APPLICATION NAME:

MOBILE SHOP

Software System : My SQL Command Line Client , SQL, Star UML

Purpose Of Application :

1) We will keep our Customer Details with help of this Program Customer Details will consist of Phone Number, Customer Id ,Name, Address and Amount Paid .
2) We will keep records of Mobile available in our shop as well as remaining stocks and the records will consist of Brand id, Brand name, Model name , IMEI Number and Price.
3) Our Software will also provide records of Various Offers related to our products and that records would consist of Offer Id, Offer Discount , Brand Id and Model name.
4) We would also keep records of Products purchased in Bill Table and that records would consist of Customer Price ,Customer Name , Bill ID.
5) To login to the System we will also keep records Admin Id and Password
6) We will also provide a feedback Section in our Software wherein we can collect feedback of customers and that records would consist of Feedback Id , Ratings , Mobile Number and Customer Name.

Concept Model:

Login Table:

Login_id	Password

Mobile_Brand Table:

Brand_id	Brand_Name	Model_name	IMEI_No	Price

Customer Table:

Cust_id	Cust_Name	Cust_Add	Contact_no	Amount_paid

Bill Table:

Bill_id	Cust_Name	Price

Offer Table:

Offer_id	Offer_Discount	Brand_id	Model_Name

Feedback Table:

Feedback_id	Ratings	Cust_name	Mobile_no

Logical Model :

Login Table :

Admin_ID	int(30)
Password	nvarchar(30)

Mobile_Brand:

Brand_Id	Int(50)
Brand_Name	Nvarchar(30)
Model_Name	Nvarchar(30)
IMEI_Number	Int(30)
Price	Int(10)

Customer Table:

Cust_ID	Int(10)
Cust_Name	Nvarchar(30)
Cust_MobileNo	Int(10)
Cust_Add	nvarchar(50)
Amount_Paid	Int(30)

Bill_Table:

Bill_ID	Int(30)
Cust_Name	Varchar(30)
Price	Int(30)

Offer_Table:

Offer_Id	Int(10
Offer_Discount	Decimal(50)
Brand_ID	Int(30)
Model_Name	Nvarchar(30)

Feedback table:

Feedback_Id	Int(10)
Ratings	Int(5)
Customer_Name	Varchar(30)
Mobile_No	Nvarchar(30)

ER Diagram :
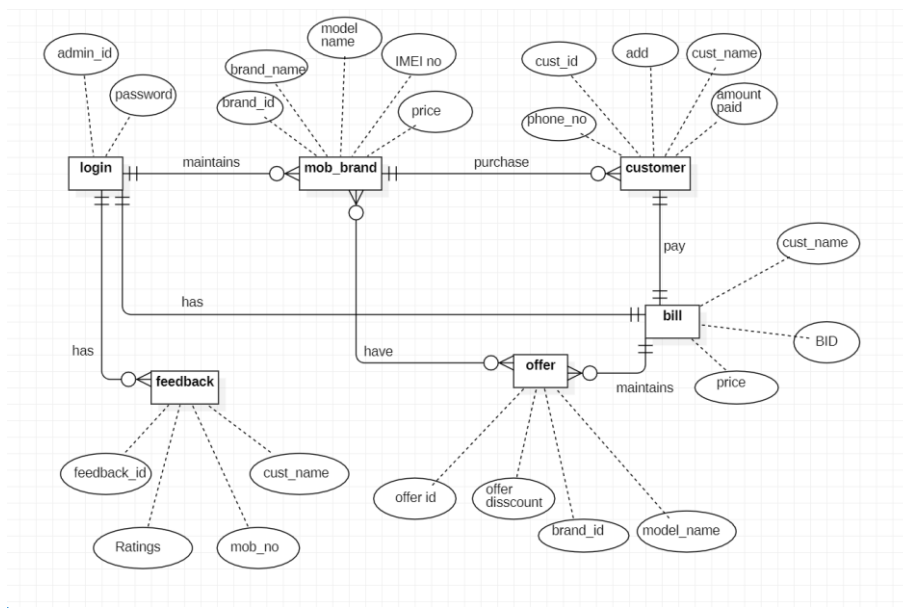
Database My SQL Query Program:

