# BIS698

## Group1 Project- Pizza Billing System

Group Members:

* Anurag Gajula
* Goutham Madarapu
* Rajkumar Sriramula
* Sai Satwick Yalavarthi
* Komal Raj Nadella Venkata

MySQL CODE(CREATE INSERT):

-- create database pizza;

USE pizza;

-- Create CustomersInformation table

CREATE TABLE CustomersInformation (

Customer\_ID VARCHAR(20) PRIMARY KEY,

First\_Name TEXT NOT NULL,

Middle\_Name TEXT,

Last\_Name TEXT NOT NULL,

Address VARCHAR(100),

City TEXT,

State TEXT,

ZipCode VARCHAR(10),

Phone\_Number VARCHAR(20) NOT NULL,

Username VARCHAR(50),

Password VARCHAR(150),

Email\_ID VARCHAR(50) NOT NULL,

constraint CHECK\_PHONE CHECK(CHAR\_LENGTH(Phone\_Number) = 10),

CONSTRAINT check\_email\_format CHECK (Email\_ID REGEXP '^[a-zA-Z0-9.\_%+-]+@[a-zA-Z0-9.-]+\\.[a-zA-Z]{2,}$')

);

-- Create EmployeeInformation table

CREATE TABLE EmployeeInformation (

Employee\_ID VARCHAR(20) PRIMARY KEY,

First\_Name TEXT NOT NULL,

Middle\_Name TEXT,

Last\_Name TEXT NOT NULL,

Address VARCHAR(100),

City TEXT,

State TEXT,

ZipCode VARCHAR(10),

Phone\_Number VARCHAR(20) NOT NULL,

Username VARCHAR(50),

Password VARCHAR(150) NOT NULL,

Email\_ID VARCHAR(50) NOT NULL,

constraint CHECKEMP\_PHONE CHECK(CHAR\_LENGTH(Phone\_Number) <= 10),

CONSTRAINT checkEMP\_email\_format CHECK (Email\_ID REGEXP '^[a-zA-Z0-9.\_%+-]+@[a-zA-Z0-9.-]+\\.[a-zA-Z]{2,}$')

);

-- Create Orders table

CREATE TABLE Orders (

Order\_ID INT PRIMARY KEY ,

Customer\_ID VARCHAR(20),

Employee\_ID VARCHAR(20),

Order\_Date DATETIME NOT NULL,

Order\_Total DECIMAL(10,2) NOT NULL,

Order\_Qty INT NOT NULL,

Order\_Ratings INT DEFAULT 0 CHECK(Order\_Ratings >= 0 AND Order\_Ratings <= 5),

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

FOREIGN KEY(Employee\_ID) REFERENCES EmployeeInformation(Employee\_ID)

);

-- Create Items table

CREATE TABLE Items (

item\_ID INT PRIMARY KEY,

item\_name TEXT NOT NULL,

item\_price DECIMAL(10,2) NOT NULL,

item\_type TEXT NOT NULL,

item\_size TEXT

);

-- Create Order\_Item table

CREATE TABLE Order\_Item (

Order\_ID INT,

item\_ID INT,

item\_Quantity INT NOT NULL,

PRIMARY KEY (Order\_ID, item\_ID),

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

FOREIGN KEY(item\_ID) REFERENCES Items(item\_ID)

);

-- Create Order\_Status table

CREATE TABLE Order\_Status (

Order\_ID INT PRIMARY KEY,

Order\_Status TEXT NOT NULL,

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

CONSTRAINT chk\_Order\_Status CHECK(Order\_Status IN ('Pending', 'Preparing', 'Ready', 'Cancelled'))

);

-- Create Payment table

CREATE TABLE Payment (

Invoice\_Num varchar(50),

MOP TEXT NOT NULL CHECK(MOP IN ("Cash","Card")),

Order\_ID INT NOT NULL,

Customer\_ID VARCHAR(20),

Order\_Date DATE NOT NULL,

Amount\_Paid DECIMAL(10,2) NOT NULL,

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

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

);

INSERT INTO Items (item\_id, item\_name, item\_price, item\_type, item\_size)

VALUES (3001, 'Cheese Pizza', 8.99, 'Vegetarian', 'Regular'),

(3002, 'Cheese Pizza', 13.99, 'Vegetarian', 'Large'),

(3003, 'Margherita', 10.99, 'Vegetarian', 'Regular'),

(3004, 'Margherita', 15.99, 'Vegetarian', 'Large'),

(3005, 'Mushroom', 9.99, 'Vegetarian', 'Regular'),

(3006, 'Mushroom', 14.99, 'Vegetarian', 'Large'),

(3007, 'Grilled Vegetables', 11.99, 'Vegetarian', 'Regular'),

(3008, 'Grilled Vegetables', 16.99, 'Vegetarian', 'Large'),

(4000, 'Chicken Tandoori', 12.99, 'NonVegetarian', 'Regular'),

(4001, 'Chicken Tandoori', 17.99, 'NonVegetarian', 'Large'),

(4002, 'Pepperoni', 10.99, 'NonVegetarian', 'Regular'),

(4003, 'Pepperoni ', 15.99, 'NonVegetarian', 'Large'),

(4004, 'Grilled Chicken', 11.99, 'NonVegetarian', 'Regular'),

(4005, 'Grilled Chicken', 16.99, 'NonVegetarian', 'Large'),

(4008, 'Hawaiian', 12.99, 'NonVegetarian', 'Regular'),

(4009, 'Hawaiian ', 17.99, 'NonVegetarian', 'Large');

INSERT INTO Items (item\_id, item\_name, item\_price, item\_type)

VALUES (100, 'Dite Coke', 1.99, 'Beverages'),

(101, 'Coke', 1.99, 'Beverages'),

(102, 'Mountain Dew', 1.99, 'Beverages'),

(104, 'Dr.Pepper', 2.99, 'Beverages'),

(201, 'Garlic Bread', 6.99, 'Sides'),

(202, 'Potato Wedges', 5.99, 'Sides'),

(203, 'Chicken Wings', 12.00, 'Sides'),

(204, 'Choco Lava', 3.99, 'Sides');

SELECT \* FROM Customersinformation;

SELECT \* FROM Employeeinformation;

select \* from Orders;

select \* from Order\_Item;

select \* from items;

select \* from Order\_Item;

select \* from payment;

select \* from order\_status;

SET FOREIGN\_KEY\_CHECKS = 0;

INSERT INTO Orders (Order\_ID, Customer\_ID, Order\_Date, Order\_Total, Order\_Qty, Order\_Ratings)

VALUES (17, 'CUS1', '2023-03-16 09:30:00', 37.97, 3, 3),

(18, 'CUS2', '2023-03-16 12:45:00', 49.98, 4, 4),

(19, 'CUS3', '2023-03-16 14:15:00', 23.95, 2, 5),

(20, 'CUS4', '2023-03-16 15:30:00', 41.97, 3, 0),

(21, 'CUS5', '2023-02-18 17:00:00', 27.96, 2, 0),

(22, 'CUS6', '2023-02-18 18:30:00', 19.97, 1, 0),

(23, 'CUS7', '2023-02-18 20:00:00', 59.96, 5, 0),

(24, 'CUS8', '2023-02-18 21:15:00', 15.95, 1, 0);

-- Insert into Order\_Items table

INSERT INTO Order\_Item (Order\_ID, item\_ID, item\_Quantity)

VALUES (17, 3006, 1),

(17, 101, 1),

(17, 203, 1),

(18, 4009, 1),

(18, 3008, 1),

(18, 204, 2),

(18, 103, 1),

(19, 201, 1),

(19, 202, 1),

(20, 4004, 1),

(20, 100, 2),

(21, 3001, 1),

(21, 102, 1),

(22, 204, 1),

(23, 4001, 1),

(23, 4005, 2),

(23, 202, 1),

(23, 103, 1),

(23, 104, 2),

(24, 203, 1);

-- Insert into Payment table

INSERT INTO Payment (Invoice\_Num, MOP, Order\_ID, Customer\_ID, Order\_Date, Amount\_Paid)

VALUES ('2023031609300017', 'Card', 17, 'CUS1', '2023-03-16', 37.97),

('2023031612450018', 'Cash', 18, 'CUS2', '2023-03-16', 49.98),

('2023031614150019', 'Card', 19, 'CUS3', '2023-03-16', 23.95),

('2023031615300020', 'Cash', 20, 'CUS4', '2023-03-16', 41.97),

('2023021817000021', 'Card', 21, 'CUS5', '2023-02-18', 27.96),

('2023021818300022', 'Cash', 22, 'CUS6', '2023-02-18', 19.97),

('2023021820000023', 'Card', 23, 'CUS7', '2023-02-18', 59.96),

('2023021821150024', 'Cash', 24, 'CUS8', '2023-02-18', 15.95);

-- Insert into Order\_Status table

INSERT INTO Order\_Status (Order\_ID, Order\_Status)

VALUES (17, 'Ready'),

(18, 'Preparing'),

(19, 'Ready'),

(20, 'Ready'),

(21, 'Ready'),

(22, 'Ready'),

(23, 'Ready'),

(24, 'Ready');

SET FOREIGN\_KEY\_CHECKS = 1;

SET FOREIGN\_KEY\_CHECKS = 0;

INSERT INTO Orders (Order\_ID, Customer\_ID, Order\_Date, Order\_Total, Order\_Qty, Order\_Ratings)

VALUES (9, 'CUS1', '2023-03-17 10:30:00', 32.97, 3, 0),

(10, 'CUS2', '2023-03-17 11:45:00', 24.98, 2, 1),

(11, 'CUS3', '2023-03-17 12:15:00', 57.95, 5, 2),

(12, 'CUS4', '2023-03-17 13:30:00', 41.97, 3, 2),

(13, 'CUS5', '2023-03-17 14:00:00', 35.96, 2, 3),

(14, 'CUS6', '2023-03-17 16:30:00', 22.97, 1, 4),

(15, 'CUS7', '2023-03-17 18:00:00', 45.96, 4, 4),

(16, 'CUS8', '2023-03-17 20:15:00', 51.95, 5, 5);

INSERT INTO Order\_Item (Order\_ID, item\_ID, item\_Quantity)

VALUES (9, 3001, 1),

(9, 100, 2),

(10, 3004, 1),

(10, 203, 1),

(11, 4000, 2),

(11, 202, 1),

(11, 204, 2),

(11, 101, 1),

(12, 3005, 1),

(12, 103, 1),

(12, 104, 2),

(13, 3003, 1),

(13, 202, 1),

(14, 3002, 1),

(15, 4005, 2),

(15, 203, 2),

(16, 4001, 1),

(16, 3008, 1),

(16, 102, 2);

-- Insert into Payment table

INSERT INTO Payment (Invoice\_Num, MOP, Order\_ID, Customer\_ID, Order\_Date, Amount\_Paid)

VALUES ('202303171030009', 'Card', 9, 'CUS1', '2023-03-17', 32.97),

('2023031711450010', 'Cash', 10, 'CUS2', '2023-03-17', 24.98),

('2023031712150011', 'Card', 11, 'CUS3', '2023-03-17', 57.95),

('2023031713300012', 'Cash', 12, 'CUS4', '2023-03-17', 41.97),

('2023031714000013', 'Card', 13, 'CUS5', '2023-03-17', 35.96),

('2023031716300014', 'Cash', 14, 'CUS6', '2023-03-17', 22.97),

('2023031718000015', 'Card', 15, 'CUS7', '2023-03-17', 45.96),

('2023031720150016', 'Cash', 16, 'CUS8', '2023-03-17', 51.95);

INSERT INTO Order\_Status (Order\_ID, Order\_Status)

VALUES (9, 'Ready'),

(10, 'Ready'),

(11, 'Ready'),

(12, 'Ready'),

(13, 'Ready'),

(14, 'Ready'),

(15, 'Ready'),

(16, 'Ready');

SET FOREIGN\_KEY\_CHECKS = 1;