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| Vehicle Showroom    Management    System |

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ABSTRACT:-

**Vehicle Showroom Management System** Project provides solution for showrooms for organizing data using software application. This software application helps administrator to update data in step by step process while selling vehicle to customer. Using this system management team can update customers information, vehicle information, payment details, Insurance details ,loan details,workers details .etc.  
   Vehicle showroom software is presently used in every car, bike showrooms for computerizing entire system.

Regarding customer details it contains information about customer name, mobile number,purchased vehicle details etc ,in vehicle information it contains vehicle model ,weight and some specific details about the vehicle .In payment module it includes the selling and buying cost details .Coming to insurance and loan details they are traced using vehicle number. In workers module it contains the details of the people who are working in the showroom such as their name,mobile number,experience,no of vehicles they sold ,salary etc.

**REQUIREMENT ANALYSIS:**

LIST OF TABLES:

**SHOWROOM\_DETAILS**

**VEHICLE\_ DETAILS**

**CUSTOMER\_DETAILS**

**EMPLOYEE\_DETAILS**

OREDER\_DETAILS

**LOAN\_DETAILS**

INSURANCE\_DETAILS

**List of attributes with their domain types :-**

**Showroom:**

Showroomid : SR\_ID -varchar2(20)

Showroomaddress:SR\_address-varchar(20)

No of vehicles:v\_ID-NUMBER (20);

**VEHICLES:**

**vehicleID**: V\_ID-VARCHAR2(20)

vehicle model:v\_model-Text

vehicle colour:V\_colour-varchar2(20)

vehicle weight:v\_weight-Varchar(20)

**CUSTOMERS:**

**Customer\_name**:C\_name-varchar(20)

Customer contact:C\_contact-varchar(20)

Customer\_mail:C\_mail-varchar(50)

Customer address-C\_address-text

Customers vehicle ID:V\_ID-varchar(30)

**EMPLOYEES:**

**Employee type:E\_type-varchar(20)**

**Employee name:E\_name-varchar(20)**

**Employee salary:E\_salary-varchar(20)**

**Employee experience:E\_contact -varchar(20)**

OREDERS:

Order sno:O\_sno-varchar(20)

Order vehicle id: V\_ID-varchar(20)

Customer name:C\_name-varchar(20)

Customer contact:C\_contact-varchar(20)

**LOANS:**

**Sno:L\_sno-varchar(10)**

**Loan holder name:C\_name-varchar(30)**

**Loan holder contact:** :C\_contact **-varchar (30)**

**Loan vehicle Id:V\_ID-varchar(20)**

**Loan amount:L\_amount-varchar(20)**

INSURANCES:

Insurance holder:C\_name-varchar(20)

Vehicle ID:v\_ID-varchar(20)

Contact:contact-varchar(20)

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| **CUSTOMERS** |

buy

Taken by

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| OREDER |

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| --- |
| INSURANCE |

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| --- |
| **EMPLOYEES** |

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| --- |
| **VEHICLES** |

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| --- |
| **LOANS** |

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| **SHOWROOM** |

In showroom

of

OF

has

**MAPPING CARDINALITY AND PARTICIATION CONSTRAINTS:**

EMPLOYEES OF SHOWROOM which is many to one participation because many employees can work in a single showroom.

CUSTOMERS BUY VEHICLES is many to many participation because may cutomers buy many vehicles.

Vehicle has insurance is one to one participation because one vehicle can have only one insurance.

Loans taken by customers is many to one participation because many loans can be taken by one customers.

DDL commands

**create table showroom(**

SR\_ID varchar(20),

SR\_address varchar(20),

V\_ID number(20));

**CREATE TABLE Vehicles(**

V\_ID number(20),

V\_model varchar(100),

V\_colour varchar(20),

V\_weight number(10),

PRIMARY KEY (V\_ID)

);

**CREATE TABLE customers(**

C\_name varchar(20),

C\_contact number(10),

C\_mail varchar(50),

C\_address varchar(400),

V\_ID number(20)

);

**CREATE TABLE Employee(**

E\_ID varchar2(20),

E\_type varchar(20),

E\_name varchar(50),

E\_salary Number(10),

E\_contact Number(20),

PRIMARY KEY (E\_ID)

);

**CREATE TABLE Loans(**

L\_ID number(10),

C\_name varchar(20),

C\_contact number(20),

V\_ID number(20),

L\_amount number(30)

);

**CREATE TABLE Insurance (**

C\_name varchar(20),

V\_ID number(20),

C\_contact number(20)

);

DML commands

INSERT INTO SHOWROOM VALUES(‘&SR\_ID’,’&SR\_address’,&v\_ID);

INSERT INTO Vehicles

VALUES (&v\_ID,’&v\_model’,’&v\_colour’,&V\_weight);

INSERT INTO Customers

VALUES(‘&C\_name’,&C\_contact,’&C\_mail’,’&C\_address’,&V\_ID);

INSERT INTO Employee

VALUES(‘&E\_ID’,’&E\_type’,’&E\_name’,&E\_salary,&E\_contact);

INSERT INTO loans

VALUES(&L\_ID,’&C\_name’,&C\_contact,&V\_ID,&L\_amount);

INSERT INTO insurance

VALUES (‘&c\_name’,&V\_ID,&C\_contact);