#Create Database

mysql> create database Shop;

Query OK, 1 row affected (0.11 sec)

##Show Database

mysql> show database;

#Select Database

mysql> use Shop

Database changed

#Create Table Customer

mysql> create table customer(Cust_ID int(10),Cust_Name varchar(30),Cust_MobileNo int(10),Cust_Add varchar(50),Amount_Paid int(30));

Query OK, 0 rows affected (0.08 sec)

#Create Table Mobile_Brand

mysql> create table Mobile_Brand(Brand_ID int(50),Brand_Name nvarchar(30),Model_Name nvarchar(30),IMEI_Number int(30),Price int(10));

Query OK, 0 rows affected (0.14 sec)

#Create Table Bill

mysql> create table Bill(Price int(30),Bill_ID int(30),Cust_Name varchar(30));

Query OK, 0 rows affected (0.11 sec)

#Create Table Login

mysql> create table login(Admin_ID int(30),Password nvarchar(30));

Query OK, 0 rows affected (0.15 sec)

#Show all tables Made

mysql> show tables;

```
+----------------+
| Tables_in_Shop |
+----------------+
| Shop           |
| customer       |
| login          |
| mobile         |
+----------------+
```

4 rows in set (0.00 sec)

#Check All Contents from Shop

mysql> select*from Shop;

Empty set (0.00 sec)

#Describe Shop (Check all tables in Shop)

mysql> describe Shop;

```
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| Price     | int(30)     | YES  |     | NULL    |       |
| Shop_ID   | int(30)     | YES  |     | NULL    |       |
| Cust_Name | varchar(30) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
```

3 rows in set (0.09 sec)

mysql> select*from Shop;

Empty set (0.00 sec)

#Insert values in Bill

mysql> insert into Bill values(15000,01,"Gaurang");

Query OK, 1 row affected (0.03 sec)

#Check all values in Mobile Table

mysql> select*from Mobile_Brand;

Empty set (0.00 sec)

#Insert Values in Mobile_Brand Table

mysql> insert into Mobile_Brand values (1,"Samsung","Galaxy",23168,15000);

Query OK, 1 row affected (0.12 sec)

mysql> describe offer;

```
+----------------+---------------+------+-----+---------+-------+
| Field          | Type          | Null | Key | Default | Extra |
+----------------+---------------+------+-----+---------+-------+
| Offer_ID       | int(10)       | YES  |     | NULL    |       |
| Offer_Discount | decimal(50,0) | YES  |     | NULL    |       |
+----------------+---------------+------+-----+---------+-------+
```

2 rows in set (0.01 sec)

#Check all values in Customer Table

mysql> select*from customer;

Empty set (0.00 sec)

#Insert Values in Customer Table

mysql> insert into customer values(1,"Gaurang",1234567891,"Mumbai",10000);

Query OK, 1 row affected (0.03 sec)

#Check all values in Login Table

mysql> select*from login;

Empty set (0.00 sec)

#Insert Values in Login Table

mysql> insert into login values(1,12345);

Query OK, 1 row affected (0.05 sec)

#Check Tables

mysql> show tables;

```
+----------------+
| Tables_in_Shop |
+----------------+
| Shop           |
| customer       |
| login          |
| mobile         |
+----------------+
```

4 rows in set (0.00 sec)

#Describe Bill (Check all tables in Shop)

mysql> describe Bill;

```
+-----------+-------------+------+-----+---------+-------+
| Field     | Type        | Null | Key | Default | Extra |
+-----------+-------------+------+-----+---------+-------+
| Price     | int(30)     | YES  |     | NULL    |       |
| Bill_ID   | int(30)     | YES  |     | NULL    |       |
| Cust_Name | varchar(30) | YES  |     | NULL    |       |
+-----------+-------------+------+-----+---------+-------+
```

