**VEHICLE PARKING MANAGEMENT SYSTEM**

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**INTRODUCTION TO PROJECT**

The project involve the person on duty controlling the vehicle parking system .The project manages the number of vehicles according to the space available in parking area. It counts how many vehicles are parked in the area, and will be able to enter the record of different vehicles with different charges and also assigns the token number.

**REQUIREMENTS**

There are three types of vehicles that can be parked in parking

area:

Cars : Rs 50

Rikshas : Rs 30

Buses : Rs 100

Maximum number of cars, rikshas and buses that can be parked are 100.

The person should be able to see the records (Amount of charges

+number of vehicles parked in parking) and result should be displayed on screen.

**UML DIAGRAM**

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| --- |
| **parking**  **-**name:string  **-**ID:int |
| **#** parking():default  **#** parking(string,int)  **+**virtual getdata():void  **+** virtual putdata():void |

|  |
| --- |
| **Car**  **-**carno: string  **-**carmodel: string  **-**carcolor: string |
| **#** Car():default  **#**Car(string,string,string,  string,int) **+**getdata():void overridden  **+**putdata():void overridden |

|  |
| --- |
| **Riksha**  **-**rikshano: string  **-**rikshamodel: string  **-**rikshacolor: string |
| **#** Riksha():default  **#**Riksha(string,string,string  string,int)  **+**getdata():void overridden  **+**putdata():void overridden |

|  |
| --- |
| **Bus**  **-**busno: string  **-**busmodel: string  **-**buscolor: string |
| **#** Bus():default  **#**Bus(string,string,string, string,int)  **+**getdata():void overridden  **+**putdata():void overridden |