

# Bahria University, Karachi Campus



**COURSE: SOFTWARE DESIGN AND ARCHITECTURE  
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PROJECT:

**Transport Management System**

**Submitted To:**

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**Signed**

**Remarks:**

**Score:**

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## **1 INTRODUCTION:**

The objective of this application is to automate the details of transportation (pick and drop) services provided by an organization to its employees and to manage the related information in a convenient manner.

This system allows the user view all information of services provided by the organization. The User can make a request to Administrator for cab. This system allows the user could make updation to cab request. This system allows the administrator to maintain and update all information of cab details. The cabs are assigned by administrator to user cab request. This system allows user to make complaint for service and the administrator take action on complaint. The information of cab request details of day user and regular user are maintained by administrator and the administrator can view all or selected information. The purpose to design the system that allows search and retrieve related data easily.

The present systems organize the entire information in file and ledgers. It is difficult to search and retrieve relevant data, when required. Its is difficult to view any particular information quickly. Lot of time is need to search the data.

Often the data is mismanaged and this leads to loss of data. It is difficult to track the vehicle details.

## **2 PROPOSED SYSTEM:**

The proposed system is a web based application which maintains a centralized repository of all necessary information. This allows the users to access the information easily. The system allows to track and manage all information through well-defined interfaces.

## **3 TECHNOLOGY:**

- Operating System : Windows
- Technology : C#
- Database : SQL

## **4 FEATURES:**

### **4.1 Administrator:**

**Administrator involved the followings:**

- Can Add/update/delete route details in online.
- Can perform action for cab request.
- Can perform action for user complaint.

### **4.2 User:**

**User involved the followings**

- Can give cab request to administrator.
- Can give complaint about cab request.
- Can give feedback about services.

## **5 NUMBER OF MODULES:**

After careful analysis the system has been identified to have the following modules.

### **5.1 Administrator Module:**

This module provides administrator related functionality. Administrator can add ,delete ,update and view details of vehicles,routes. The administrator maintain the details of employees who avail the transportation service.

#### **5.1.1 Vehicle module:**

The administrator consist the vehicle module. This module maintains the details of vehicles and cabs available for transportation. For each vehicle details such as route number,driver number,vehicle type,capacity,availability will be stored. Administrator can manage the vehicle information.

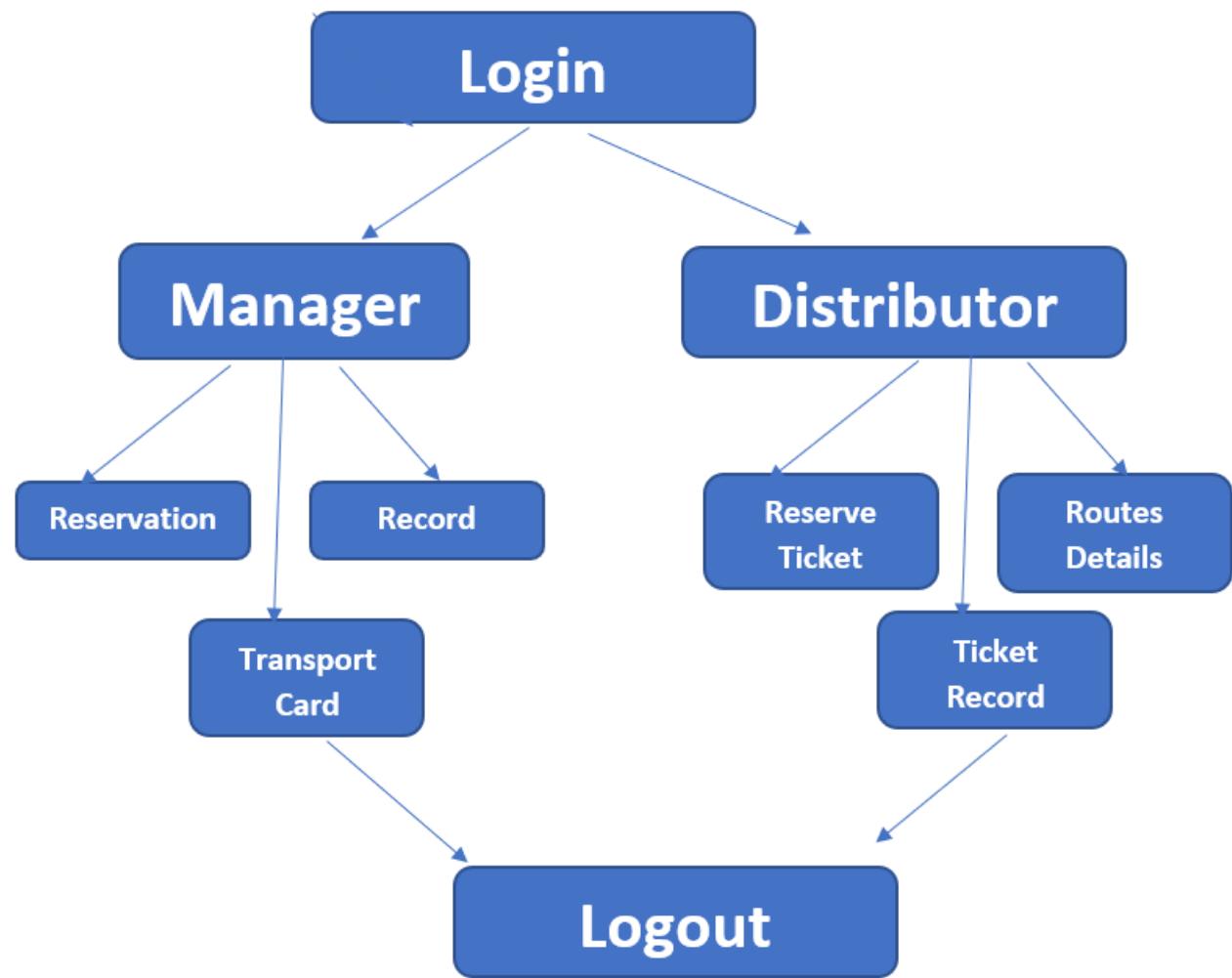
#### **5.1.2 Route module:**

The administrator consist the route module. This module maintains the details of all routes available for transportation. For each route details such as route number, stoping points,pickup time for each stop points will be stored. Administrator can manage the route information.

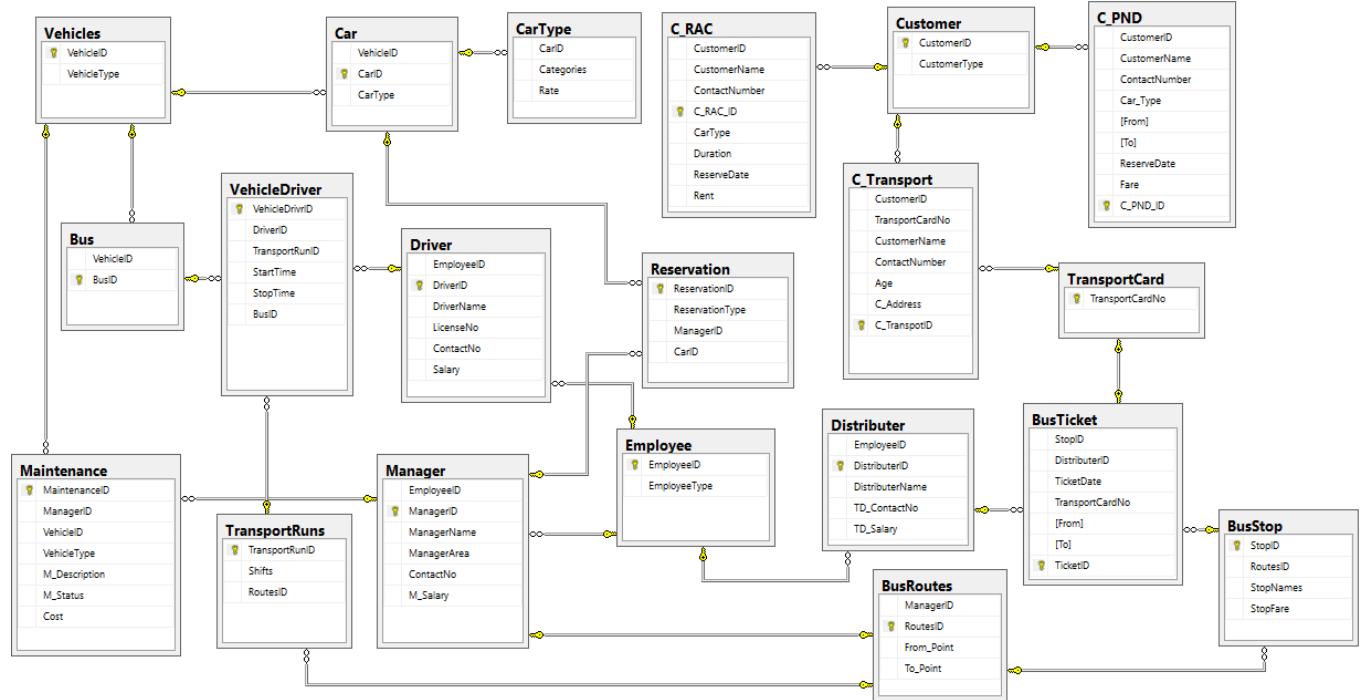
### **5.2 User module:**

User can view all information about the route like vehicle details,time details,stop details.User can make request for it and make update to the request.User get details about the vehicle after assigned by the Administrator.User can make complaint for the service and view the status about the complaint.User give feedback about the service.User can login and view the launching product details of desired product.User give feedback about services.

## 6 FLOWCHART:



## 7 ERD:



## 8 GUI's:

### 8.1 Distributer Login:

Login

X

### Transport Management System

User Name: AMMARA AIMAN

Password: \*\*\*\*\*

User: Distributer

**Login**

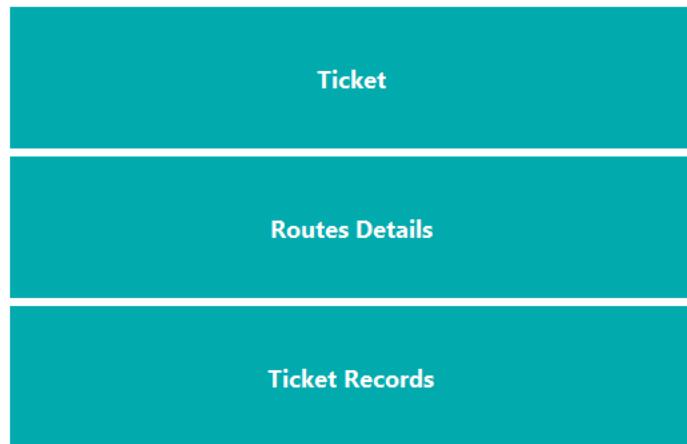
8.1.1 Distributor Dashboard:

---

Dashboard

x

## Ticket Distributer



8.1.2 View Bus Routes Details (1):

---

Routes Detail

x

## Bus Routes Details

Cancel

View

### 8.1.3 View Bus Routes Details (2):

Routes Detail X

#### Bus Routes Details

CancelView

BusID	DriverID	TransportRunID	StartTime	StopTime
955	911	611	08:00:00	10:00:00
955	911	612	10:00:00	12:00:00
955	911	613	12:00:00	14:00:00
956	912	611	15:00:00	17:00:00
956	912	612	17:00:00	19:00:00
956	912	613	19:00:00	21:00:00

