COMSATS UNIVERSITY ISLAMABAD, LAHORE CAMPUS

DATABASE

Lab Assignment 3

SUBMITTED BY:
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SECTION :
B
SUBMITTED TO:
Miss Zeenat Afzal

SUBMITTED DATE:
13 June 2021

Contents

Data-Base Management System Lab Assignment 3

Name of Project:
Shopping Storm

Group Member:
- Abdul Majid (FA19-BSE-014)

DDL:

```sql
CREATE DATABASE ShoppingStrom;
USE ShoppingStrom;

CREATE TABLE Admin(
    Admin_ID varchar(5) PRIMARY KEY,
    F_Name varchar(15) NOT NULL,
    L_Name varchar(20),
    DOB DATE,
    Age INT CHECK (Age > 5),
    Email varchar(30) UNIQUE NOT NULL,
    Password varchar(20) NOT NULL,
    Address varchar(40),
    Gender char(1) CHECK (Gender = 'F' OR Gender = 'M') NOT NULL,
    Phone_No integer
);

CREATE TABLE Customer(
    Customer_ID varchar(5) PRIMARY KEY,
    F_Name varchar(15) NOT NULL,
    L_Name varchar(20),
    DOB DATE,
    Age INT CHECK (Age > 0),
    Email varchar(30) UNIQUE NOT NULL,
    Password varchar(20) NOT NULL,
    Address varchar(40),
    Gender char(1) CHECK (Gender = 'F' OR Gender = 'M') NOT NULL,
    Phone_No integer
);

CREATE TABLE Categories(
```

```sql
        Category_ID varchar(5) PRIMARY KEY,
        Category_Name varchar(10) CHECK (Category_Name IN ('Sneakers',
'Flip-Flops', 'Sandals',
        'Slippers', 'Loafers','joggers','Baggy Pants', 'Jeans','Palazzo',
'Straight Pants','Leggings',
        'Dress pants','Check pants',' Oxford Button-Down','Dress
Shirt','Cuban Collar Shirt',
        'Overshirt','Flannel Shirt','Office Shirt','Linen Shirt')),
        Category_Type varchar(10) CHECK (Category_Type IN ('Formal',
'InFormal, Casual')),
);

CREATE TABLE Product(
        Product_ID varchar(5) PRIMARY KEY,
        Title varchar(35) NOT NULL,
        Brand_Name varchar(20),
        Color varchar(15),
        Size varchar(15) NOT NULL,
        Description varchar(225),
        Price integer NOT NULL Default 0,
        For_Gender char(1) CHECK (For_Gender = 'F' OR For_Gender = 'M' OR
For_Gender = 'B') NOT NULL
        Default 'B',
        Type varchar(30) NOT NULL CHECK (Type = 'FootWear' OR Type =
'Clotes'),
        Quantity integer default 1,
        AddBy varchar(5) FOREIGN KEY REFERENCES Admin(Admin_ID),
        Category_ID varchar(5) FOREIGN KEY REFERENCES
Categories(Category_ID)
);

CREATE TABLE Cart(
        Cart_ID varchar(5) PRIMARY KEY,
        Customer_ID varchar(5) FOREIGN KEY REFERENCES
Customer(Customer_ID) NOT NULL
);

CREATE TABLE Cart_Product(
        Cart_ID varchar(5) FOREIGN KEY REFERENCES Cart(Cart_ID),
        Product_ID varchar(5) FOREIGN KEY REFERENCES Product(product_ID)
NOT NUll,
        CONSTRAINT PK_Cart_Product PRIMARY KEY (Cart_ID,Product_ID)
);

CREATE TABLE Reviews(
        Review_ID varchar(5) PRIMARY KEY,
```

```sql
      Product_ID varchar(5) FOREIGN KEY REFERENCES Product(product_ID)
NOT NUll,
      Customer_ID varchar(5) FOREIGN KEY REFERENCES
Customer(Customer_ID) NOT NULL,
      Rate integer CHECK (Rate BETWEEN 1 AND 5)
);

CREATE TABLE Card_Info(
      Card_ID varchar(20) PRIMARY KEY,
      Card_Type varchar(10) CHECK (Card_Type IN ('Bank', 'EasyPaisa',
'JazzCssh')),
      Customer_ID varchar(5) FOREIGN KEY REFERENCES
Customer(Customer_ID) NOT NULL
);

CREATE TABLE Orders(
      Order_ID varchar(5) PRIMARY KEY,
      Address varchar(40) NOT NULL,
      Amount integer CHECK (Amount >= 0),
      Card_No varchar(20) FOREIGN KEY REFERENCES Card_Info(Card_ID) NOT
NULL
);
```

IN GRAPHICAL VIEW

DDL:

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Database

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