SRI KRISHNA INSTITUTIONS

BOOTATHON PROJECT

VEHICLE PARKING MANAGEMENT SYSTEM

TEAM : **S10**

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VEHICLE MANGEMENT SYSTEM

BUSINESS REQUIREMENTS

The following are the business requirements of this project

S.I	Requirements	status
1	Login	
2	Vehicle details	
3	Slot allotment	
4	Payment	
5	Display	

1.LOGIN

This section contains the login details.

- The username and password should not exceed 20 characters long.
- String compare checks the username and password.
- If both are matching it displays “Login Successfully” otherwise it displays “Username or Password is incorrect”.

2.VEHICLE DETAILS

This section deals with the identification of the vehicle.

- By macros, BIKE and CAR are assigned as 0 and 1.
- According to the type of vehicle the security gives the input.
- The vehicle number is stored in string of 11 characters.
- The entry time is based on the system time which is in 24 hr format.
- Based on the above details token is generated.

3.SLOT ALLOTMENT

This section allocates the space for vehicles.

- Based on the token ,the type of vehicle is identified.
- For the Two wheeler parking 5 floors and 50 columns are allocated.
- And for the four wheeler parking 2 rows and 50 columns are allocated.
- If the type is found ,specified space is allocated for its token number.
- A message is displayed when there is no space.

4.PAYMENT

This module deals with the amount to be paid.

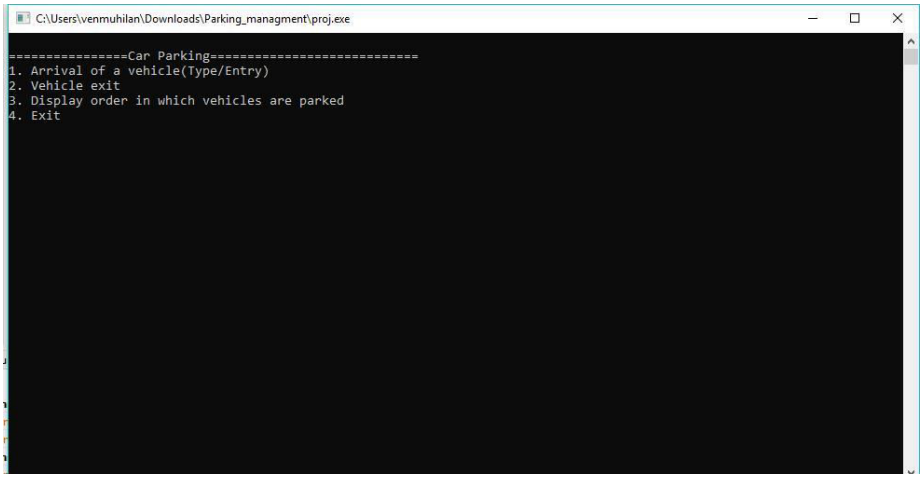
- All the fields are mandatory.
- The exit time is noted.
- According to entry and exit time of the respective vehicle, the parking fee is generated.