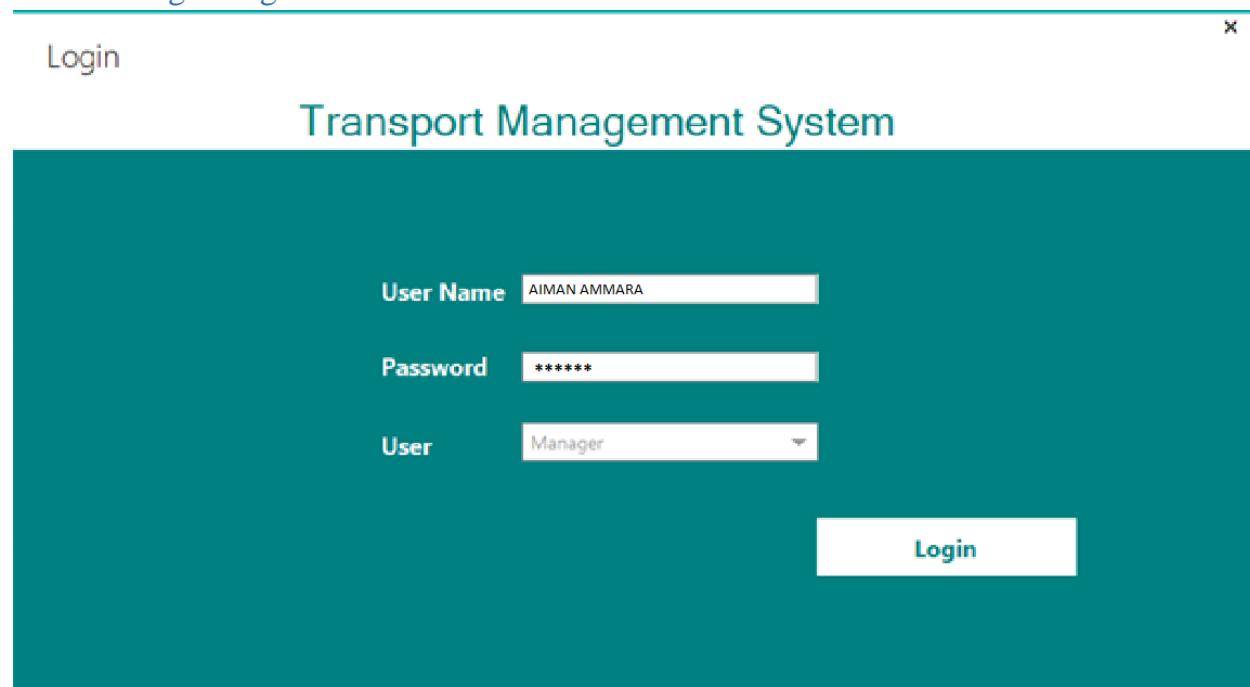
### 8.1.4 View Bus Ticket Records:

Ticket Record X

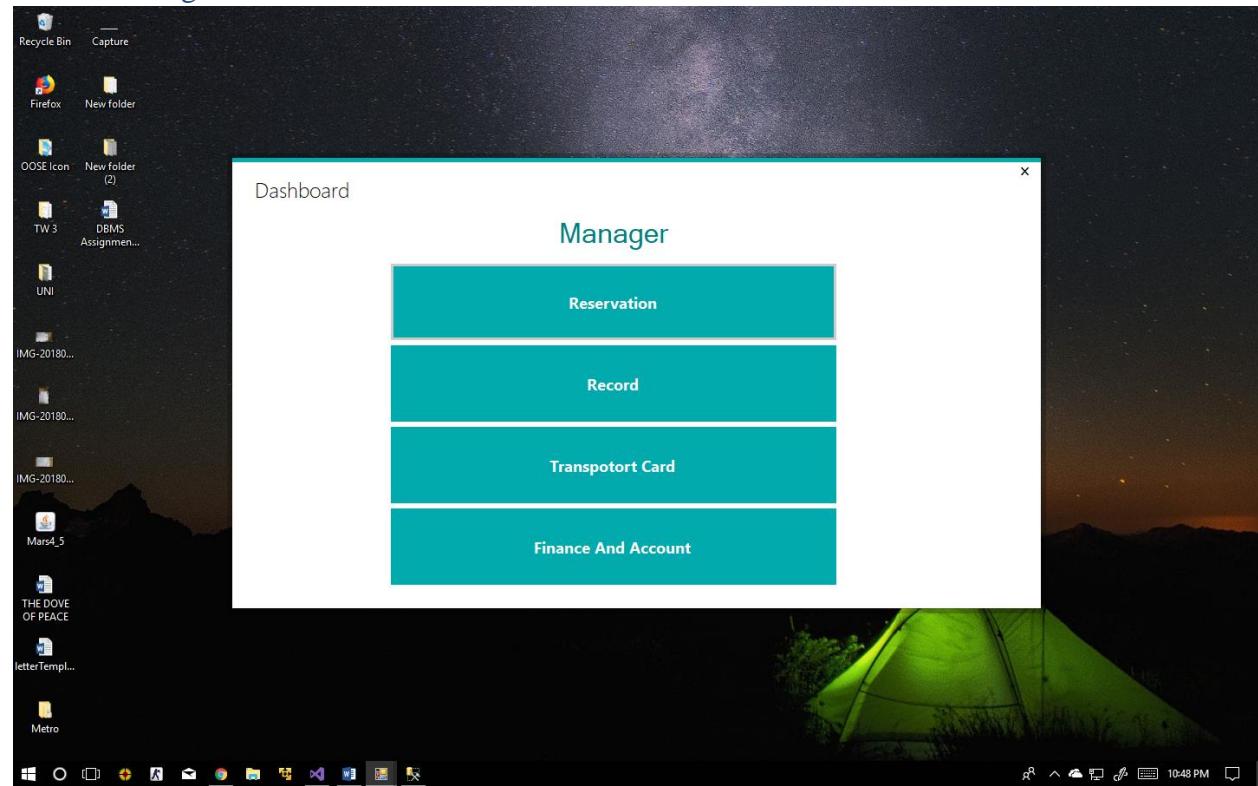
#### Bus Ticket Record

CancelView

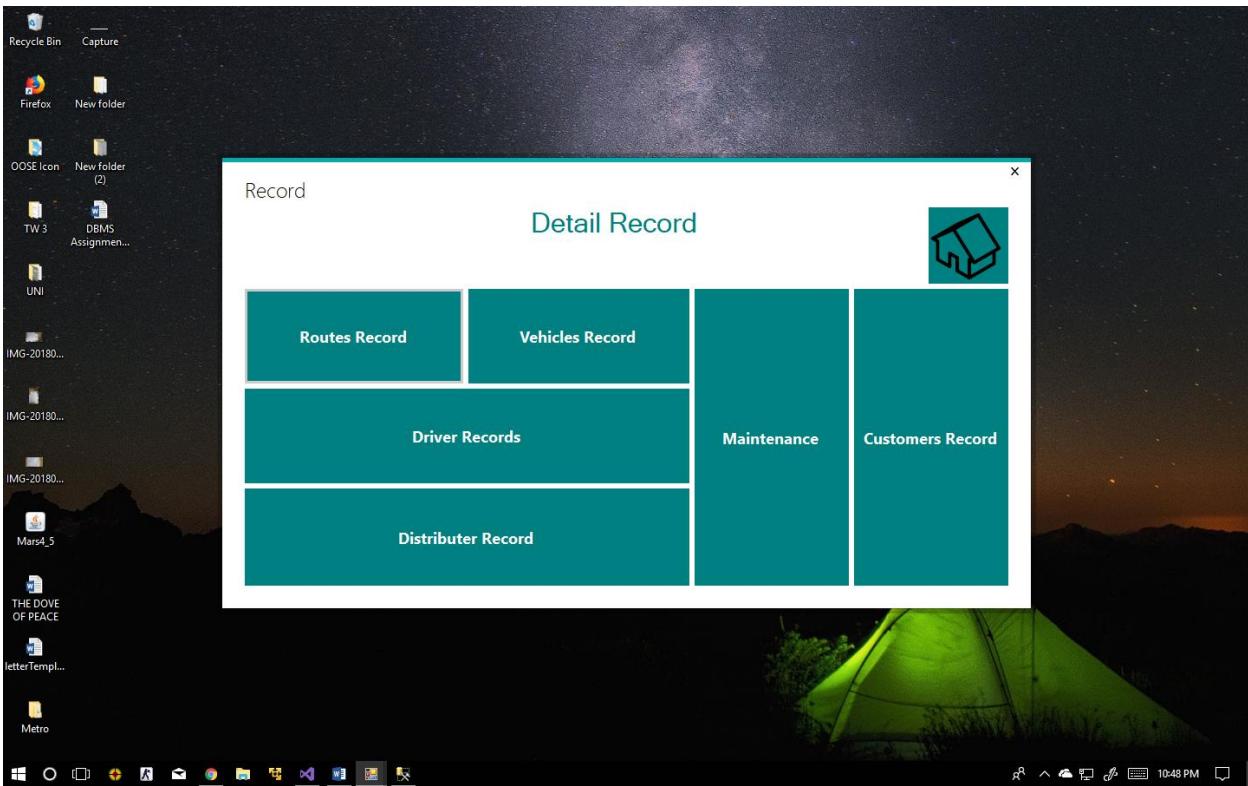
## 8.2 Manager Login:



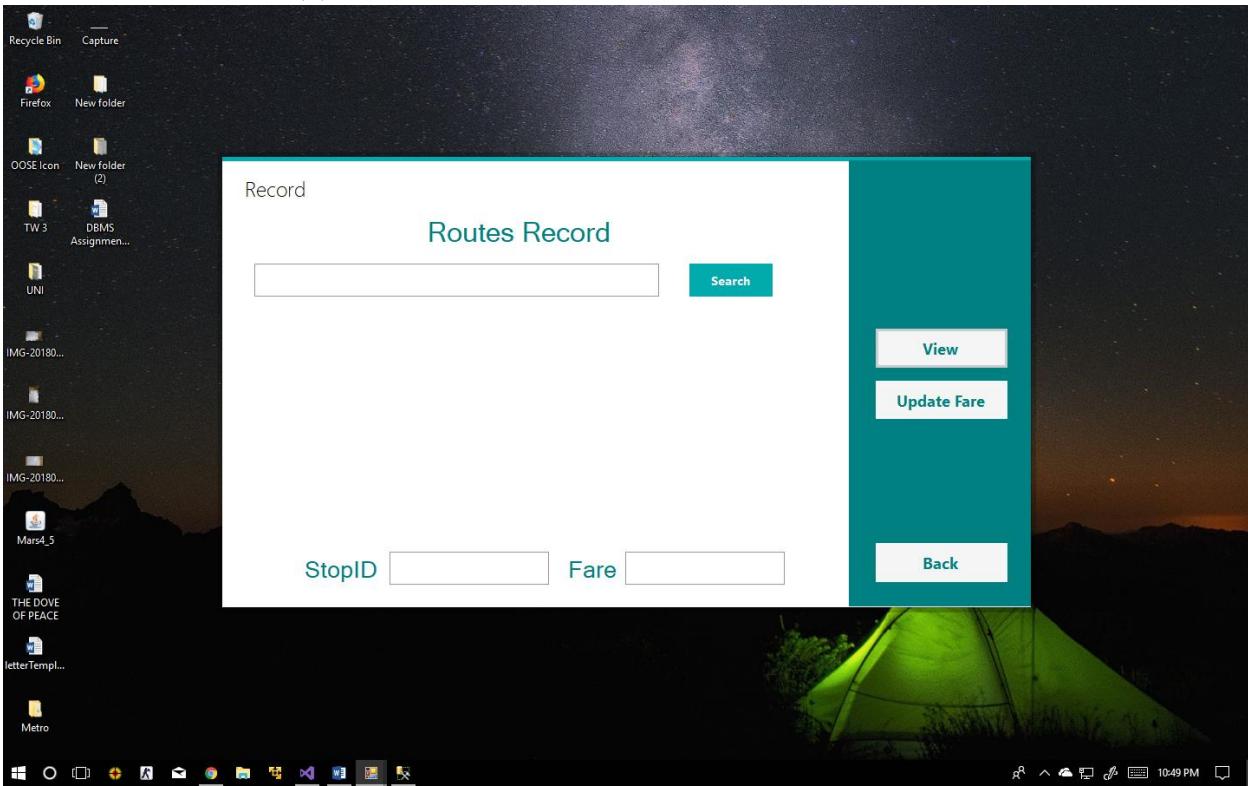
### 8.2.1 Manager Dashboard:



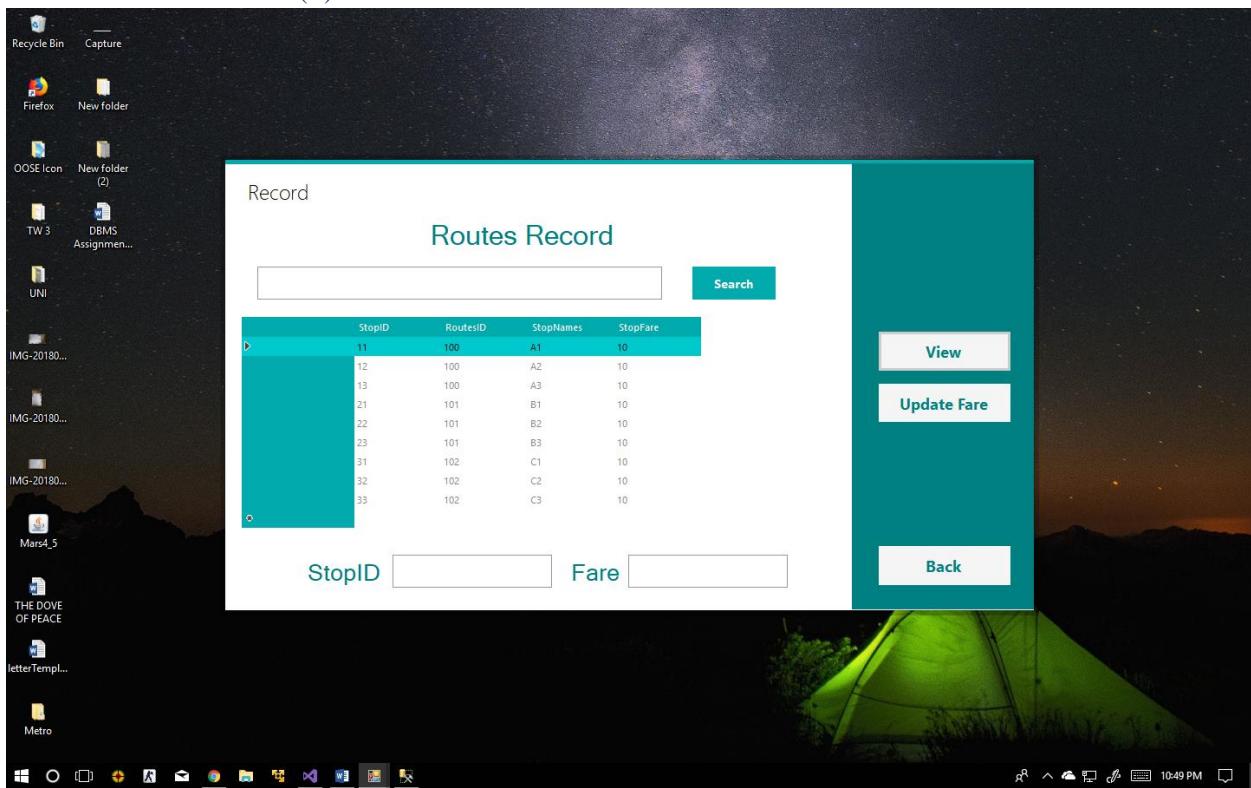
### 8.2.2 Detail Record:



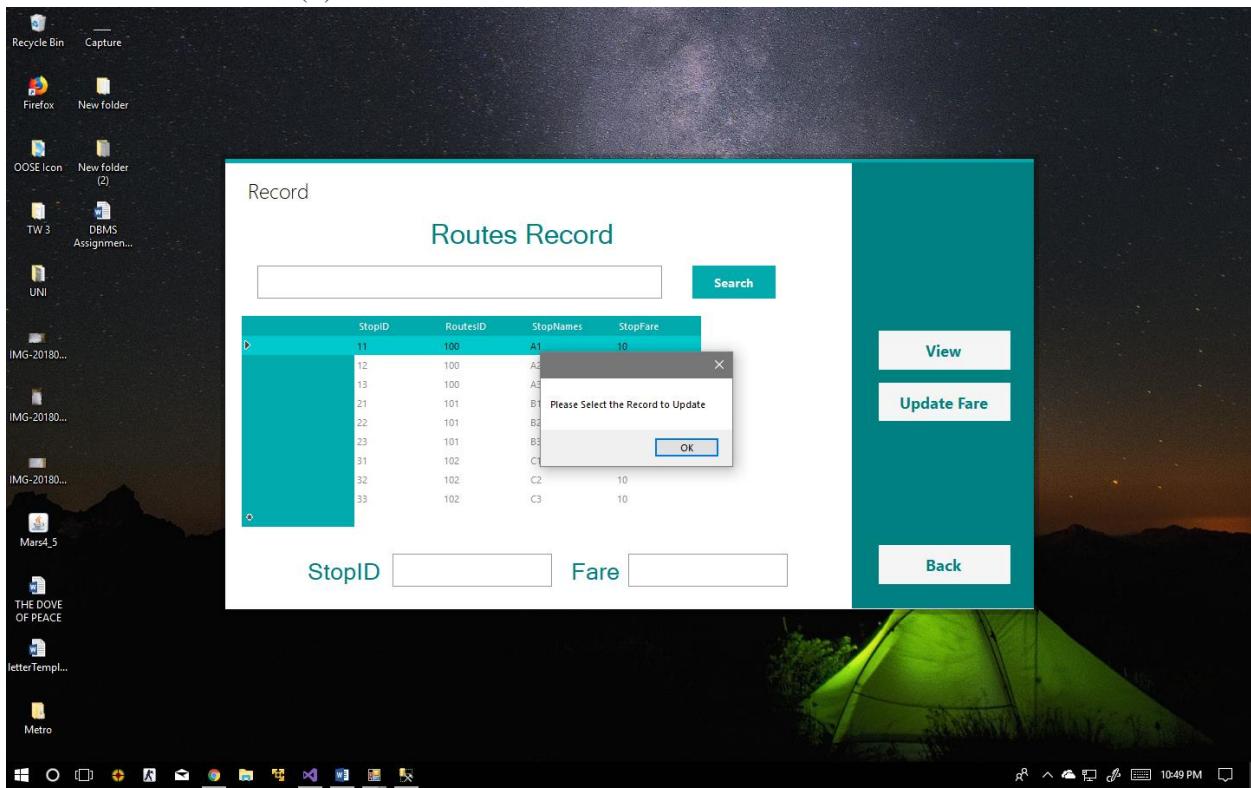
### 8.2.3 Routes Details (1):



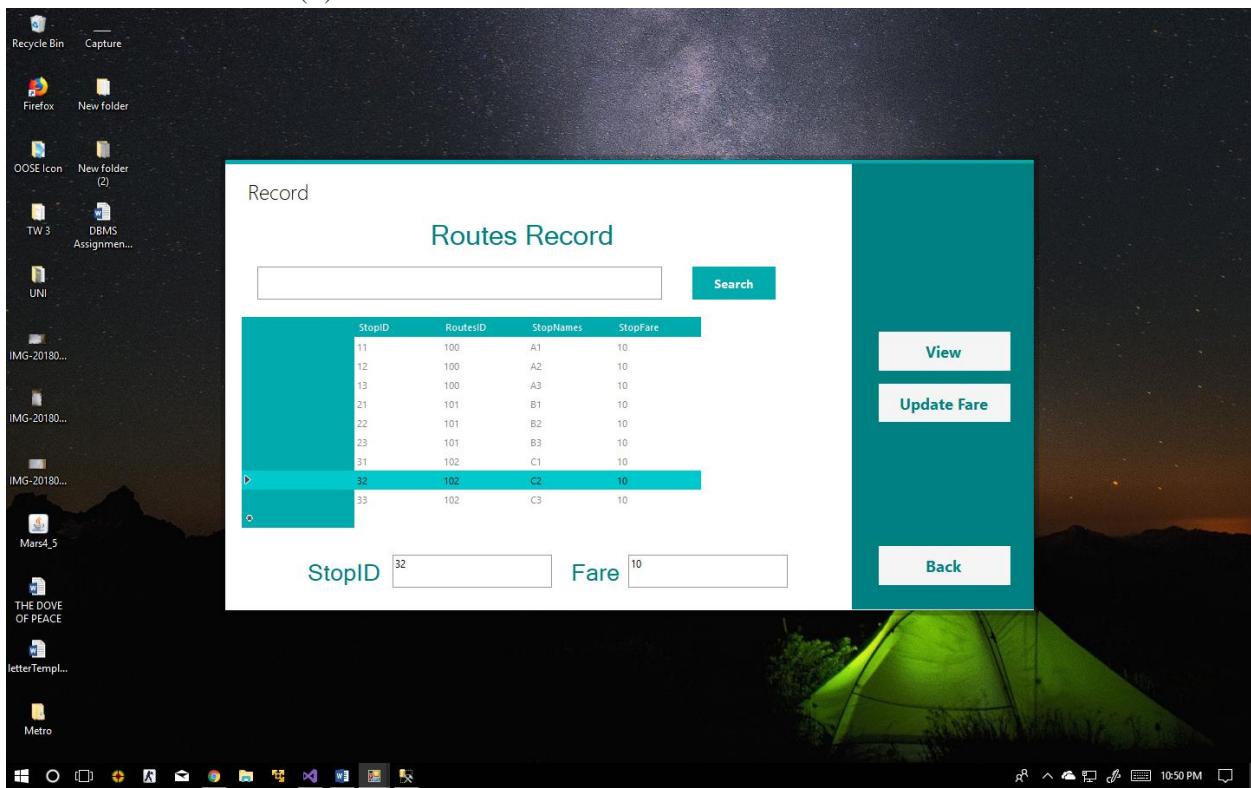
#### 8.2.4 Routes Details (2):



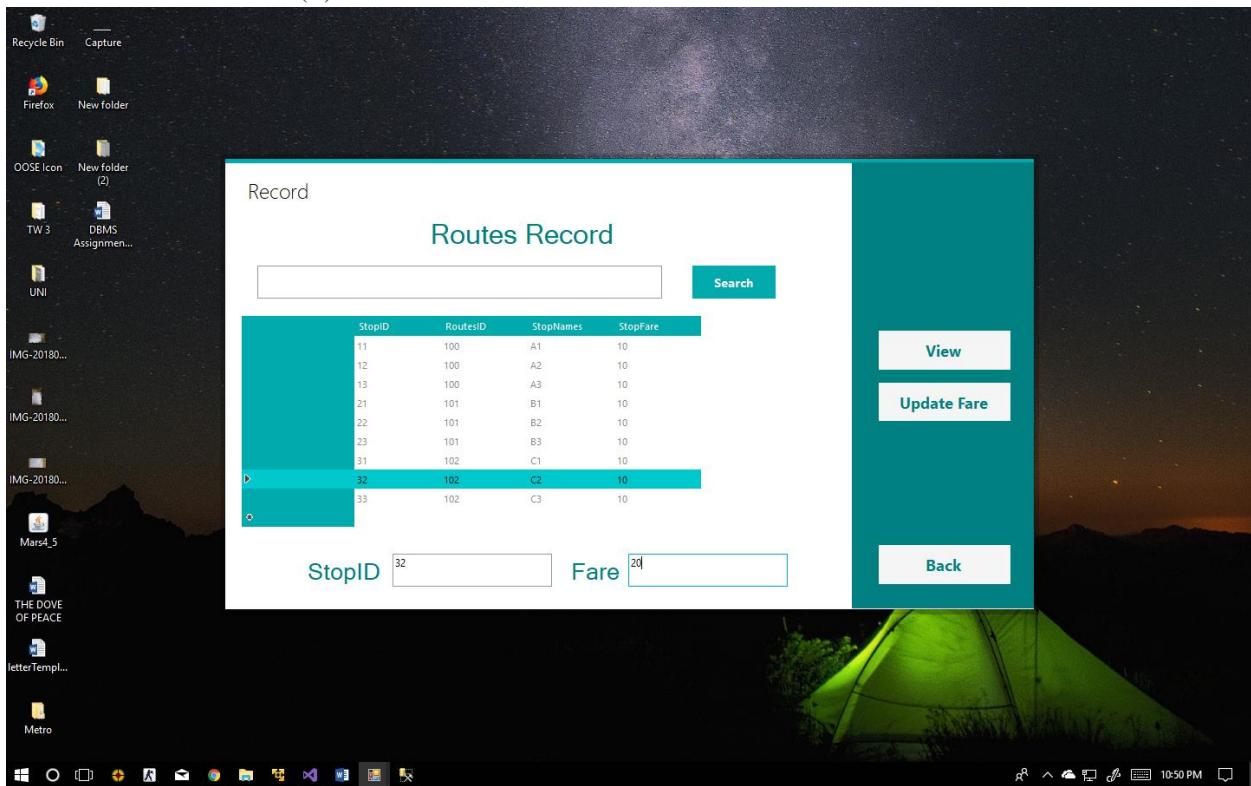
#### 8.2.5 Routes Details (3):



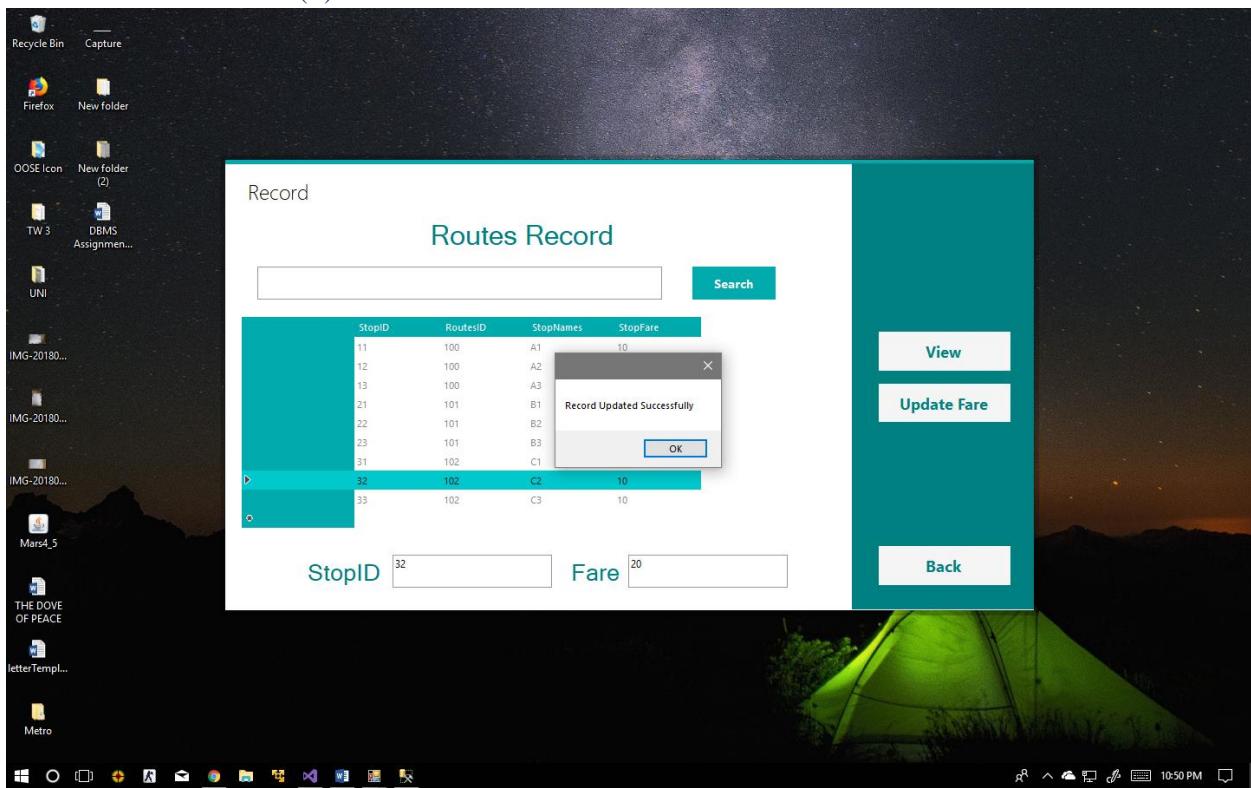
## 8.2.6 Routes Details (4):



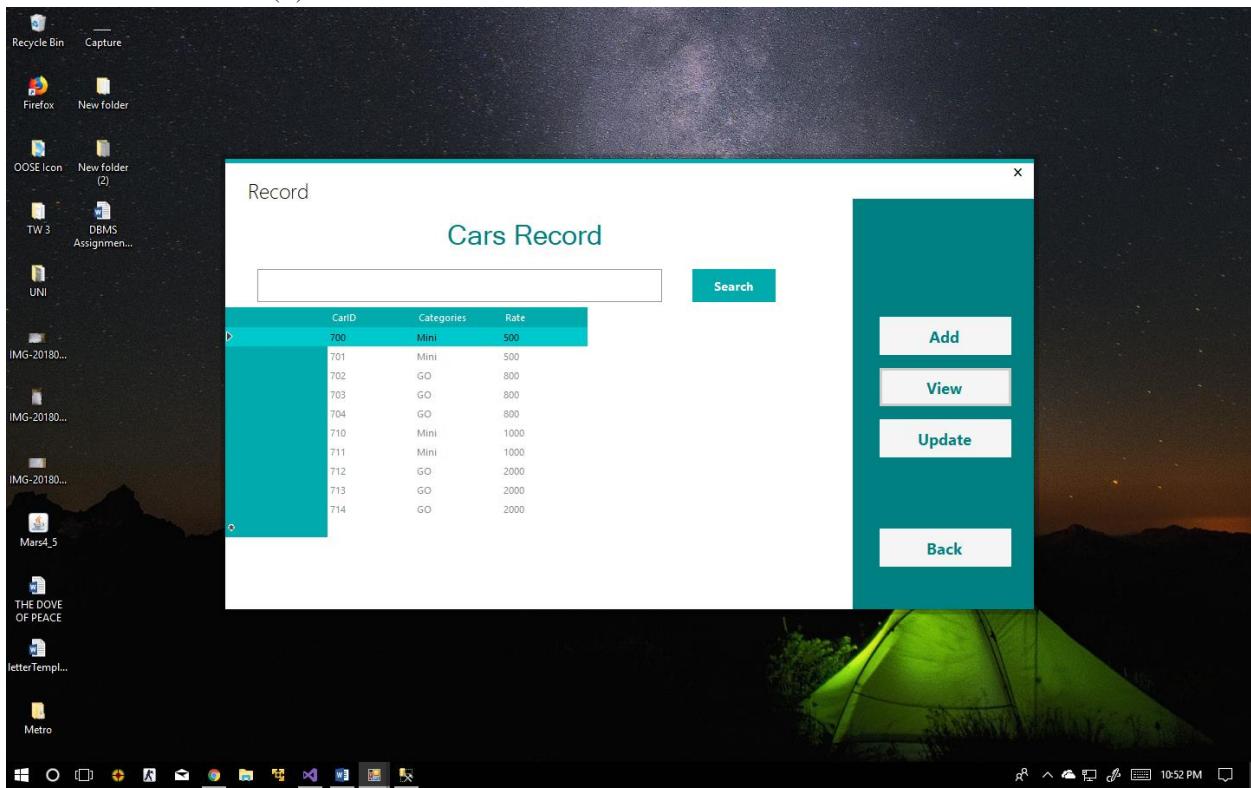
## 8.2.7 Routes Details (5):



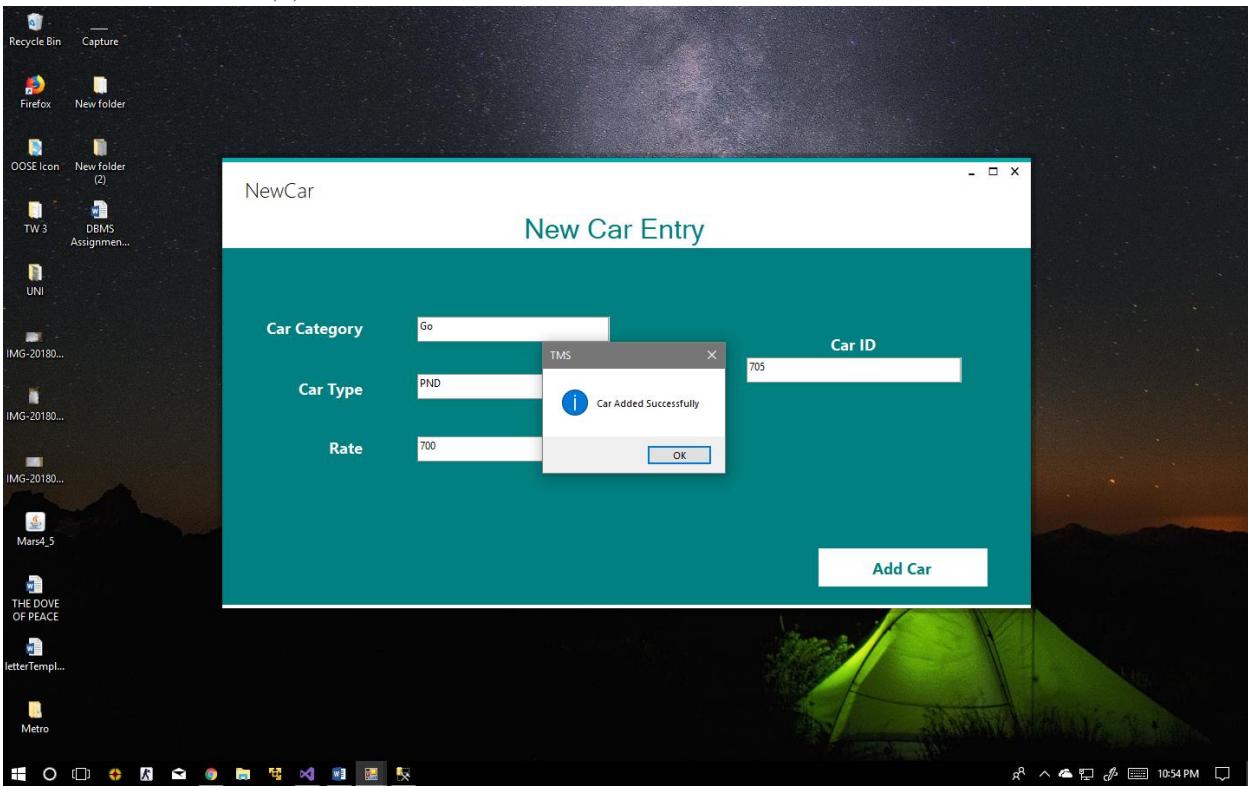
### 8.2.8 Routes Details (6):



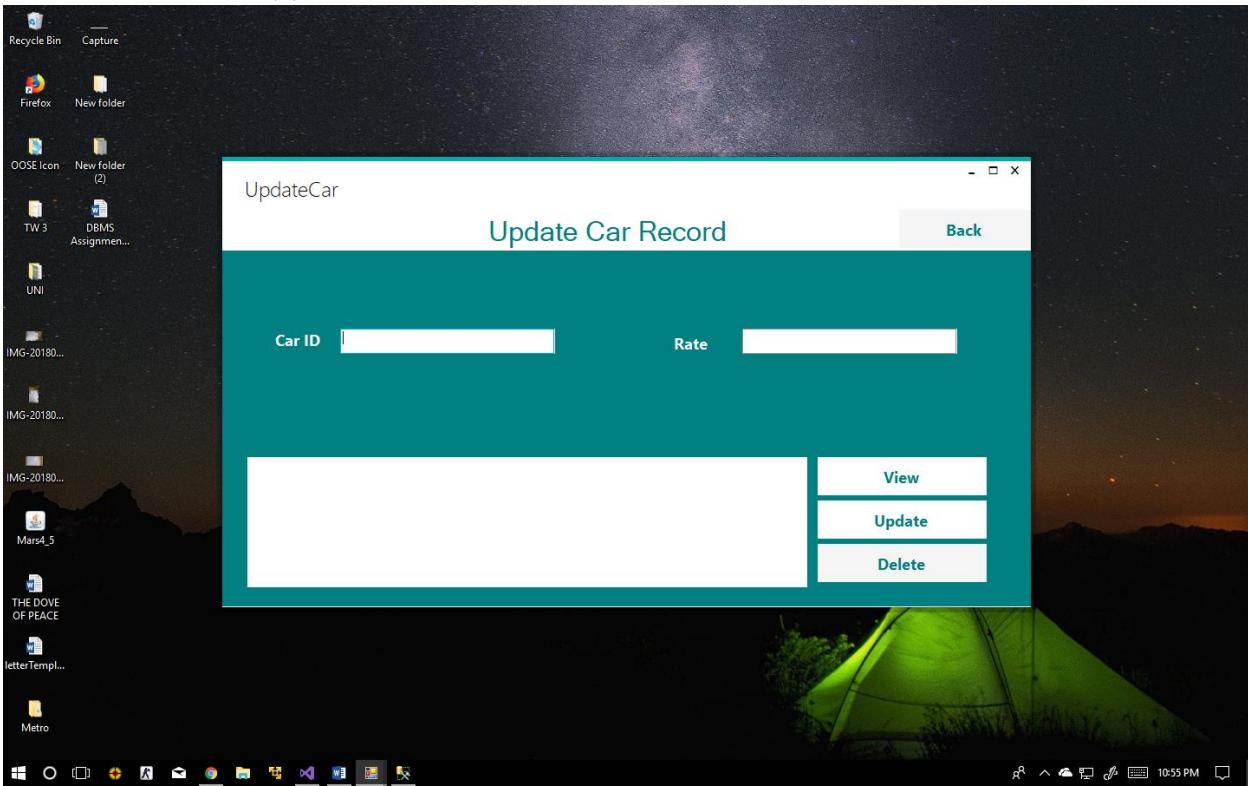
### 8.2.9 Car Records (1):



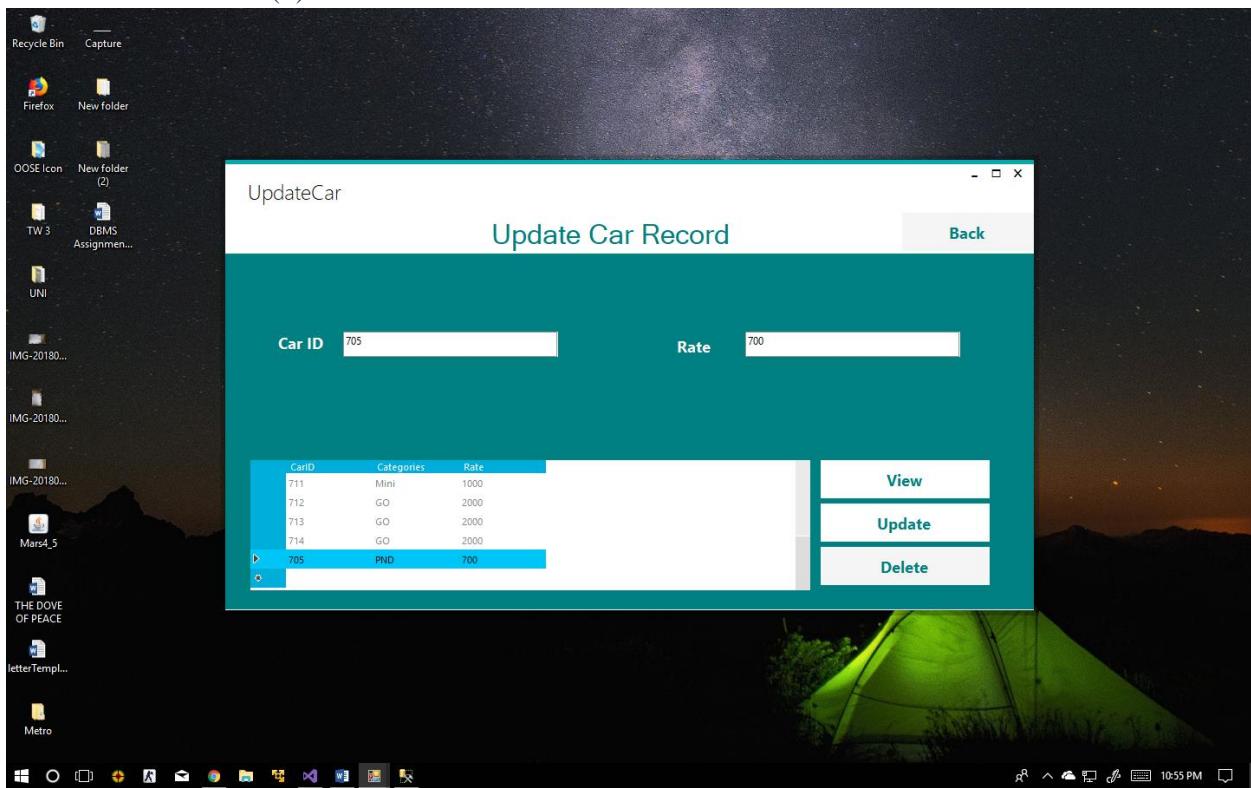
### 8.2.10 Car Records (2):



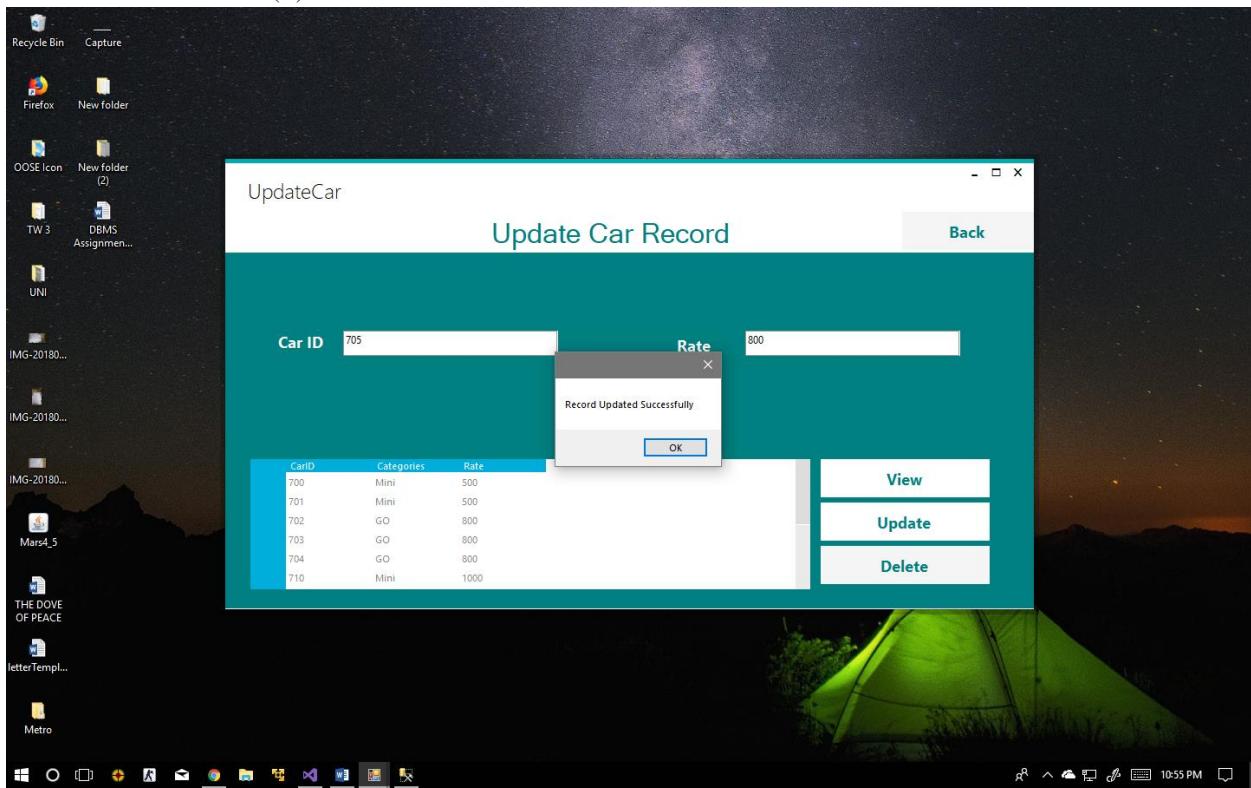
### 8.2.11 Car Records (3):



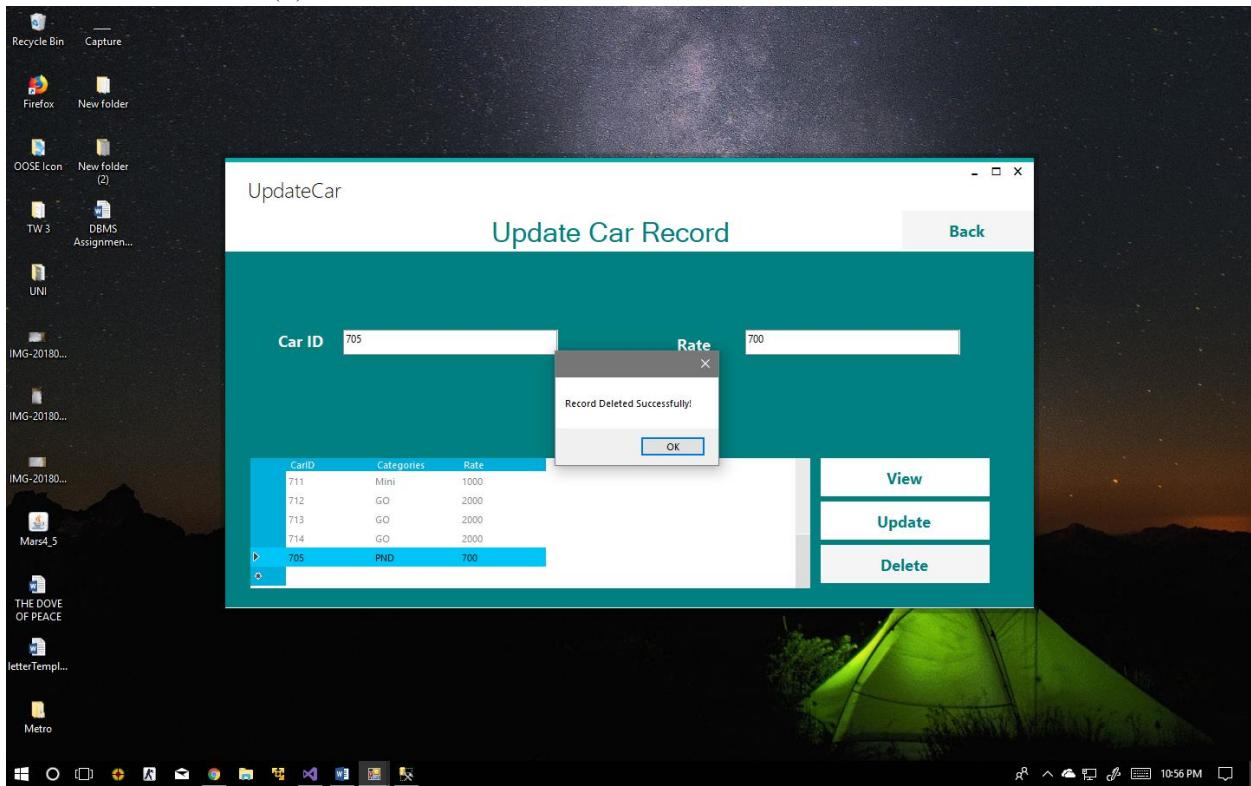
### 8.2.12 Car Records (4):



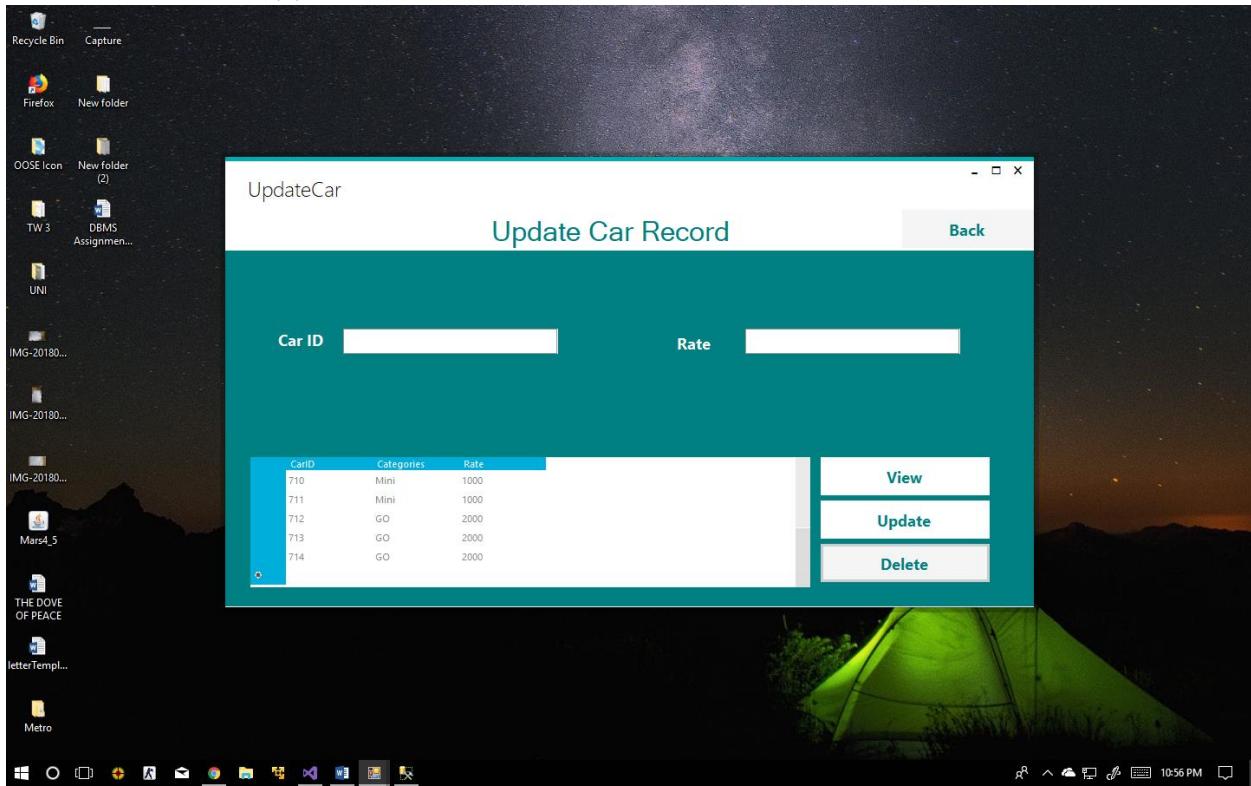
### 8.2.13 Car Records (5):



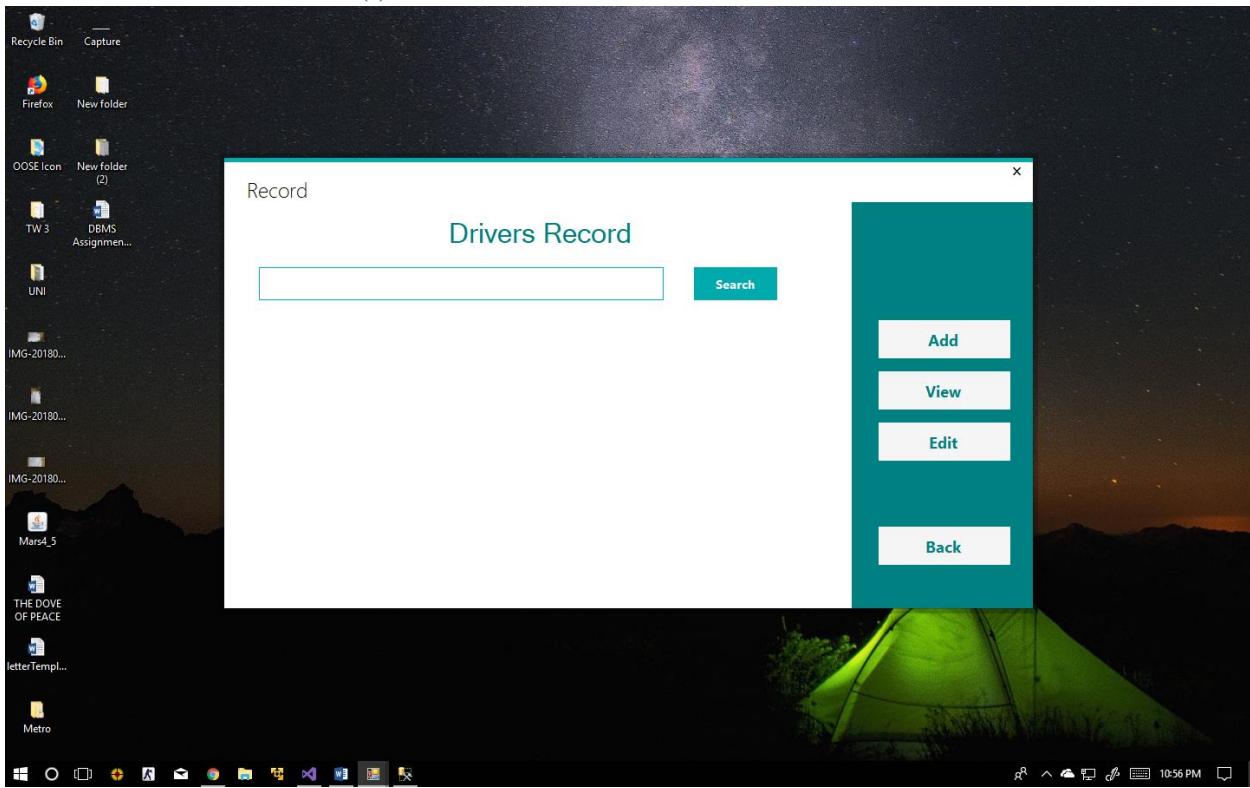
#### 8.2.14 Car Records (6):



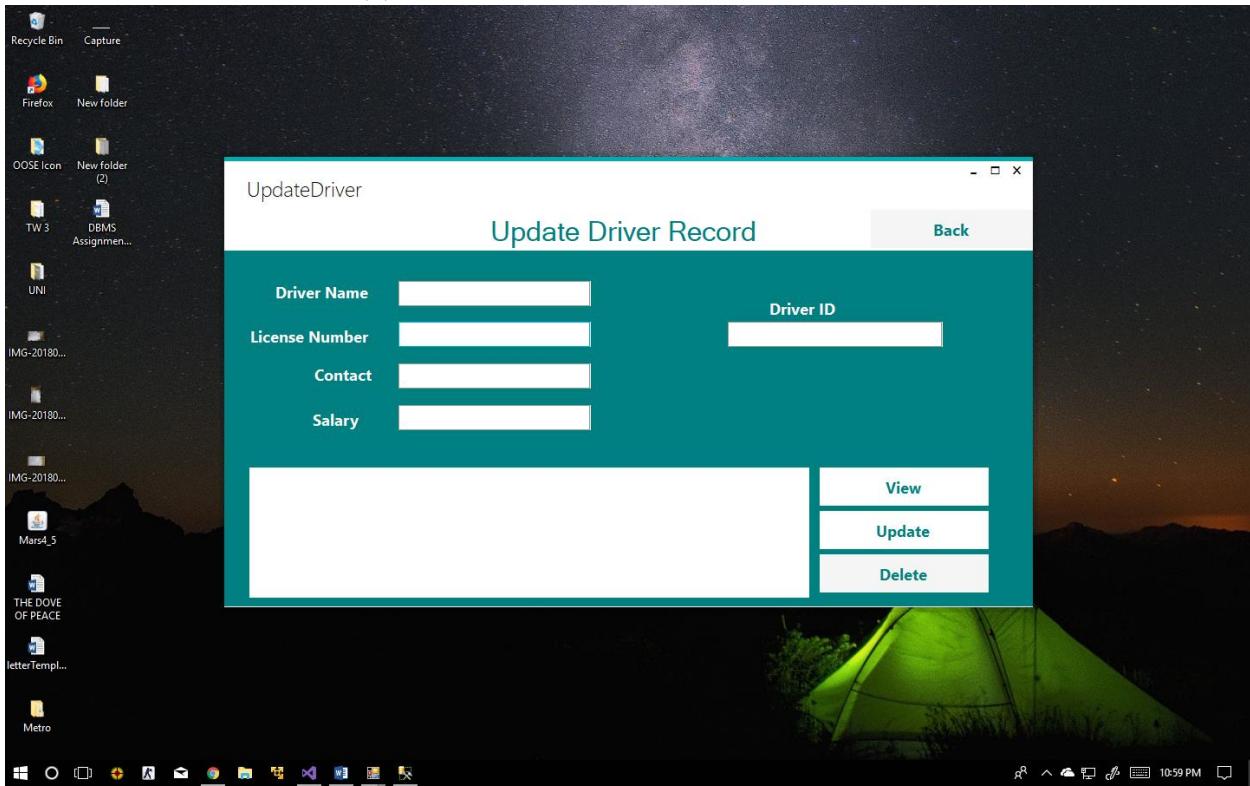
#### 8.2.15 Car Records (7):



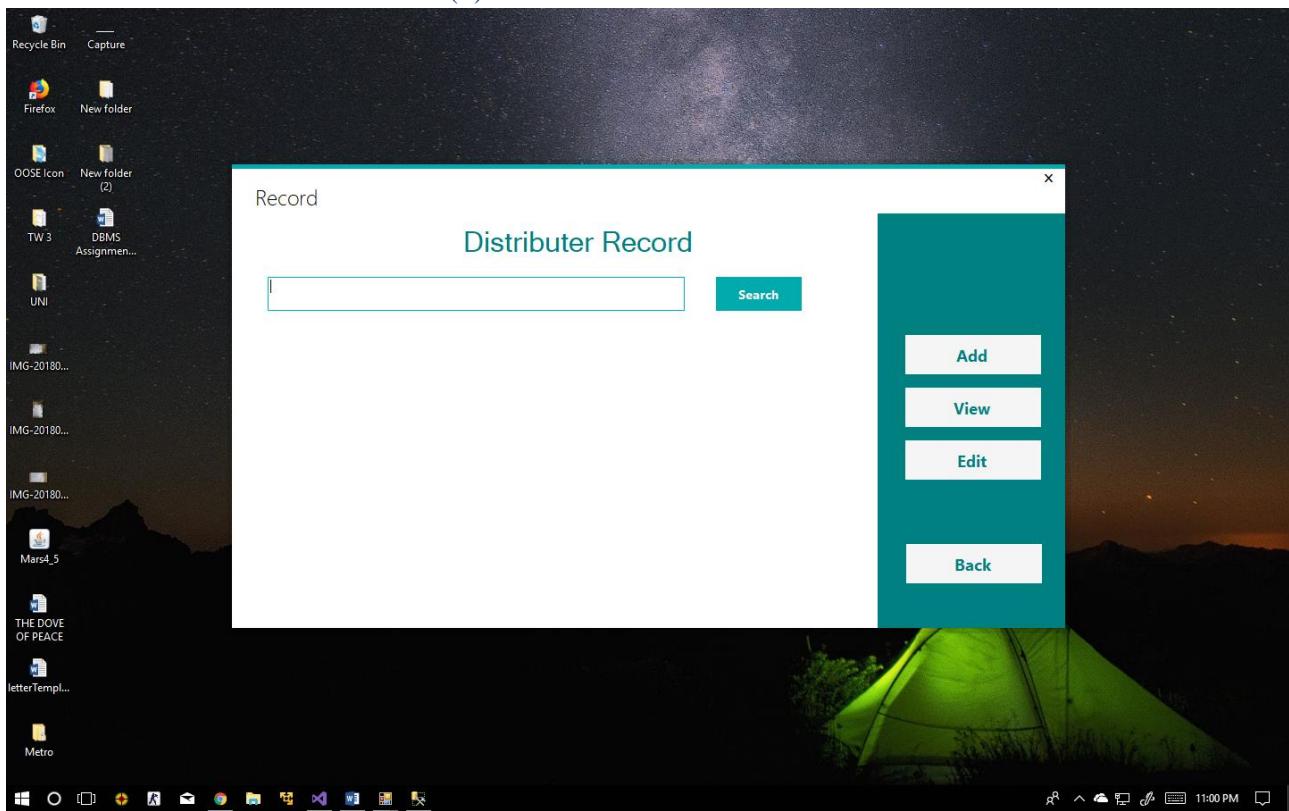
### 8.2.16 DRIVER RECORD(!):