3 rows in set (0.01 sec)

#Check all values of Bill

mysql> select*from Bill;

```
+-------+---------+-----------+
| Price | Bill_ID | Cust_Name |
+-------+---------+-----------+
| 15000 |       1 | Gaurang   |
+-------+---------+-----------+
```

1 row in set (0.00 sec)

#Check all values of Customer

mysql> select*from customer;

```
+---------+-----------+--------------+----------+-------------+
| Cust_ID | Cust_Name | Cust_MobileNo | Cust_Add | Amount_Paid |
+---------+-----------+--------------+----------+-------------+
|       1 | Gaurang   |   1234567891 | Mumbai   |       10000 |
+---------+-----------+--------------+----------+-------------+
```

1 row in set (0.00 sec)

#Check all values of Mobile

mysql> select*from mobile;

```
+-------------+--------------+----------+
| Mobile_Name | Mobile_Price | Phone_ID |
+-------------+--------------+----------+
| Lava        |        15000 | 12562626 |
+-------------+--------------+----------+
```

1 row in set (0.00 sec)

#Check all values of Login

mysql> select*from login;

```
+----------+----------+
| Admin_ID | Password |
+----------+----------+
|        1 | 12345    |
+----------+----------+
```

1 row in set (0.00 sec)

#Show Database

mysql> show databases;

```
+--------------------+
```

```
| Database           |
+--------------------+
| information_schema |
| Shop               |
| mysql              |
| test               |
+--------------------+
4 rows in set (0.00 sec)
```

#Enter into Shop

mysql> use Shop;

Database changed

#Create New Table Feedback

mysql> create table feedback(feedback_id int(10),ratings int(5),Customer_Name varchar(30),Mobile_Name nvarchar(30));

Query OK, 0 rows affected (0.16 sec)

#Create New Table Offer

mysql> create table Offer(Offer_ID int(10),Offer_Discount decimal(50));

Query OK, 0 rows affected (0.16 sec)

#Check all values of Feedback

mysql> select*from feedback;

Empty set (0.00 sec)

#Insert Values in Feedback

mysql> insert into feedback values(6511264,4,"Pritam","Lava");

Query OK, 1 row affected (0.03 sec)

#Check all values of Offer

mysql> select*from Offer;

Empty set (0.00 sec)

#Insert Values in Feedback

mysql> insert into Offer values(2564165,50);

Query OK, 1 row affected (0.05 sec)

#Show All Tables

mysql> show tables;

```
+----------------+
| Tables_in_Shop |
```

```
+----------------+
| Shop           |
| customer       |
| feedback       |
| login          |
| mobile         |
| offer          |
+----------------+
6 rows in set (0.00 sec)
```

#Check all values of Feedback

mysql> select*from feedback;

```
+-------------+---------+---------------+-------------+
| feedback_id | ratings | Customer_Name | Mobile_Name |
+-------------+---------+---------------+-------------+
|    6511264  |    4    | pritam        | Lava        |
+-------------+---------+---------------+-------------+
```

1 row in set (0.00 sec)

#Check all values of Offer

mysql> select*from Offer;

```
+----------+----------------+
| Offer_ID | Offer_Discount |
+----------+----------------+
| 2564165  |        50      |
+----------+----------------+
```

1 row in set (0.00 sec)

#Inserting News Values in Offer

mysql> insert into offer values(1651,50);

Query OK, 1 row affected (0.03 sec)

#Check weather New Values are inserted in Offer Table or not

mysql> select*from Offer;

```
+----------+----------------+
| Offer_ID | Offer_Discount |
+----------+----------------+
| 2564165  |        50      |
```

| 1651 | 50 |

+----------+----------------+

2 rows in set (0.00 sec)

NEW VALUES INSERTED

#Check Number of Values in Offer

mysql> select count(*) from Offer;

+----------+

| count(*) |

+----------+

| 2 |

+----------+

1 row in set (0.00 sec)

To connect this Database to Python or Jupyter Notebook

Python Connectivity Program is also given in Repository