# DSA LAB SEMESTER PROJECT

# Project Report

## "CAR MANAGEMENT SYSTEM"

**Submitted to:** 

Sir Usman Ahmad

**Submitted by:** 

Name	Reg no.
Syed kashif ali	2020-CS-656
Usman akram	2020-CS-659

UNIVERSITY OF ENGINEERING AND TECHNOLOGY

LAHORE (NEW CAMPUS)

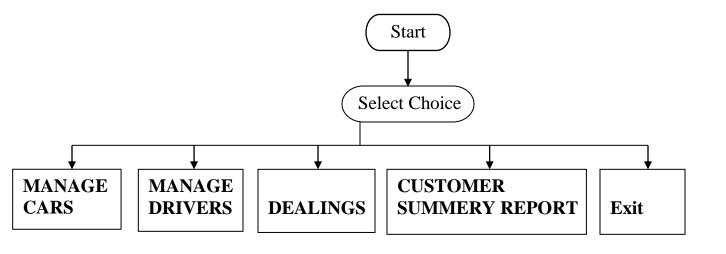
## **INTRODUCTION:**

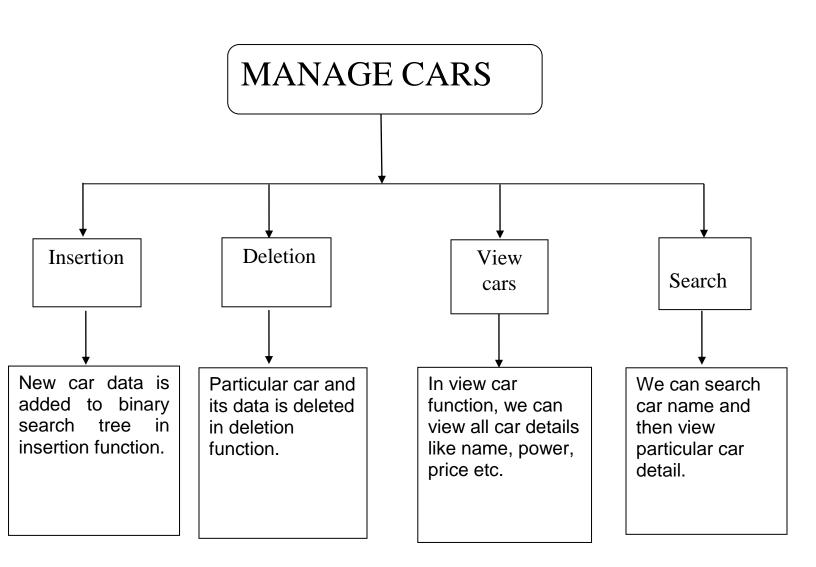
Now a days, every car showroom manager has need to maintain customers, drivers and cars details. With this program, manager can easily and conveniently maintain the all showroom details.

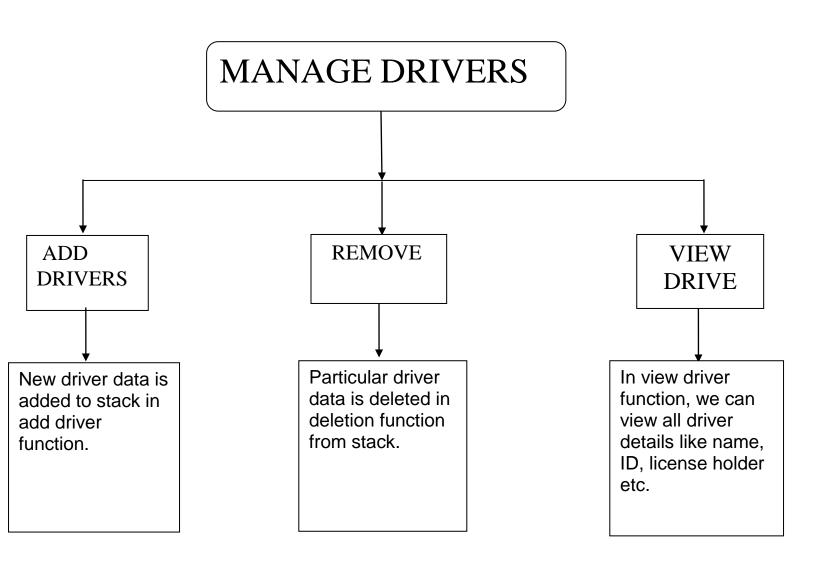
## **Functionality:**

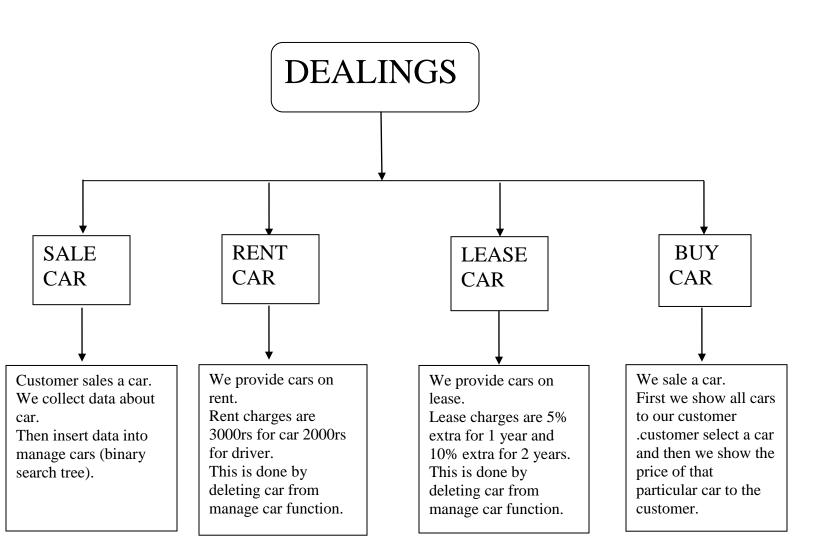
In "car management system" project, enter the input as all car details (car number, car name, engine number, power, price, model of car) & driver's information. Then you can perform sale, buy, rent & lease car functions.

## **PROJECT DIAGRAM:**









## **OUT PUT OF PROGRAM**

### **MAIN MENU:**

### **MANAGE CARS:**

```
1.VIEW CARS
2.ADD CARS
3.SEARCH CARS
4.BACK TO MENU
5.EXIT

Please enter a number :
```

## **ADDITION OF NEW CARS:**

In (add new car) option add the car details such as car number, car name, engine number, power, price, model of car.

### **VIEW CARS:**

```
_____
                                         ====== MANAGE CARS ======
                                         _____
                             1. VIEW CARS
                             2.ADD CARS
                             3.SEARCH CARS
                             4. BACK TO MENU
                             5.EXIT
     Please enter a number : 1
                             |Engine Name
Car #
              Name
                                                         Price
11
               suzuki
                                57
                                                          3000000
                                 455
                                                           2000000
              wagnor
                                                  678
Press any key to continue . . . _
```

## **SEARCH CAR:**

**SEARCH:** In search option, search the information about particular car, such as car number, car name, engine number, power, price, model of car.

#### **MANAGE DRIVERS:**

### **ADD DRIVERS**

In (add driver) option, add the driver details such as driver ID number, driver name, phone number, license holder.

```
======= MANAGE DRIVERS =====

1.ADD DRIVER
2.REMOVE DRIVER
3.VIEW DRIVER LIST
4.BACK TO MENU
5.EXIT

Please enter a number : 1

Enter you name :junaid

Enter you ID number :345675

Enter you contact mumber :0343356

Enter you age :21

Are you license holder? (Y/N) :Y
```

#### **DRIVER LIST:**

### • VIEW DRIVER LIST:

In (view driver list) option, we can see all drivers along with details.

#### **DEALINGS:**

In dealings, we delete the record of particular car number, car name, engine number, power, price, model of car.

```
======= DEALING CARS =======

1.SALE CARS
2.RENT CAR
3.LEASE CAR
4.BUY CAR
5.BACK TO MENU
6.EXIT

Please enter a number :
```

## SALE CAR:

```
_____
                                               ====== DEALING CARS ======
                                               _______
                                  1. SALE CARS
                                  2.RENT CAR
                                  3. LEASE CAR
                                  4.BUY CAR
                                  5. BACK TO MENU
                                  6.EXIT
      Please enter a number : 1
Enter car no :1
Enter engine no : 4564
Enter engine cc : 67677
Enter car name : suzuki
Enter car price :2000000
Press any key to continue . . .
```

### **RENT CAR:**

```
_____
                                           ===== DEALING CARS ======
                                           1. SALE CARS
                              2.RENT CAR
                              3. LEASE CAR
                              4.BUY CAR
                              5.BACK TO MENU
                              6.EXIT
      Please enter a number : 2
                                              | CC | Price
Car #
               Name
                               Engine Name
                                                     | 67677 | 2000000
                                  4564
               suzuki
1
                                  5454
1 2
               wagnor
                                                    43434
                                                               3000000
| 3
                               4345
                                                  54545 3500000
               avr
Do you need a driver (Y/N): _
                                | Engine Name
                                                              Price
Car #
                Name
                suzuki
                                 4564
                                                      67677 | 2000000
1
 2
               wagnor
                                  5454
                                                      43434
                                                                  3000000
                                4345
                                                   54545 3500000
3
               avr
Do you need a driver (Y/N): Y
                   OPERATION PERFORMED SUCCESSFULLY!!!
                          OUR PER DAY CHARGES OF RENT ARE 3000 ruppies'
                          OUR PER DAY CHARGES OF DRIVER ARE 2000 ruppies
      FOR HOW MANY DAYS YOU WANT TO RENT A CAR. : 4
      Enter a car no which do you want : 2
                  THANKS FOR SELECTING THIS CAR
             YOUR RENT CHARGES FOR 4 DAYS ARE :14000
Press any key to continue . . . _
```

## LEASE CAR:

## **BUY CAR:**

```
====== DEALING CARS ======
                                         ______
                             1. SALE CARS
                              2.RENT CAR
                             3. LEASE CAR
                             4.BUY CAR
                             5. BACK TO MENU
                             6.EXIT
     Please enter a number : 4
               |Name
| suzuki
                             Name
Car #
1
     Enter a car no which do you want : 1
                 THANKS FOR SELECTING THIS CAR
           YOUR TOTAL PAYMENT IS : 2000000
Press any key to continue . .
```

## **CUSTOMER SUMMERY REPORT:**

Customer summery report contains customer details along with selected car.