZA | SIDDIQUI | 5/10/2022
12:00:00 AM

Brand | **Color**

COROLA | WHITE

Amount

130

**Contact: 033708057847**

Email: kpms@gmail.com

Description:

        The above 3 snaps are from departure option of car which corresponds to the carinfo table in the dabase it will match the information is matched it will delete that particular car from the carinfo table and will generate the invoice automatically without any click.
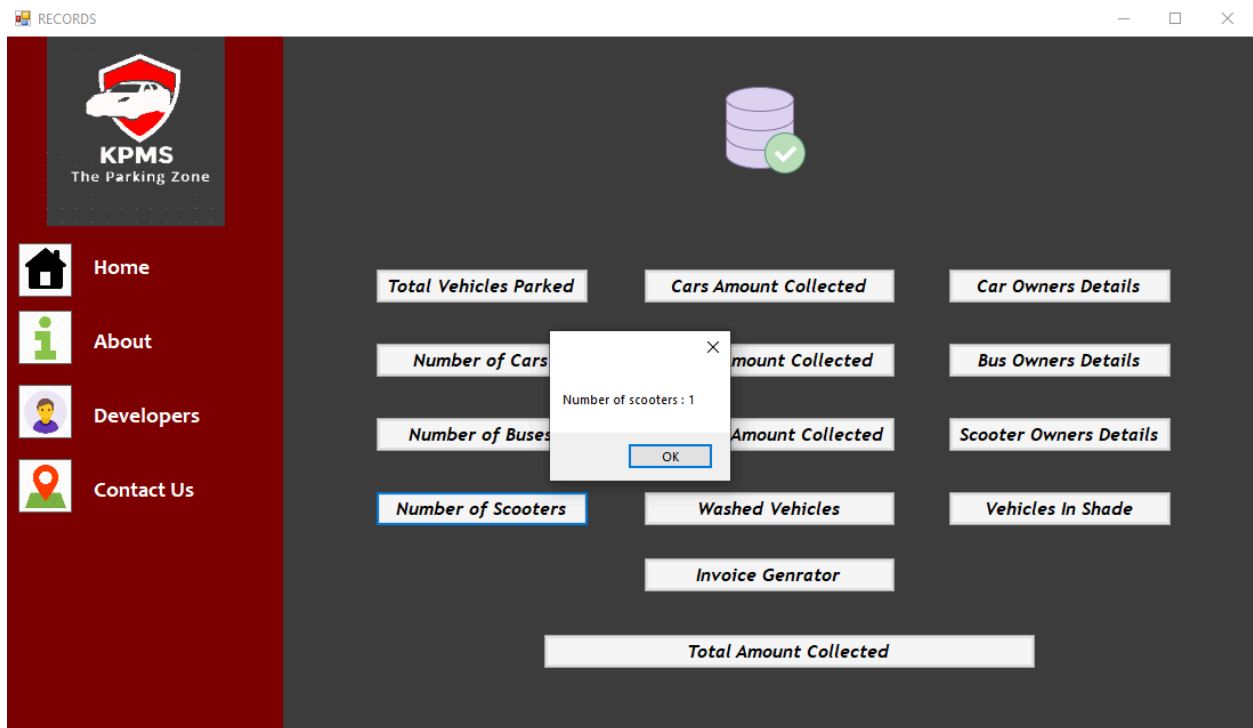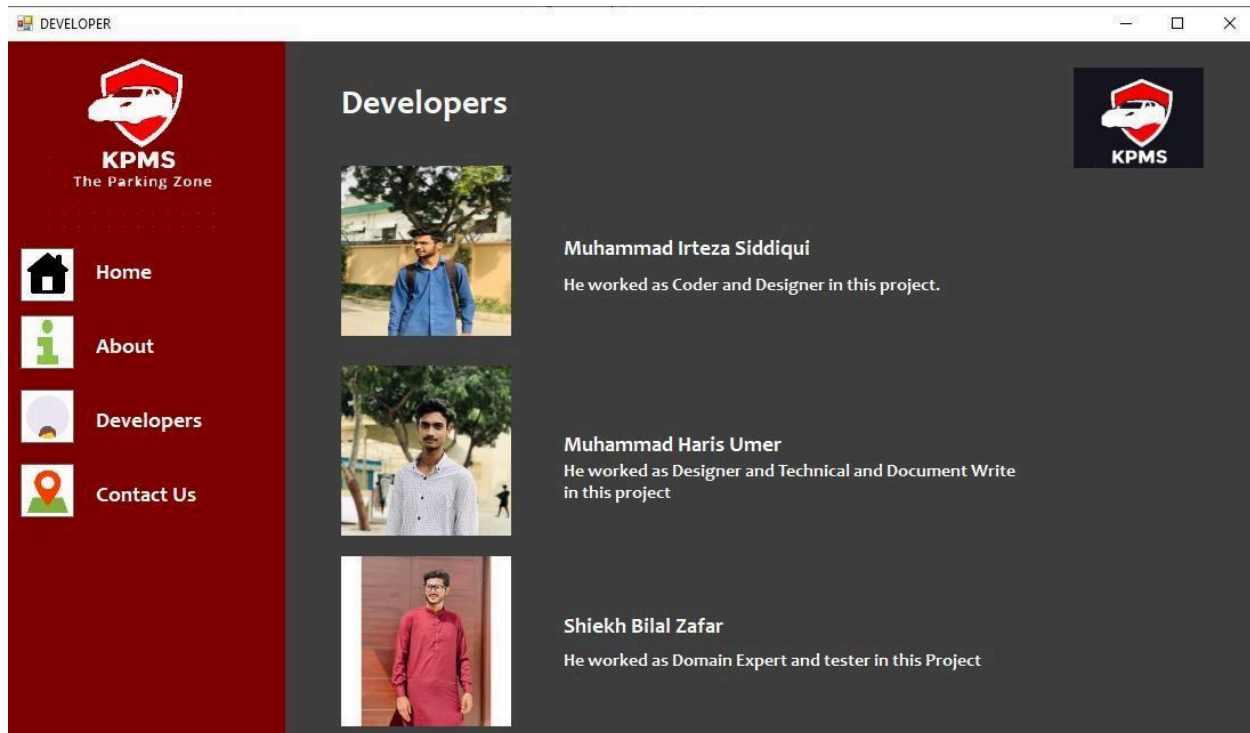