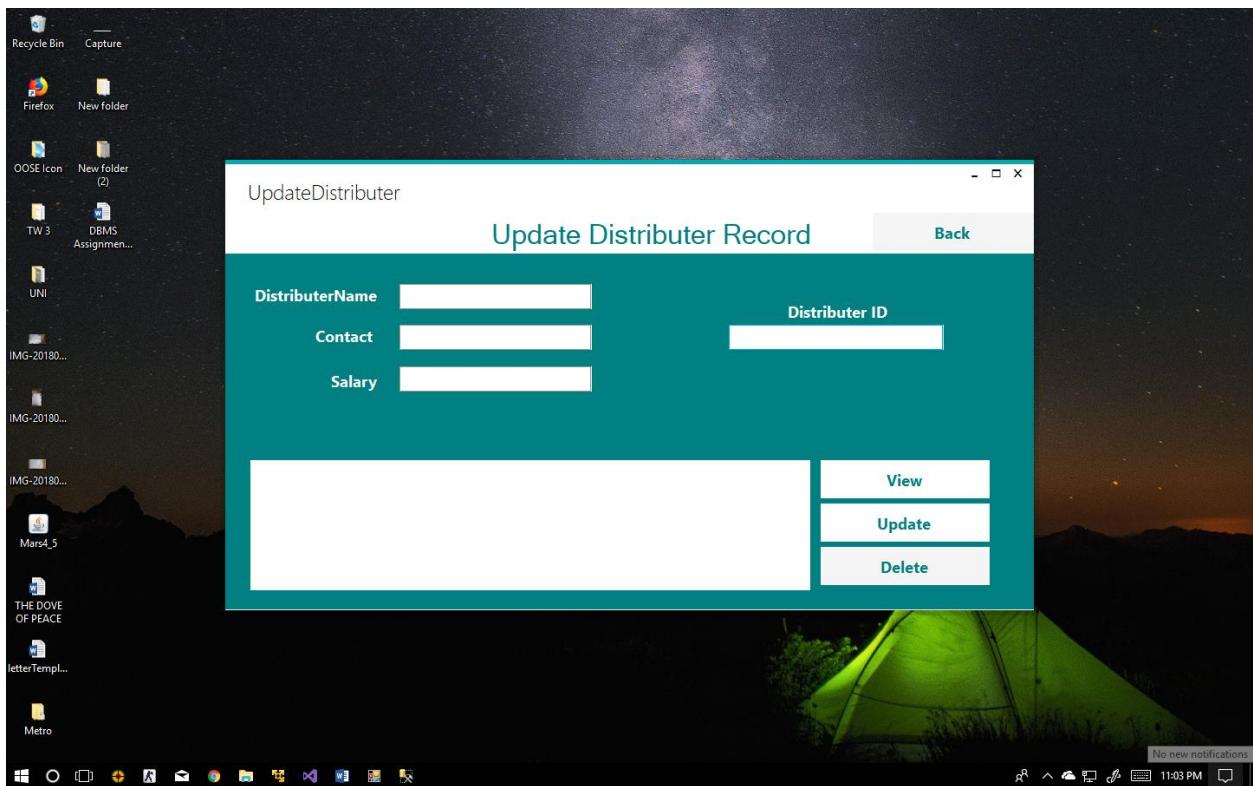
### 8.2.17 DRIVER RECORD(2):



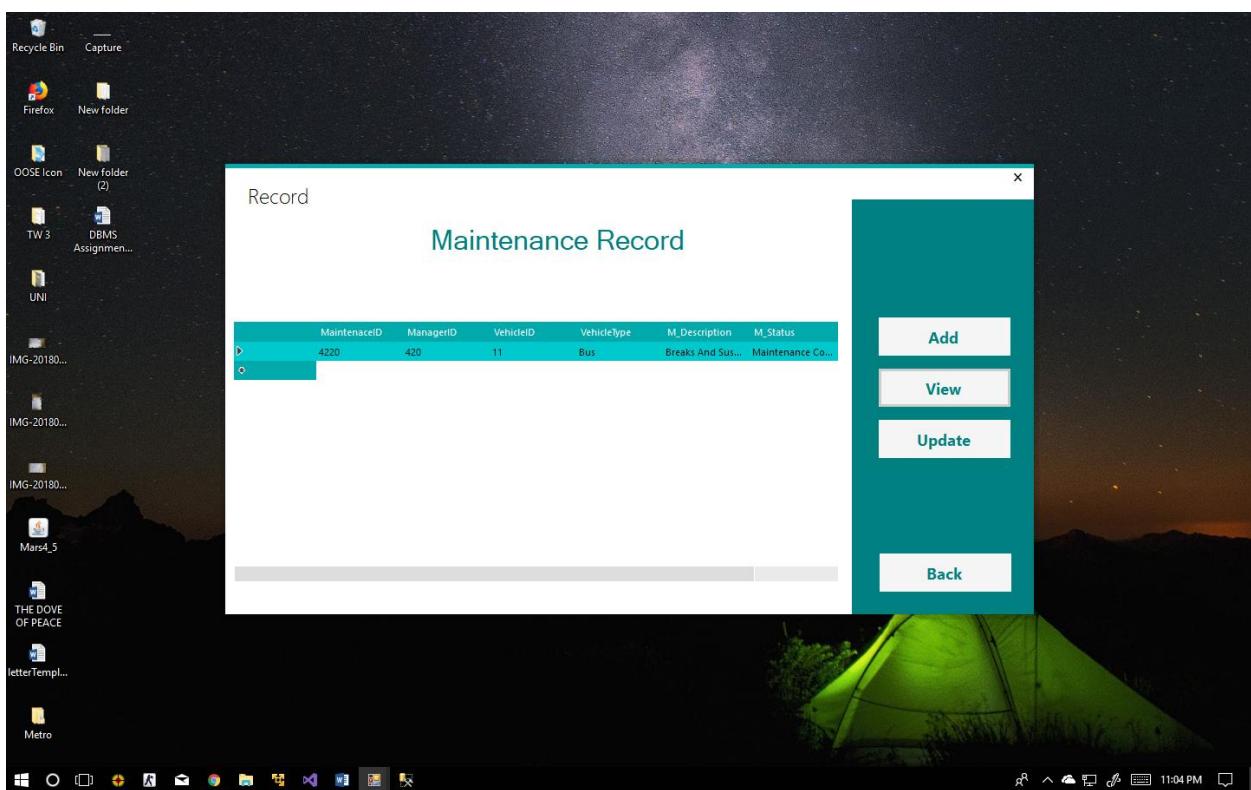
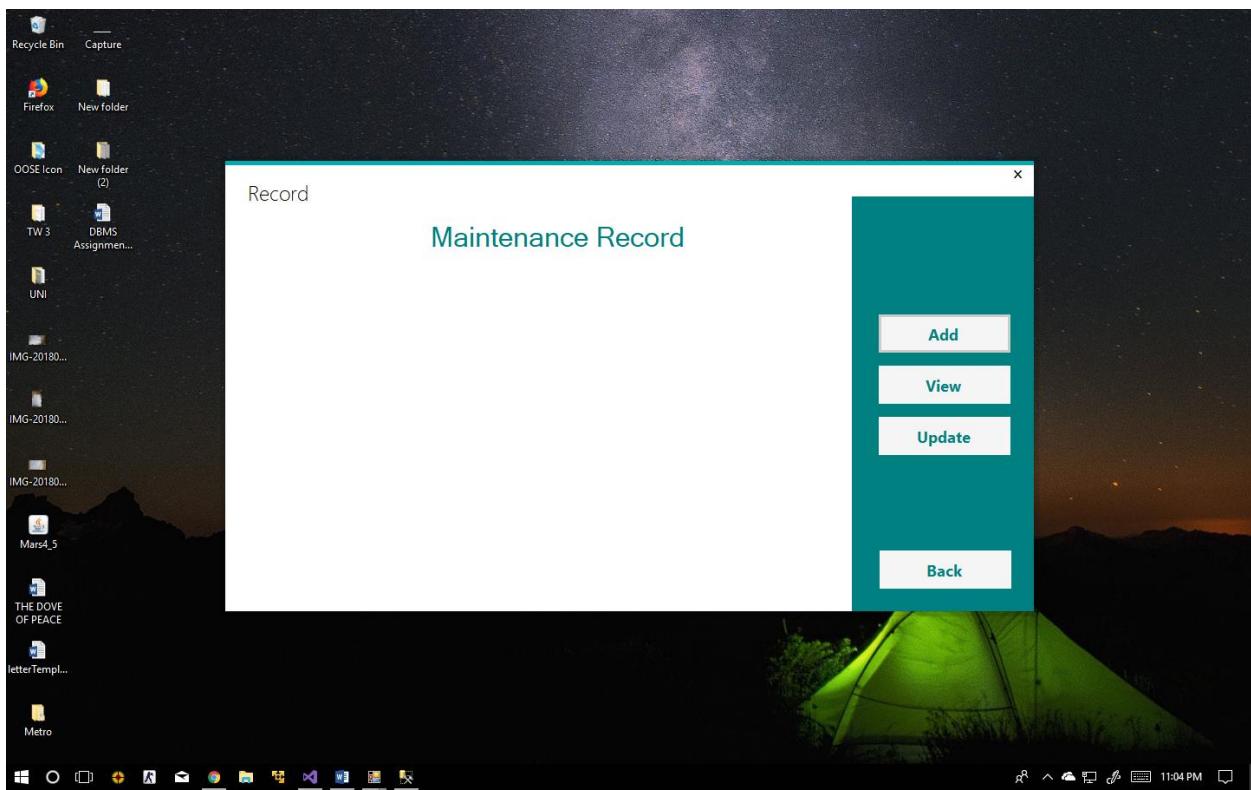
### 8.2.18 DISTRIBUTER RECORD(1):



