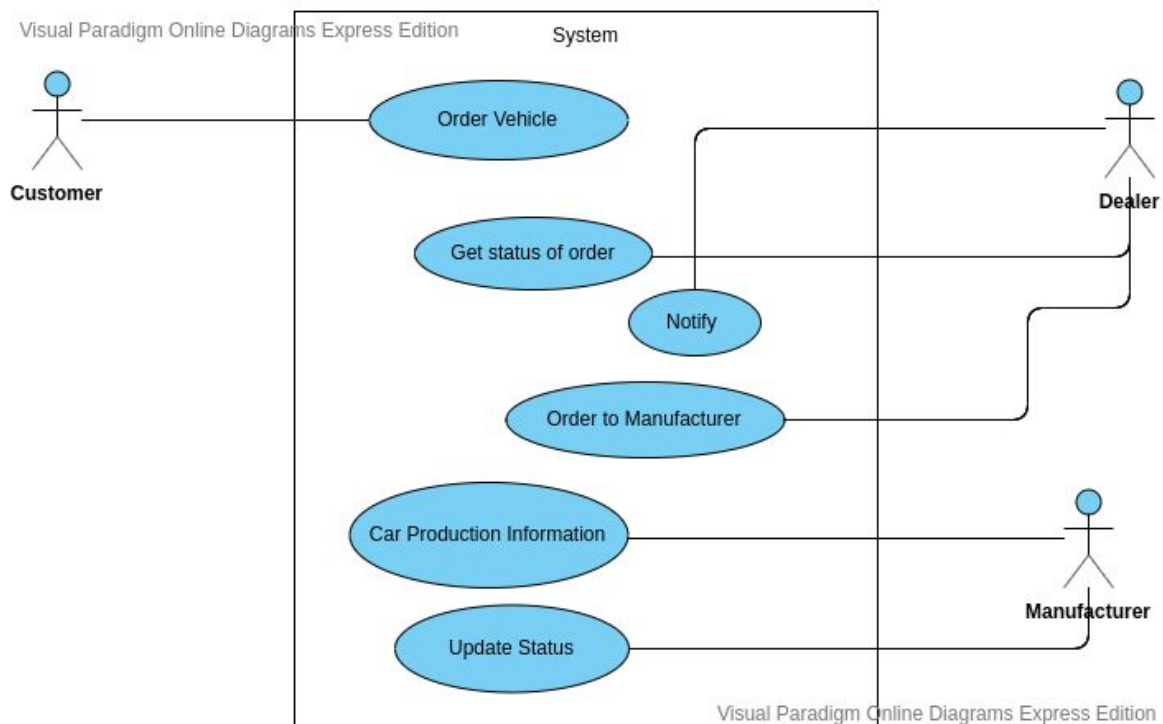# Use Case Description Document

Use case ID: C1
Use case Name: Order Vehicle
Use Case Description: The customer has the privilege and permission to invoke an order request regarding the car with full details of the car.
Actors: Customer is the only 'actor' involved in this use case
Flow:

> Normal Flow : The customer enters his details and also places the order after verifying details.
> Exceptional Flow : In case of wrong information the sales executive will get in touch with the customer

---

Use case ID: M1
Use case Name: Update Production Information
Use Case Description: The manufacturer keeps track of record of all the vehicles he produces and the dealers to which he has supplied each of them along with detailed information of each component.
Actors: Manufacturer is the only 'actor' involved in this use case
Flow:

> Normal Flow : Manufacturer updates the production units' information.

Use case ID: M2
Use case Name: Update Status
Use Case Description: Manufacturer changes status of the order
Actors: Manufacturer is the only 'actor' involved in this use case
Flow:
    <u>Normal Flow :</u> Manufacturer updates availability and status of the order so that the dealer can proceed with subsequent transactions.

Use case ID: D1
Use case Name: Place Order to Manufacturer
Use Case Description: The dealer places the order to the manufacturer.
Actors: Dealer is the only 'actor' involved in this use case
Flow:
    <u>Normal Flow :</u>Dealer places a set of orders in equal intervals of time to the manufacturer.

Use case ID: D2
Use case Name: Get Order Status
Use Case Description: Dealer gets the information about the order processing by the factory to update the customers with their order status.
Actors: Dealer is the only 'actor' involved in this use case
Flow:
    <u>Normal Flow:</u>Dealer gets the status of the order.

Use case ID: D3
Use case Name: Give notification to the customer
Use Case Description: Once the order is ready the customer is given the notification by the dealer.
Actors: Dealer is the only 'actor' involved in this use case
Flow:
    <u>Normal Flow:</u> Dealer send an email to the customer once the order is processed.
    <u>Exceptional Flow :</u> If the email is not available then the sales executive calls the customer personally and intimate the customer.

Relational Database Design

Table Name: Customer

Name of Column	Data Type	Constraints
ID	Integer	PK, SK
Name	char	
Email	char	

Table Name : Orders

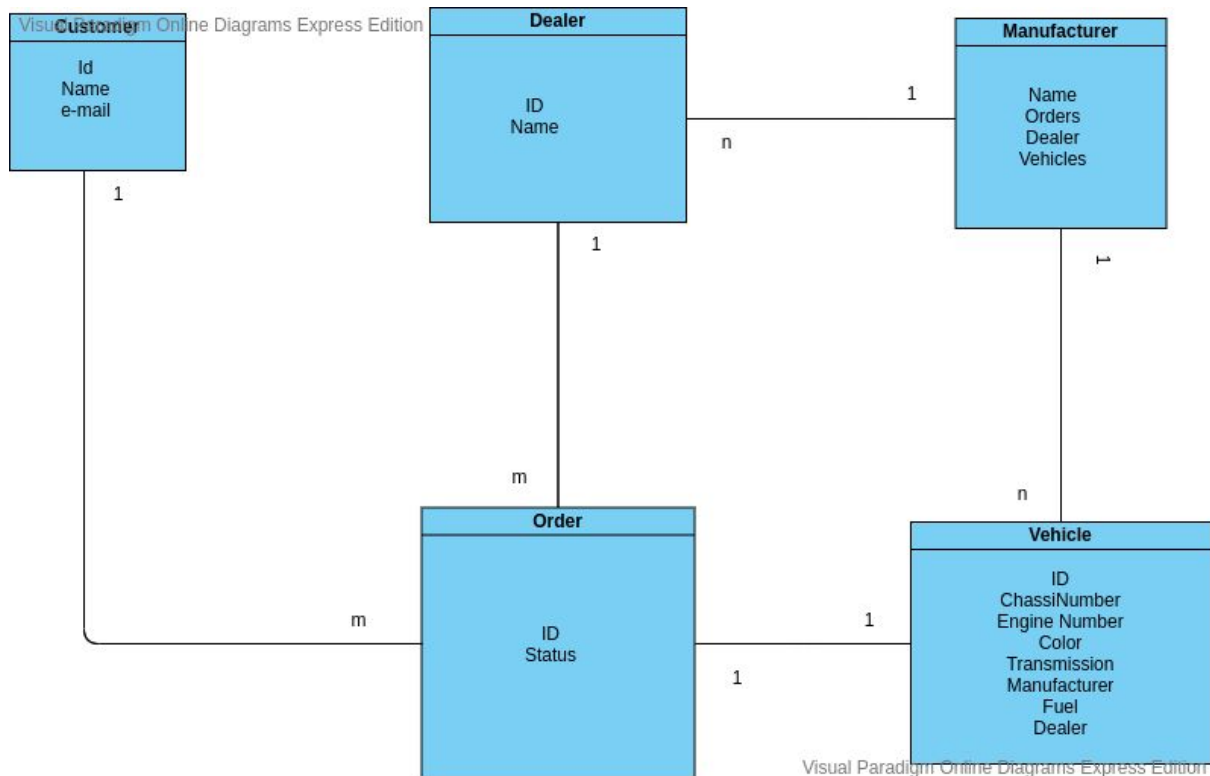| Name of Column	Data Type	Constraints
ID	Integer	PK
Status	char	
Vehicle_ID	Integer	FK referencing Orders
Customer_ID	Integer	FK referencing Customer
Dealer_ID	Integer	FK referencing Dealers, NOT NULL

Table Name: Dealers

Name of Column	Data Type	Constraints
ID	Integer	PK, SK
Name	char	

Table Name : Vehicle

Name of Column	Data Type	Constraints
ID	Integer	PK, SK
Chassis Number	Integer	
Engine Number	Integer	
Fuel	char	
Transmission	char	
Order_id	Integer	FK referencing Orders, NULL constraint
Manufacturer	char	

There is no Manufacturer's table even though there is a class because according to the problem at hand, there is one and only one manufacturer.