Description:

    More ,Functionality of view records button
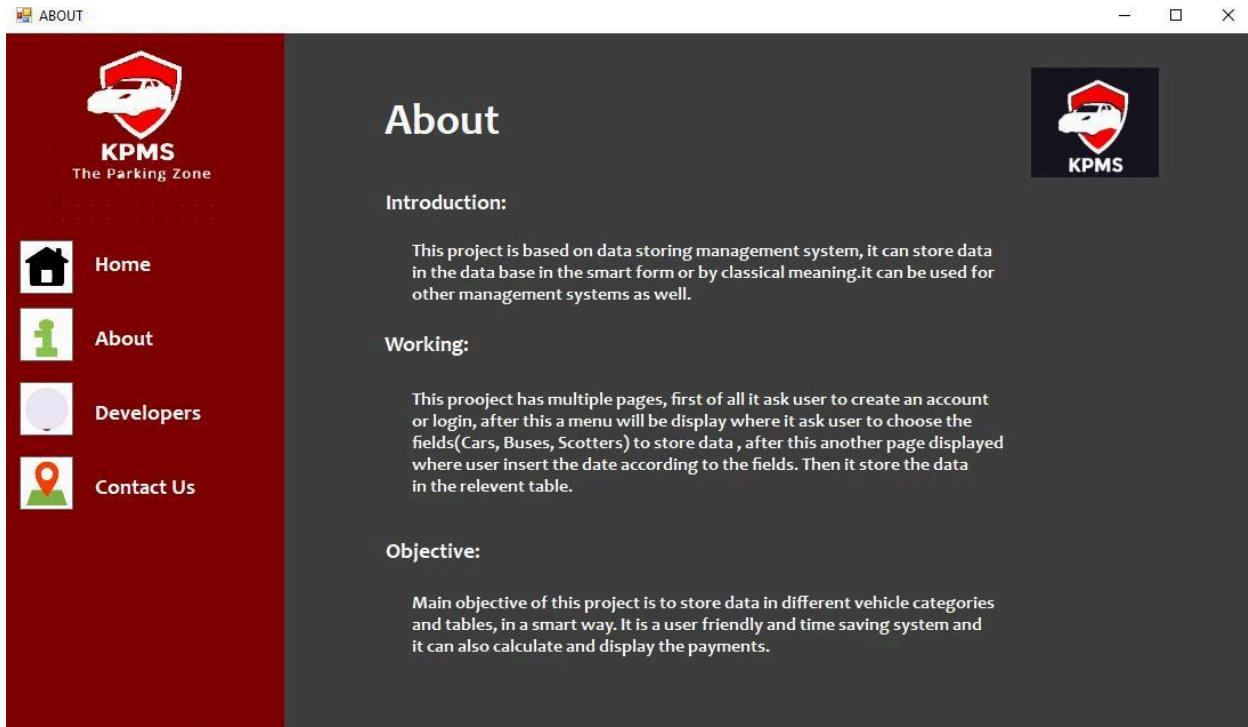
Description:

The above is the about page of the project.

Description: