**DDL Scripts**

**create schema food\_delivery;**

**SET search\_path TO food\_delivery;**

CREATE TABLE Customer (

Customer\_ID VARCHAR(10) PRIMARY KEY,

Name CHAR(20),

Device Count INT,

Phone\_Number VARCHAR(15),

Date\_of\_Registration DATE,

Email VARCHAR(20)

);

CREATE TABLE Customer\_Payment (

Customer\_ID VARCHAR(10),

Saved\_Payment\_Method CHAR(20),

PRIMARY KEY (Customer\_ID, Saved\_Payment\_Method),

FOREIGN KEY (Customer\_ID) REFERENCES Customer(Customer\_ID)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Menu (

Item\_ID VARCHAR(10) PRIMARY KEY,

Item\_Name CHAR(50),

Price INT,

Description CHAR(70),

Course CHAR(50),

Type CHAR(30)

);

CREATE TABLE Restaurants (

Restaurant\_ID VARCHAR(20) PRIMARY KEY,

Name CHAR(40),

Type CHAR(20),

Avg\_Price INT,

Ratings INT,

Contact\_No VARCHAR(15),

Sponsored CHAR(20),

Email VARCHAR(30),

City CHAR(30),

Street CHAR(30),

Availability CHAR(20),

PIN INT

);

CREATE TABLE Premium (

ID VARCHAR(20) PRIMARY KEY,

Start\_Date DATE,

End\_Date DATE,

Amount INT,

C\_ID VARCHAR(10),

FOREIGN KEY (C\_ID) REFERENCES Customer(Customer\_ID)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Cart (

Cart\_ID VARCHAR(10) PRIMARY KEY,

Item\_ID VARCHAR(10),

Restaurant\_ID VARCHAR(10),

Cust\_ID VARCHAR(10),

FOREIGN KEY (Item\_ID) REFERENCES Menu(Item\_ID)

ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (Restaurant\_ID) REFERENCES Restaurants(Restaurant\_ID)

ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (Cust\_ID) REFERENCES Customer(Customer\_ID)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Cart\_Items (

Cart\_ID VARCHAR(10),

Restaurant\_ID VARCHAR(20),

Item\_ID VARCHAR(20),

Quantity INT,

PRIMARY KEY (Cart\_ID, Item\_ID, Restaurant\_ID),

FOREIGN KEY (Cart\_ID) REFERENCES Cart(Cart\_ID)

ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (Item\_ID) REFERENCES Menu(Item\_ID)

ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (Restaurant\_ID) REFERENCES Restaurants(Restaurant\_ID)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Orders (

Order\_ID VARCHAR(20) PRIMARY KEY,

Status CHAR(20),

Time TIMESTAMP,

Date DATE,

Rating INT,

Cust\_ID VARCHAR(10),

Cart\_ID VARCHAR(20),

FOREIGN KEY (Cust\_ID) REFERENCES Customer(Customer\_ID)

ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (Cart\_ID) REFERENCES Cart(Cart\_ID)

ON UPDATE CASCADE ON DELETE SET NULL

);

CREATE TABLE Customer\_Address (

Receiver\_Name CHAR(20),

Receiver\_Contact\_Number VARCHAR(15),

PIN INT,

City CHAR(20),

Street CHAR(20),

Cu\_ID VARCHAR(10),

PRIMARY KEY(Receiver\_Name, Receiver\_Contact\_Number, PIN, City, Street),

FOREIGN KEY (Cu\_ID) REFERENCES Customer(Customer\_ID)

ON UPDATE CASCADE ON DELETE CASCADE

);

CREATE TABLE Disputes (

Issue\_ID VARCHAR(10) PRIMARY KEY,

Refund INT,

O\_ID VARCHAR(20),

Date DATE,

FOREIGN KEY (O\_ID) REFERENCES Orders(Order\_ID)

ON UPDATE CASCADE ON DELETE SET NULL

);

CREATE TABLE Invoice (

Transaction\_ID VARCHAR(20) PRIMARY KEY,

Payment\_Method CHAR(20),

Inv\_Date DATE,

OID VARCHAR(20),

Prem\_ID VARCHAR(20),

Time TIME,

FOREIGN KEY (OID) REFERENCES Orders(Order\_ID)

ON UPDATE CASCADE ON DELETE SET NULL,

FOREIGN KEY (Prem\_ID) REFERENCES Premium(ID)

ON UPDATE CASCADE ON DELETE SET NULL

);

CREATE TABLE Delivery\_Partner (

Partner\_ID VARCHAR(10) PRIMARY KEY,

Name CHAR(20),

Vehicle CHAR(20),

Contact\_Number VARCHAR(15),

Ratings INT,

OrderID VARCHAR(20),

FOREIGN KEY (OrderID) REFERENCES Orders(Order\_ID)

ON UPDATE CASCADE ON DELETE SET NULL

);

CREATE TABLE Restaurant\_Menu (

Restaurant\_ID VARCHAR(20),

Item\_ID VARCHAR(20),

Discount INT,

PRIMARY KEY (Restaurant\_ID, Item\_ID),

FOREIGN KEY (Restaurant\_ID) REFERENCES Restaurants(Restaurant\_ID)

ON UPDATE CASCADE ON DELETE CASCADE,

FOREIGN KEY (Item\_ID) REFERENCES Menu(Item\_ID)

ON UPDATE CASCADE ON DELETE CASCADE

);