UML Class diagram

Menu Screenshots and Visual Demo

1)

Menu

New Dealer

Loyal Customer

Car Sales Management

New Customer

Dealer

Manufacturer
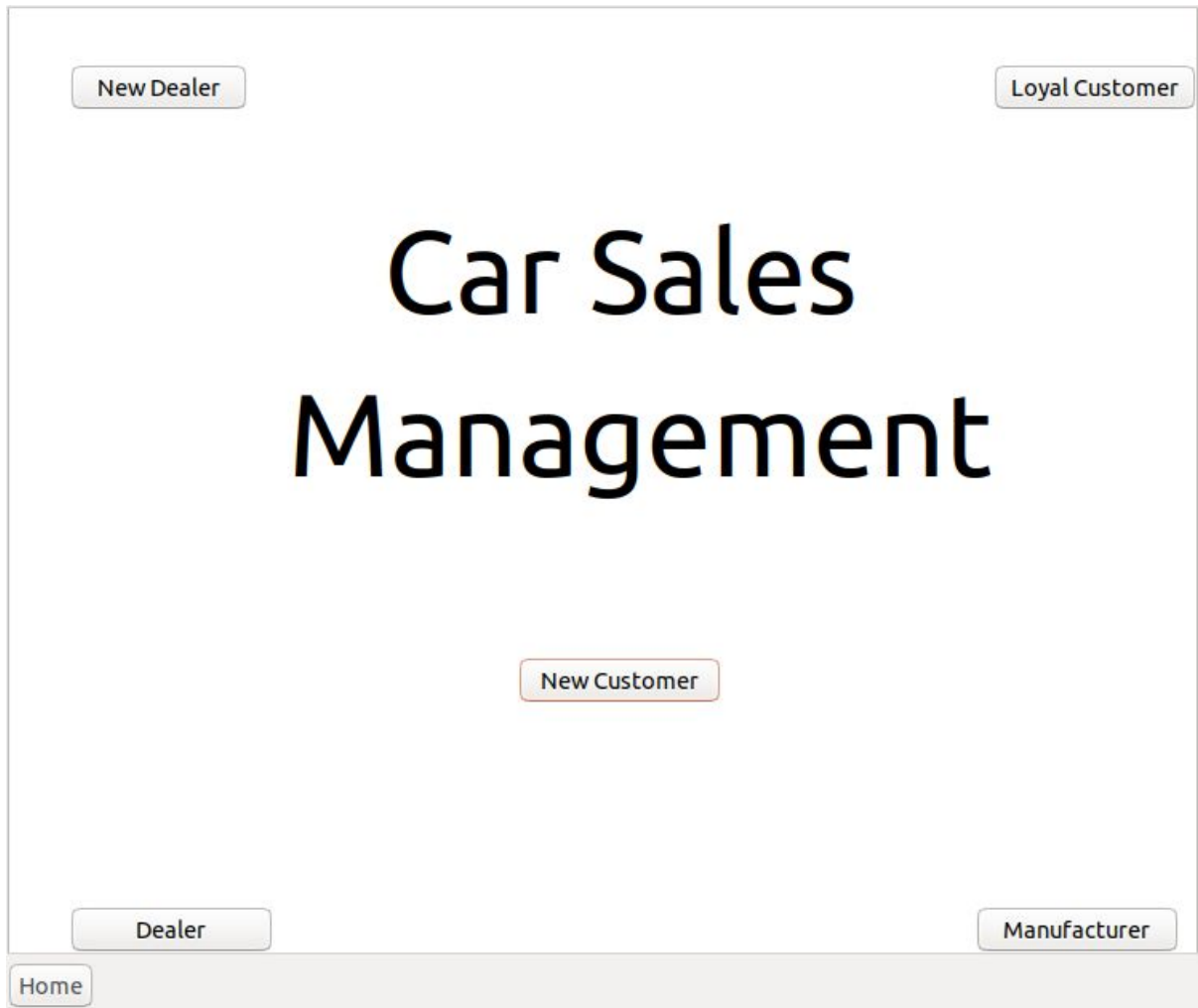
Home

2) Input for a **New Customer**

Customer Input

Name   Purvaj

Email   spurvaj@gmail.com

Cancel   Ok

Home

3) Customer Searching for his **ID.** Second functionality issued by a customer to get his **order status** which he will get from the place order page.

Name   Purvaj

                                          Get Id

Email   spurvaj@gmail.com

Order Id   Get Status

                        1

Home

Name

                                Get Id
Email

Order Id   1   Get Status

DELIVERED

Home

4) Placing order by **customer** and **dealer id**. This will also display the order number.

        CONTACT CUSTOMERS : This will send an email to all the customers whoe's orders are being processed.

        DELIVER PRODUCTS : This will also deliver the products to the customers and change the status of all the orders to **DELIVERED**.

Customer Id   `1`

Dealer Id   `2`

                                      [Place order]

                                    ORDER ID: 3

      [Contact Customers]   [Deliver Product]

[Home]

5) Page to register a new **Dealer.**

Dealer Name [   ]

[Create Dealer]

[Home]

README.md

----dbms.zip

       (Archive file)Contains all the files of the eclipse.(Must be used so that hibernate and gui works.)

----src

       Contains all the ".java" files.

----sql

       Contains two files

       -- ddl.sql

       -- dml.sql

----IMT2017039.pdf

       Contains the project report

S Purvaj

IMT2017039