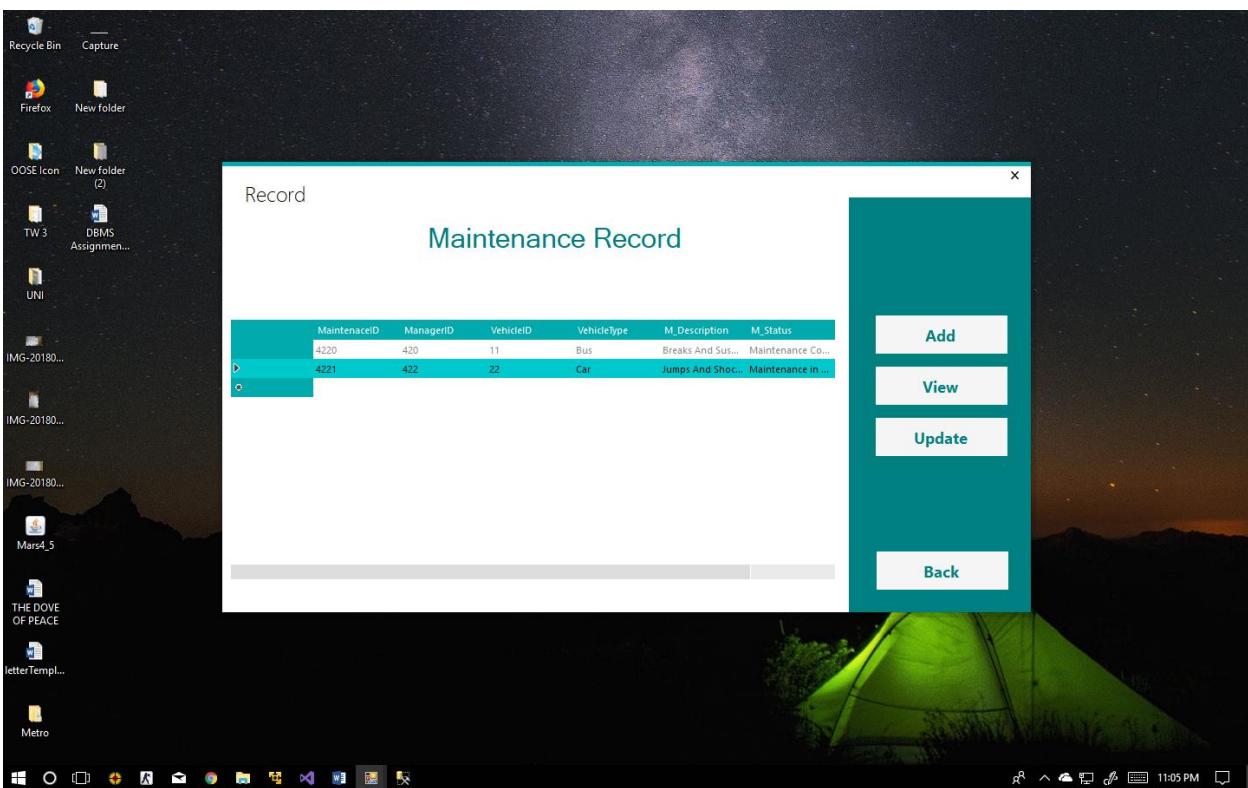
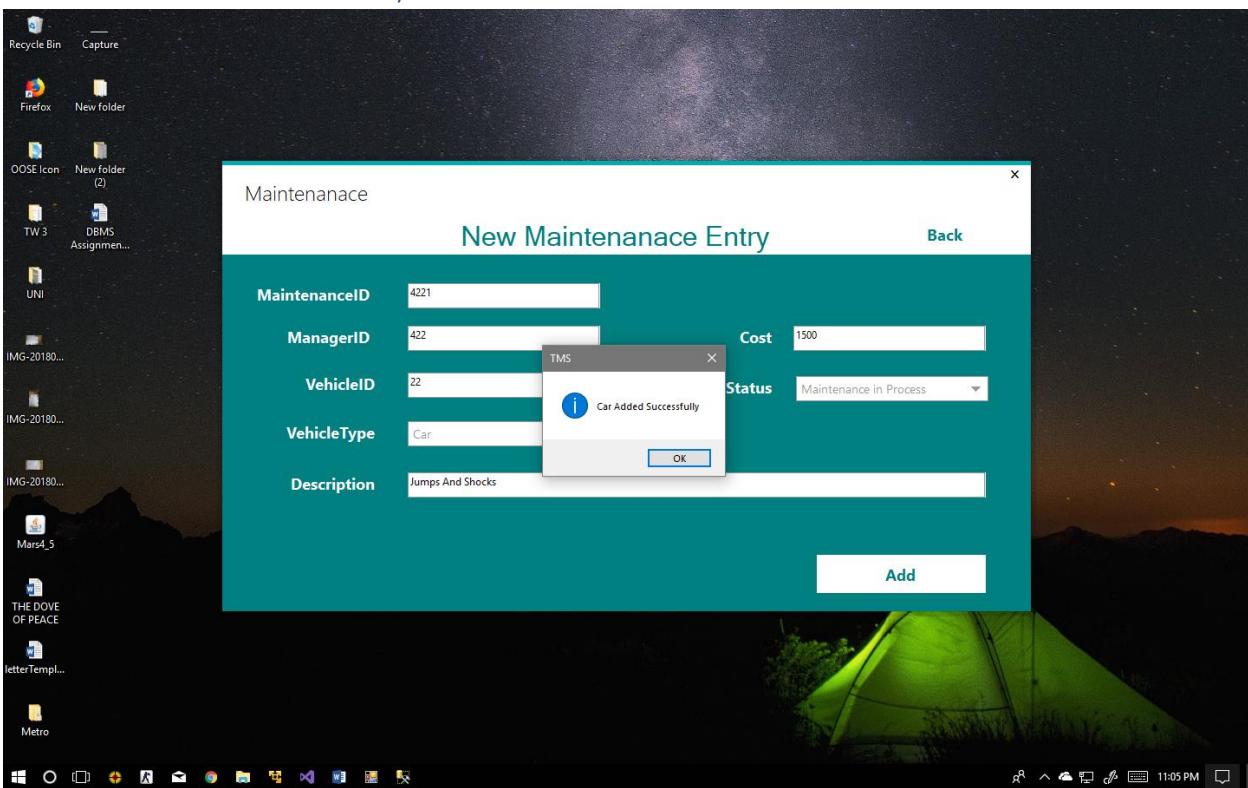
### 8.2.19 DISTRIBUTER RECORD:



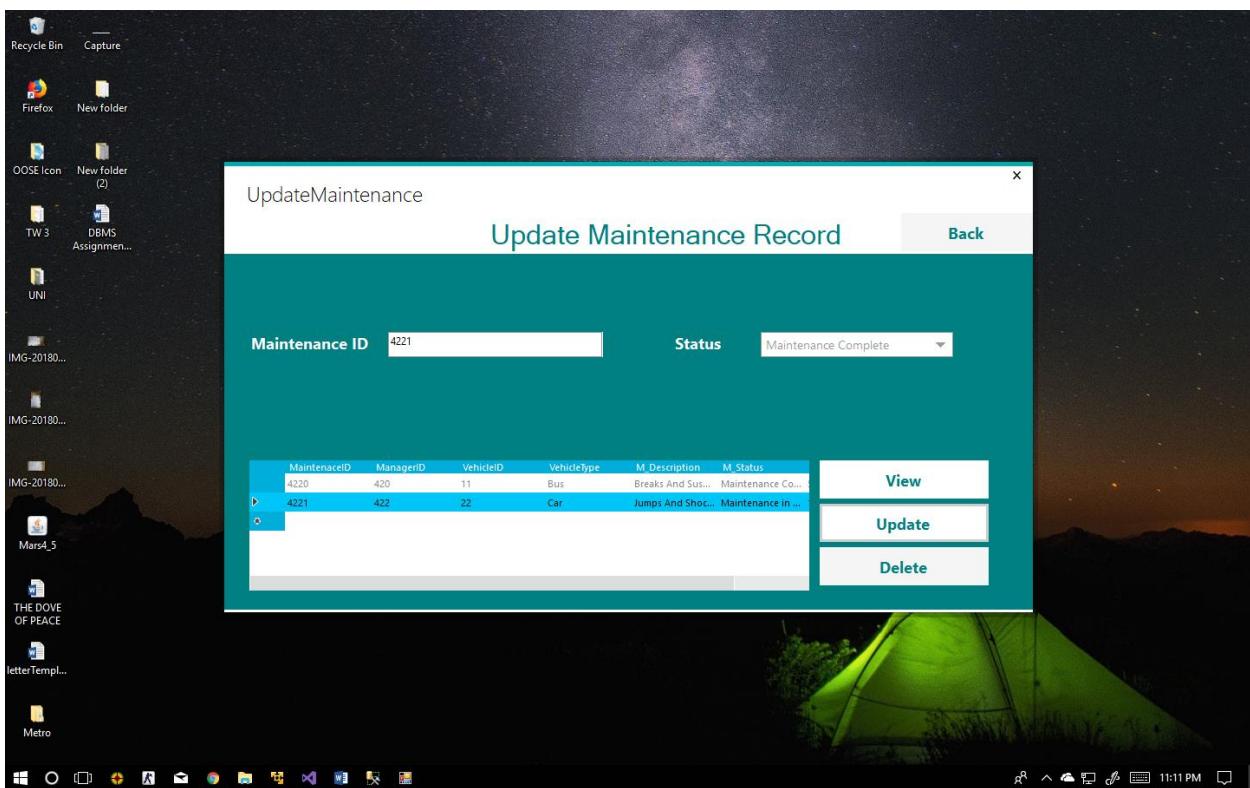
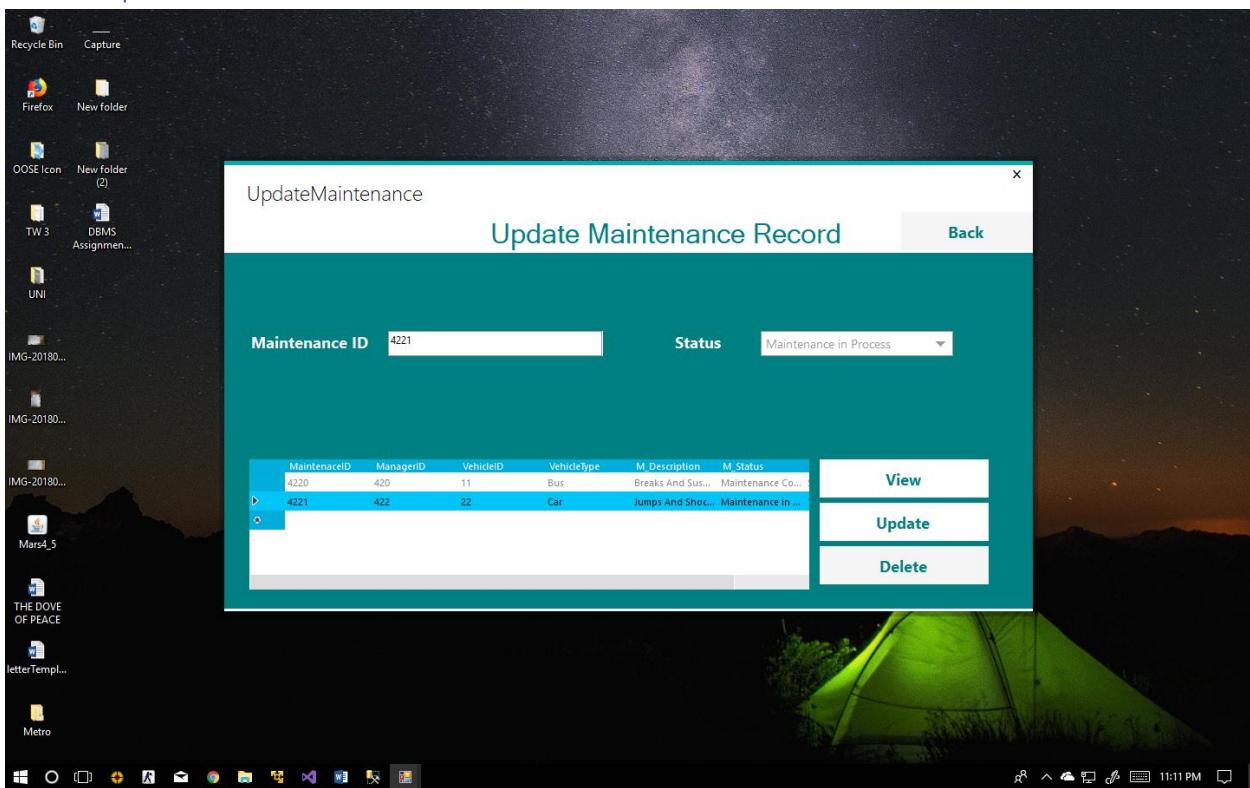
### 8.2.20 Maintenance record:



### 8.2.21 New maintenance entry record:



### 8.2.22 Update maintenance record:



## **9 CONCLUSION:**

With the transport management system you can fully and completely manage your transportation business without any effort and with complete security of company's data and with all the features to make the business easy and manageable.

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