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| **COMSATS UNIVERSITY ISLAMABAD, LAHORE CAMPUS**  **Database**  **Lab Assignment 3** | **submitted by:**  **Abdul Majid (FA19-BSE-014**)  **sECTION :**  B  **submitted to:**  **Miss Zeenat Afzal**  **submitted DAte:**  **13 June 2021** |
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Data-Base Management System Lab Assignment 3

# Name of Project:

Shopping Storm

# Group Member:

* Abdul Majid (FA19-BSE-014)

# DDL:

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(

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,

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:





