

Database



Project:-

SUBMITTED TO:

Dr. Zahid

SUBMITTED BY:

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SECTION:

BSCS C

Roll No:

21011519-073

DEPARTMENT:

DEPARTMENT OF COMPUTER SCIENCE

FAST_FOOD_MANAGEMENT_SYSTEM

```
create table customer(  
customer_id int primary key,  
first_name varchar (30),  
last_name varchar (30),  
email_id varchar (50),  
phone_no varchar (15)  
);
```

insert into customer values

```
(1,'ramish','tariq','tariqramish19@gmail.com','0314-4573113'),  
(2,'zain','ali','zain@gmail.com','0314-453243'),  
(3,'anas','majeed','anas19@gmail.com','03123-4573113'),  
(4,'nauman','ali','noman19@gmail.com','0314-44673113'),  
(5,'talha','siddique','talja19@gmail.com','0314-4573113'),  
(6,'iqra','tariq','iqra@gmail.com','0324-4579813'),  
(7,'komal','nawaz','komal@gmail.com','0328-9973113'),  
(8,'muneeb','shehzd','mneeb@gmail.com','0301-4573999'),  
(9,'kamal','tariq','kamal@gmail.com','0333-4573111'),  
(10,'jamal','tariq','jamal@gmail.com','0324-4573113');
```

Select * from customer

```
create table pizza_item(  
  pizza_id int primary key,  
  pizza_name varchar (30),  
  pizza_description varchar (100),  
  pizza_type varchar (10),  
  pizza_price decimal (8,2),  
);
```

```
insert into pizza_item  
values(1,'royal crust pizza','classic chicken chesse pizza','L', 2000.00);  
insert into pizza_item  
values(2,'royal cheese pizza','classic chicken chesse pizza','L', 2500.00);  
insert into pizza_item  
values(3,'crown crust pizza','classic chicken chesse pizza','M', 1500.00);  
insert into pizza_item  
values(4,'malai crust pizza','classic chicken chesse pizza','L', 2000.00);  
insert into pizza_item  
values(5,'fajita pizza','classic chicken chesse pizza','S', 1000.00);  
  
select *from pizza_item
```

```
create table burger_item(  
  burger_id int primary key,
```

```
burger_name varchar (30),  
burger_description varchar (100),  
burger_price decimal (8,2)  
);
```

```
insert into burger_item  
values(1,'royal crust burger','classic chicken chesse burger', 500.00);  
insert into burger_item  
values(2,'royal cheese burger','classic chicken chesse burger', 700.00);  
insert into burger_item  
values(3,'crown crust burger','classic chicken chesse burger', 300.00);  
insert into burger_item  
values(4,'malai crust burger','classic chicken chesse burger', 400.00);  
insert into burger_item  
values(5,'fajita burger','classic chicken chesse burger', 500.00);
```

```
select *from burger_item
```

```
create table pizza_orders(  
order_id int primary key,  
customer_id int,  
pizza_id int,  
order_date date,  
quantity int,
```

```
total_amount decimal (8,2),  
payment_method varchar(20),
```

```
foreign key (customer_id) references customer(customer_id),  
foreign key (pizza_id) references pizza_item (pizza_id),
```

```
);
```

```
insert into pizza_orders values
```

```
(1,1,2,'2023-09-12',1,2500.00 , 'Cash'),  
(2,1,3,'2023-09-14',3,4500.00 , 'Credit Card'),  
(3,3,2,'2023-09-13',2,5000.00 , 'Cash'),  
(4,4,1,'2023-09-15',1,2000.00 , 'Cash'),  
(5,2,5,'2023-09-12',1,1000.00 , 'Debit Card'),  
(6,4,5,'2023-09-11',2,2000.00 , 'Debit Card');
```

```
select * from pizza_orders
```

```
create table burger_orders(  
order_id int primary key,  
customer_id int,  
burger_id int,  
order_date date,  
quantity int,
```

```
total_amount decimal (8,2),
payment_method varchar(20),
```

```
foreign key (customer_id) references customer(customer_id),
foreign key (burger_id) references burger_item (burger_id),
```

```
);
```

```
insert into burger_orders values
```

```
(1,1,2,'2023-09-12',1,700.00 , 'Cash'),
(2,6,3,'2023-09-12',2,900.00 , 'Cash'),
(3,7,2,'2023-09-12',6,4200.00 , 'Debit Card'),
(4,5,1,'2023-09-15',4,2000.00 , 'Credit Card'),
(5,2,4,'2023-09-12',1,400.00 , 'Cash'),
(6,4,5,'2023-09-11',2,1000.00 , 'Cash');
```

```
select * from pizza_orders
```

```
Create table Tables (
```

```
table_id int primary key,
capacity int,
Status varchar(20),
```

```
);
```

Insert into Tables Values

```
(101,6,'Reserved'),  
(102,4,'Reserved'),  
(103,6,'Available'),  
(104,2,'Available'),  
(105,4,'Reserved');
```

select *from Tables

Create Table Reservation (

```
    Reservation_ID int primary key,  
    Customer_ID int,  
    Table_ID int,  
    Reservation_Date date,
```

```
    Foreign key (Customer_ID) references customer(customer_id),
```

```
    Foreign key (Table_ID) references Tables (table_id),
```

```
);
```

Insert into Reservation Values

```
(1,5,101,'2023-07-09'),  
(2,3,102,'2023-07-09'),  
(3,9,105,'2023-07-10');
```

```
select * from Reservation
```

```
create table employees(  
employees_id int primary key,  
first_name varchar (30),  
last_name varchar (30),  
designation varchar(50),  
salary decimal (8,2),  
--hire_date date  
);
```

```
insert into employees  
values(1,'saad','ali','Cashier',5000.00);  
insert into employees  
values(2,'asad','ali','Cook',20000.00);  
insert into employees  
values(3,'saud','ali','Cook',50000.00);  
insert into employees  
values(4,'zaid','ali','Manager',45500.00);
```



```
insert into employees  
values(5,'shakeel','ali','Waiter',500.00);
```

```
select *from employees
```

```
Create Table Delivery (  
    Delivery_id int primary key,  
    Delivery_man varchar (30),  
    Delivery_man_contact varchar(30),  
    customer_id int,  
    delivery_date date,  
  
    foreign key (customer_id) references customer(customer_id)  
);
```

```
insert into Delivery values  
(1,'Amjad Ai' , '0332-4582701' , 2 , '2021-08-14'),  
(2, 'Ahsan Ali', '0341-5509011' , 4 , '2021-01-19'),  
(3, 'Talha Ali', '0341-5509341' , 6 , '2021-01-29');
```

```
select * from Delivery
```

--Select all records from the customer table:

```
SELECT * FROM customer;
```

--Select all records from the pizza_item table:

```
SELECT * FROM pizza_item;
```

--Select all records from the burger_item table:

```
SELECT * FROM burger_item;
```

--Select all records from the pizza_orders table:

```
SELECT * FROM pizza_orders;
```

--Select all records from the burger_orders table:

```
SELECT * FROM burger_orders;
```

--Select all records from the Tables table:

SELECT * FROM Tables;

--Select all records from the Reservation table:

SELECT * FROM Reservation;

--Select all records from the employees table:

SELECT * FROM employees;

--Select the first name and last name of all customers:

SELECT first_name, last_name FROM customer;

--Select the pizza names and their prices:

SELECT pizza_name, pizza_price FROM pizza_item;

--Select the burger names and their prices:

SELECT burger_name, burger_price FROM burger_item;

--Select the order_id, customer_id, and total_amount from the pizza_orders table:

SELECT order_id, customer_id, total_amount FROM pizza_orders;

--Select the order_id, customer_id, and total_amount from the burger_orders table:

SELECT order_id, customer_id, total_amount FROM burger_orders;

--Select the table_id and capacity of all tables:

SELECT table_id, capacity FROM Tables;

--Select the reservation_id, customer_id, and reservation_date from the Reservation table:

SELECT Reservation_ID, Customer_ID, Reservation_Date FROM Reservation;

--Select the first name, last name, and salary of all employees:

```
SELECT first_name, last_name, salary FROM employees;
```

--Count the total number of customers in the customer table:

```
SELECT COUNT(customer_id) AS total_customers FROM customer;
```

--Calculate the average pizza price:

```
SELECT AVG(pizza_price) AS average_pizza_price FROM pizza_item;
```

--Calculate the total amount spent by each customer in pizza orders:

```
SELECT customer_id, SUM(total_amount) AS total_spent FROM pizza_orders GROUP BY customer_id;
```

--Find the highest pizza price:

```
SELECT MAX(pizza_price) AS highest_pizza_price FROM pizza_item;
```

--Find the lowest pizza price:

```
SELECT MIN(pizza_price) AS lowest_pizza_price FROM pizza_item;
```

--Find the customer who spent the most on burger orders:

```
SELECT top 1 customer_id, MAX(total_amount) AS max_spent FROM burger_orders GROUP BY customer_id ORDER BY max_spent DESC;
```

--Find the customer who placed the first pizza order:

```
SELECT top 1 customer_id, MIN(order_date) AS first_pizza_order FROM pizza_orders GROUP BY customer_id ORDER BY first_pizza_order ASC;
```

--Calculate the total earnings from pizza orders:

```
SELECT SUM(total_amount) AS total_earnings FROM pizza_orders;
```

--Calculate the total earnings from burger orders:

```
SELECT SUM(total_amount) AS total_earnings FROM burger_orders;
```

--Find the busiest day with the most pizza orders:

```
SELECT top 1 order_date, COUNT(order_id) AS pizza_orders_count FROM pizza_orders GROUP BY  
order_date ORDER BY pizza_orders_count DESC;
```

--Find the number of available tables:

```
SELECT COUNT(table_id) AS available_tables FROM Tables WHERE Status = 'Available';
```

--FIND NUMBER OF RESEVERD TABLE

```
SELECT COUNT(table_id) AS reserved_tables FROM Tables WHERE Status = 'Reserved';
```

--Retrieve all delivery records:

```
SELECT * FROM Delivery;
```

--Retrieve delivery details for a specific delivery ID:

```
SELECT * FROM Delivery WHERE Delivery_id = 1;
```

--Retrieve delivery details for a specific customer ID:

```
SELECT * FROM Delivery WHERE customer_id = 2;
```

--Retrieve delivery records for a specific delivery date:

```
SELECT * FROM Delivery WHERE delivery_date = '2021-08-09';
```

--Retrieve deliveries along with customer information for a specific delivery man

```
SELECT  
Delivery.Delivery_id, Delivery.Delivery_man, Delivery.Delivery_man_contact, Delivery.delivery_date, Deliv  
ery.customer_id, customer.first_name, customer.last_name, customer.phone_no
```

```
FROM Delivery
inner JOIN customer ON Delivery.customer_id = customer.customer_id
WHERE Delivery_man = 'Amjad Ai';
```

--Retrieve the count of deliveries for each delivery man:

```
SELECT Delivery_man, COUNT(*) AS delivery_count
FROM Delivery
GROUP BY Delivery_man;
```

--Update the delivery date for a specific delivery ID:

```
select * from Delivery UPDATE Delivery
SET delivery_date = '2021-08-15'
WHERE Delivery_id = 2;
```

--Retrieve all pizza orders with customer information:

```
CREATE PROCEDURE PIZZA_ORDER_INFO
AS
BEGIN
SELECT pizza_orders.order_id, pizza_orders.order_date, pizza_orders.total_amount,
pizza_orders.payment_method, customer.first_name, customer.last_name, customer.email_id,
customer.phone_no
FROM pizza_orders
inner JOIN customer ON pizza_orders.customer_id = customer.customer_id;
```

END;

exec PIZZA_ORDER_INFO

--Retrieve all burger orders with customer information:

```
SELECT burger_orders.order_id, burger_orders.order_date, burger_orders.total_amount,  
burger_orders.payment_method, customer.first_name, customer.last_name, customer.email_id,  
customer.phone_no  
FROM burger_orders  
inner JOIN customer ON burger_orders.customer_id = customer.customer_id;
```

--Retrieve all pizza orders along with the pizza details:

```
SELECT pizza_orders.order_id, pizza_item.pizza_name, pizza_item.pizza_type, pizza_item.pizza_price,  
pizza_orders.quantity, pizza_orders.total_amount  
FROM pizza_orders  
inner JOIN pizza_item ON pizza_orders.pizza_id = pizza_item.pizza_id;
```

--Retrieve all burger orders along with the burger details:

```
SELECT burger_orders.order_id, burger_item.burger_name, burger_item.burger_price,  
burger_orders.quantity, burger_orders.total_amount  
FROM burger_orders  
inner JOIN burger_item ON burger_orders.burger_id = burger_item.burger_id;
```

--Retrieve all reserved tables along with the customer information who made the reservation:

```
SELECT Reservation.Reservation_ID, Tables.table_id, Tables.Status, customer.first_name,  
customer.last_name, customer.email_id, customer.phone_no  
FROM Reservation  
inner JOIN Tables ON Reservation.Table_ID = Tables.table_id  
inner JOIN customer ON Reservation.Customer_ID = customer.customer_id;
```

--Retrieve all pizza orders with customer names and pizza details:

```
SELECT pizza_orders.order_id, customer.first_name, customer.last_name, pizza_item.pizza_name,  
pizza_item.pizza_type, pizza_orders.quantity, pizza_orders.total_amount
```

```
FROM pizza_orders
```

```
inner JOIN customer ON pizza_orders.customer_id = customer.customer_id
```

```
inner JOIN pizza_item ON pizza_orders.pizza_id = pizza_item.pizza_id;
```

--Retrieve all burger orders with customer names and burger details:

```
SELECT burger_orders.order_id, customer.first_name, customer.last_name, burger_item.burger_name,  
burger_item.burger_price, burger_orders.quantity, burger_orders.total_amount
```

```
FROM burger_orders
```

```
inner JOIN customer ON burger_orders.customer_id = customer.customer_id
```

```
inner JOIN burger_item ON burger_orders.burger_id = burger_item.burger_id;
```

--Retrieve the total number of pizza and burger orders placed by each customer:

```
SELECT customer.first_name, customer.last_name, COUNT(pizza_orders.order_id) AS pizza_orders,  
COUNT(burger_orders.order_id) AS burger_orders
```

```
FROM customer
```

```
LEFT JOIN pizza_orders ON customer.customer_id = pizza_orders.customer_id
```

```
LEFT JOIN burger_orders ON customer.customer_id = burger_orders.customer_id
```

```
GROUP BY customer.customer_id, customer.first_name, customer.last_name;
```

--Retrieve the total sales amount for each pizza type:

```
SELECT pizza_item.pizza_type, SUM(pizza_orders.total_amount) AS total_sales
```

```
FROM pizza_orders
```

```
inner JOIN pizza_item ON pizza_item.pizza_id = pizza_item.pizza_id
```

```
GROUP BY pizza_item.pizza_type;
```

--Retrieve the average salary of employees for each designation:


```
SELECT designation, AVG(salary) AS average_salary
FROM employees
GROUP BY designation;
```

--Retrieve the count of available and reserved tables:

```
SELECT Status, COUNT(*) AS count_of_tables
FROM Tables
GROUP BY Status;
```

--Retrieve all pizza orders along with the corresponding customer and table information (if reserved):

```
CREATE PROCEDURE PROC5
AS
BEGIN
SELECT pizza_orders.order_id, customer.first_name, customer.last_name, customer.email_id,
customer.phone_no, Tables.table_id, Tables.Status
FROM pizza_orders
inner JOIN customer ON pizza_orders.customer_id = customer.customer_id
LEFT JOIN Reservation ON pizza_orders.customer_id = Reservation.Customer_ID
LEFT JOIN Tables ON Reservation.Table_ID = Tables.table_id;
END;
EXEC PROC5
```

--Retrieve all burger orders along with the corresponding customer and table information (if reserved):

```
CREATE PROCEDURE PROC4
AS
```

BEGIN

SELECT burger_orders.order_id, customer.first_name, customer.last_name, customer.email_id,
customer.phone_no, Tables.table_id, Tables.Status

FROM burger_orders

inner JOIN customer ON burger_orders.customer_id = customer.customer_id

LEFT JOIN Reservation ON burger_orders.customer_id = Reservation.Customer_ID

LEFT JOIN Tables ON Reservation.Table_ID = Tables.table_id

END;

EXEC PROC4

--Retrieve the total number of pizza and burger orders served by each employee:

CREATE PROCEDURE PROC3

AS

BEGIN

SELECT employees.employees_id, employees.first_name, employees.last_name, employees.designation,
COUNT(pizza_orders.order_id) AS pizza_orders_served, COUNT(burger_orders.order_id) AS
burger_orders_served

FROM employees

LEFT JOIN pizza_orders ON employees.employees_id = pizza_orders.customer_id

LEFT JOIN burger_orders ON employees.employees_id = burger_orders.customer_id

GROUP BY employees.employees_id, employees.first_name, employees.last_name,
employees.designation

END;

EXEC PROC3

--Retrieve all pizza orders with delivery details (if delivered):

create procedure PROC2

AS

BEGIN

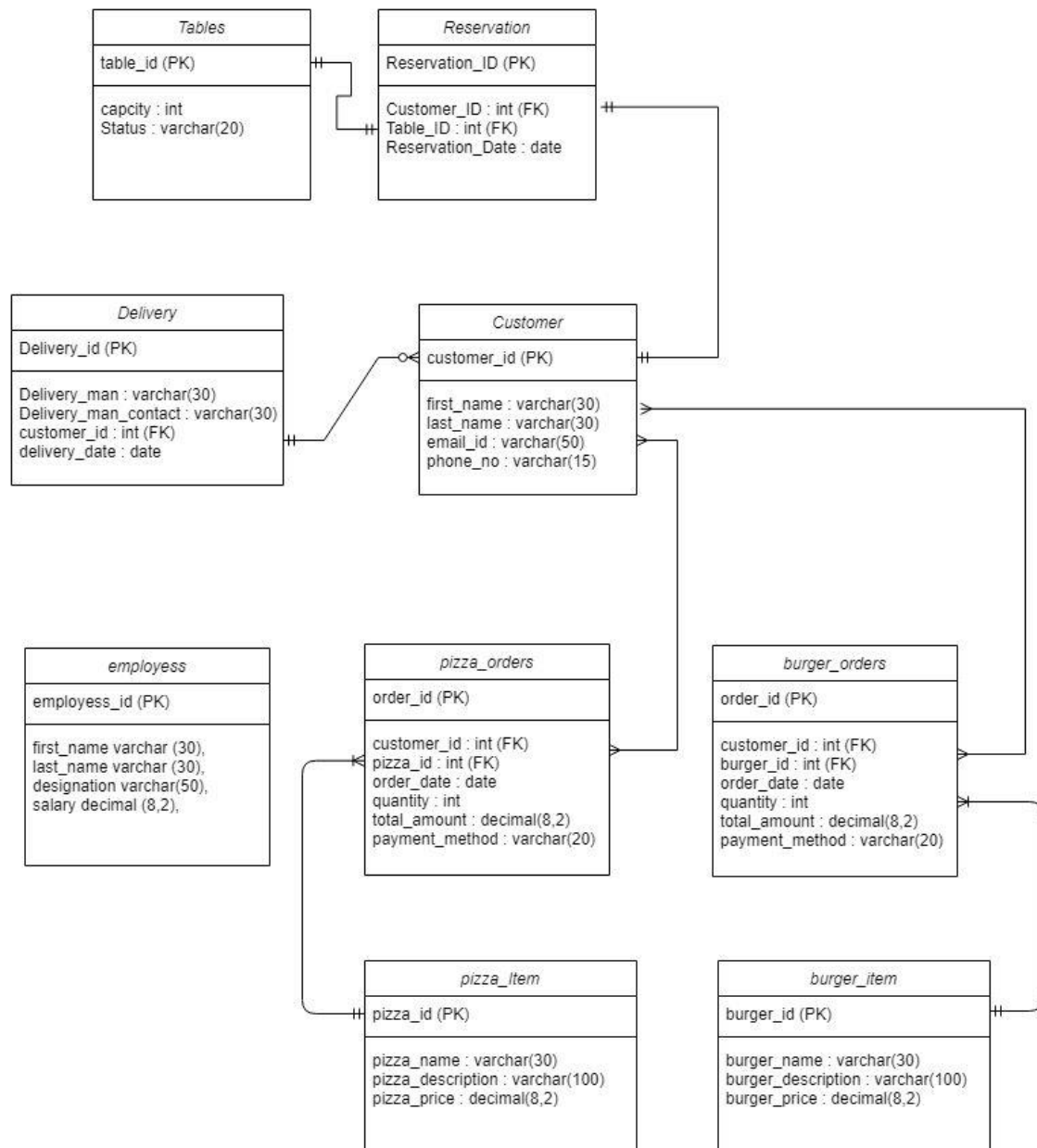
```
SELECT pizza_orders.order_id, customer.first_name, customer.last_name, customer.email_id,  
customer.phone_no, Delivery.Delivery_man, Delivery.Delivery_man_contact,  
  
Delivery.delivery_date  
  
FROM pizza_orders  
  
inner JOIN customer ON pizza_orders.customer_id = customer.customer_id  
  
LEFT JOIN Delivery ON pizza_orders.customer_id = Delivery.customer_id;  
  
END;
```

```
EXEC PROC2
```

--Retrieve all burger orders with delivery details (if delivered):

```
create procedure proc1  
  
as  
  
Begin  
  
SELECT burger_orders.order_id, customer.first_name, customer.last_name, customer.email_id,  
customer.phone_no, Delivery.Delivery_man, Delivery.Delivery_man_contact,  
  
Delivery.delivery_date  
  
FROM burger_orders  
  
inner JOIN customer ON burger_orders.customer_id = customer.customer_id  
  
LEFT JOIN Delivery ON burger_orders.customer_id = Delivery.customer_id ;  
  
end;  
  
exec proc1
```

```
drop table if exists customer
--drop table if exists Tables
drop table if exists pizza_orders
drop table if exists burger_orders
drop table if exists pizza_item
drop table if exists burger_item
drop table if exists Delivery
drop table if exists employees
drop table if exists reservations
```



1	1	2	2023-09-12	1	2500.00	Cash
2	1	3	2023-09-14	3	4500.00	Credit Card
3	3	2	2023-09-13	2	5000.00	Cash
4	4	1	2023-09-15	1	2000.00	Cash
5	2	5	2023-09-12	1	1000.00	Debit Card
6	4	5	2023-09-11	2	2000.00	Debit Card

order_id	customer_id	burger_id	order_date	quantity	total_amount	payment_method
1	1	2	2023-09-12	1	700.00	Cash
2	6	3	2023-09-12	2	900.00	Cash
3	7	2	2023-09-12	6	4200.00	Debit Card
4	5	1	2023-09-15	4	2000.00	Credit Card
5	2	4	2023-09-12	1	400.00	Cash
6	4	5	2023-09-11	2	1000.00	Cash

table_id	capacity	Status
101	6	Reserved
102	4	Reserved
103	6	Available
104	2	Available
105	4	Reserved

Reservation_ID	Customer_ID	Table_ID	Reservation_Date
1	5	101	2023-07-09
2	3	102	2023-07-09

1	ranish	tariq	tanqramish19@gmail.com	0314-4573113
2	zain	ali	zain@gmail.com	0314-453243
3	anas	majeed	anas19@gmail.com	03123-4573113
4	nauman	ali	roman19@gmail.com	0314-44673113
5	taiha	siddique	taija19@gmail.com	0314-4573113
6	iqra	tariq	iqra@gmail.com	0324-4579813
7	komal	nawaz	komal@gmail.com	0328-9973113
8	muneeb	shehaz	mneeb@gmail.com	0301-4573999

pizza_id	pizza_name	pizza_description	pizza_type	pizza_price
1	royal crust pizza	classic chicken chesse pizza	L	2000.00
2	royal cheese pizza	classic chicken chesse pizza	L	2500.00
3	crown crust pizza	classic chicken chesse pizza	M	1500.00
4	malai crust pizza	classic chicken chesse pizza	L	2000.00
5	fajita pizza	classic chicken chesse pizza	S	1000.00

burger_id	burger_name	burger_description	burger_price
1	royal crust burger	classic chicken chesse burger	500.00
2	royal cheese burger	classic chicken chesse burger	700.00
3	crown crust burger	classic chicken chesse burger	300.00
4	malai crust burger	classic chicken chesse burger	400.00
5	fajita burger	classic chicken chesse burger	500.00

1	ramish	tariq	tariqramish19@gmail.com	0314-4573113
2	zain	ali	zain@gmail.com	0314-453243
3	anas	majeed	anas19@gmail.com	03123-4573113
4	nauman	ali	noman19@gmail.com	0314-44673113
5	talha	siddique	taja19@gmail.com	0314-4573113
6	iqra	tariq	iqra@gmail.com	0324-4579813
7	komal	nawaz	komal@gmail.com	0328-9973113
8	muneeb	shehzd	mneeb@gmail.com	0301-4573999

pizza_id	pizza_name	pizza_description	pizza_type	pizza_price
1	royal crust pizza	classic chicken chesse pizza	L	2000.00
2	royal cheese pizza	classic chicken chesse pizza	L	2500.00
3	crown crust pizza	classic chicken chesse pizza	M	1500.00
4	malai crust pizza	classic chicken chesse pizza	L	2000.00
5	fajita pizza	classic chicken chesse pizza	S	1000.00

burger_id	burger_name	burger_description	burger_price
1	royal crust burger	classic chicken chesse burger	500.00
2	royal cheese burger	classic chicken chesse burger	700.00
3	crown crust burger	classic chicken chesse burger	300.00
4	malai crust burger	classic chicken chesse burger	400.00
5	fajita burger	classic chicken chesse burger	500.00

1	ramish	tariq	tariqramish19@gmail.com	0314-4573113
2	zain	ali	zain@gmail.com	0314-453243
3	anas	majeed	anas19@gmail.com	03123-4573113
4	nauman	ali	noman19@gmail.com	0314-44673113
5	talha	siddique	taja19@gmail.com	0314-4573113
6	iqra	tariq	iqra@gmail.com	0324-4579813
7	komal	nawaz	komal@gmail.com	0328-9973113
8	muneeb	shehzd	mneeb@gmail.com	0301-4573999

pizza_id	pizza_name	pizza_description	pizza_type	pizza_price
1	royal crust pizza	classic chicken chesse pizza	L	2000.00
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4	malai crust pizza	classic chicken chesse pizza	L	2000.00
5	fajita pizza	classic chicken chesse pizza	S	1000.00

burger_id	burger_name	burger_description	burger_price
1	royal crust burger	classic chicken chesse burger	500.00
2	royal cheese burger	classic chicken chesse burger	700.00
3	crown crust burger	classic chicken chesse burger	300.00
4	malai crust burger	classic chicken chesse burger	400.00
5	fajita burger	classic chicken chesse burger	500.00

1	royal cheese pizza	L	2500.00	1	2500.00
2	crown crust pizza	M	1500.00	3	4500.00
3	royal cheese pizza	L	2500.00	2	5000.00
4	royal crust pizza	L	2000.00	1	2000.00
5	fajita pizza	S	1000.00	1	1000.00
6	fajita pizza	S	1000.00	2	2000.00

order_id	burger_name	burger_price	quantity	total_amount
1	royal cheese burger	700.00	1	700.00
2	crown crust burger	300.00	2	900.00
3	royal cheese burger	700.00	6	4200.00
4	royal crust burger	500.00	4	2000.00
5	malai crust burger	400.00	1	400.00
6	fajita burger	500.00	2	1000.00

Reservation_ID	table_id	Status	first_name	last_name	email_id	phone_no
1	101	Reserved	talha	siddique	talja19@gmail.com	0314-4573113
2	102	Reserved	anas	majeed	anas19@gmail.com	03123-4573113
3	105	Reserved	kamal	tariq	kamal@gmail.com	0333-4573111

order_id	first_name	last_name	pizza_name	pizza_type	quantity	total_amount
1	ramish	tariq	royal cheese pizza	L	1	2500.00
2	ramish	tariq	crown crust pizza	M	3	4500.00
3	anas	majeed	royal cheese pizza	L	2	5000.00
4	nauman	ali	royal crust pizza	L	1	2000.00
5	tain	ali	fajita pizza	S	1	1000.00