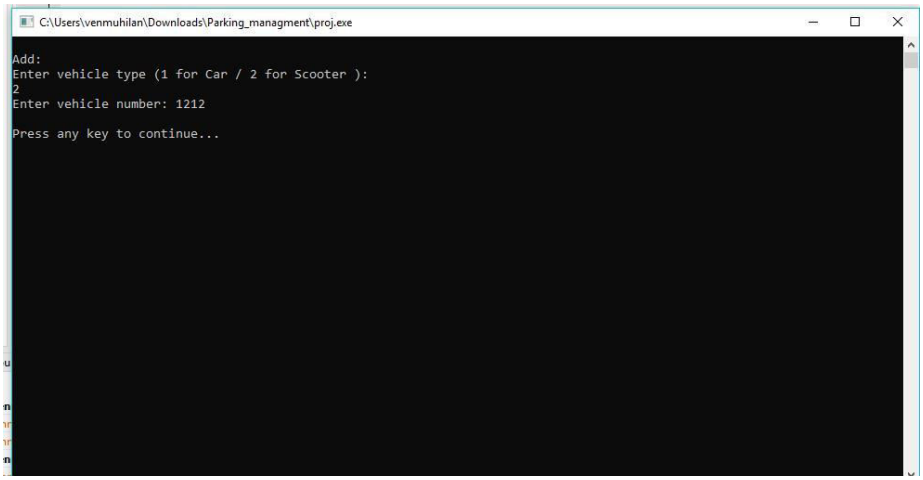
5.DISPLAY

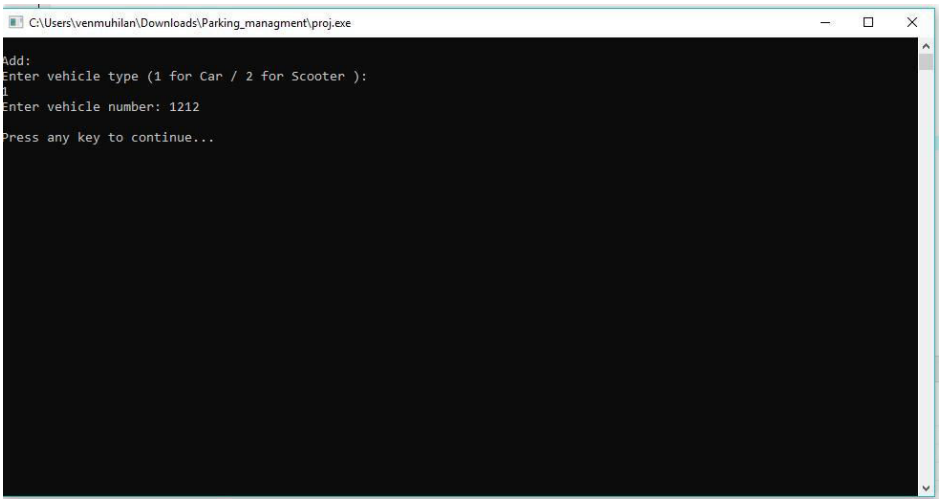
This module displays the status of the parking area.

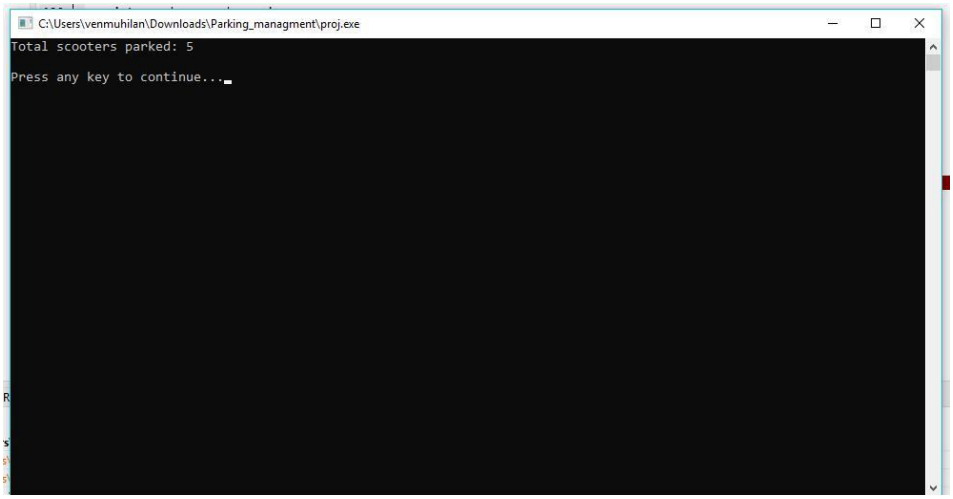
- By Switch case ,various display tasks have been done.
- It displays the entry and exit time log of vehicle.
- It also displays the availabilityof parking space
- All are user demand cases.

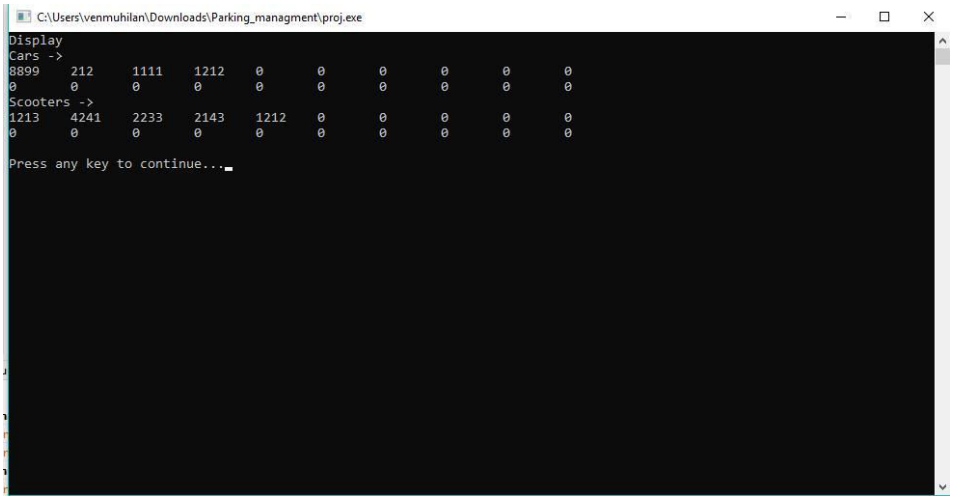
SCREENSHOT:


C:\Users\venmuhilan\Downloads\Parking_managment\proj.exe
==========Car Parking==========
1. Arrival of a vehicle(Type/Entry)
2. Vehicle exit
3. Display order in which vehicles are parked
4. Exit


C:\Users\venmuhilan\Downloads\Parking_managment\proj.exe
Add:
Enter vehicle type (1 for Car / 2 for Scooter):
2
Enter vehicle number: 1212
Press any key to continue...


C:\Users\venmuhilan\Downloads\Parking_managment\proj.exe
Add:
Enter vehicle type (1 for Car / 2 for Scooter):
1
Enter vehicle number: 1212
Press any key to continue...


C:\Users\venmuhilan\Downloads\Parking_managment\proj.exe
Total scooters parked: 5
Press any key to continue...


C:\Users\venmuhilan\Downloads\Parking_managment\proj.exe
Display
Cars ->
8899 212 1111 1212 0 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
Scooters ->
1213 4241 2233 2143 1212 0 0 0 0 0
0 0 0 0 0 0 0 0 0 0
Press any key to continue...