

# **DBMS**

## **INNOVATIVE ASSIGNMENT**

**21BCE148 KAPIL MEHTA**

# RESTAURANT MANAGEMENT DATABASE



## AIM

The following Restaurant database holds the records of its Employees, chef, waiters/delivery boys, food items, drinks and their customer details. The GUI interface navigates the user through different portals where they can access the details of customers, employees, food items etc.

## **DESCRIPTION**

We have customer, restaurant and delivery sections.

Restaurant end we have

1. All the food items and drinks the customer can order
2. Track of all the employee details
3. Chef details along with their speciality in a specific cuisine

Customer end we have

1. Customer details
2. Details for Payment and

Delivery end to track all the deliveries done

## **CHARACTERISTICS**

1. Add Record
2. Delete Record
3. Display Record
4. Update Record

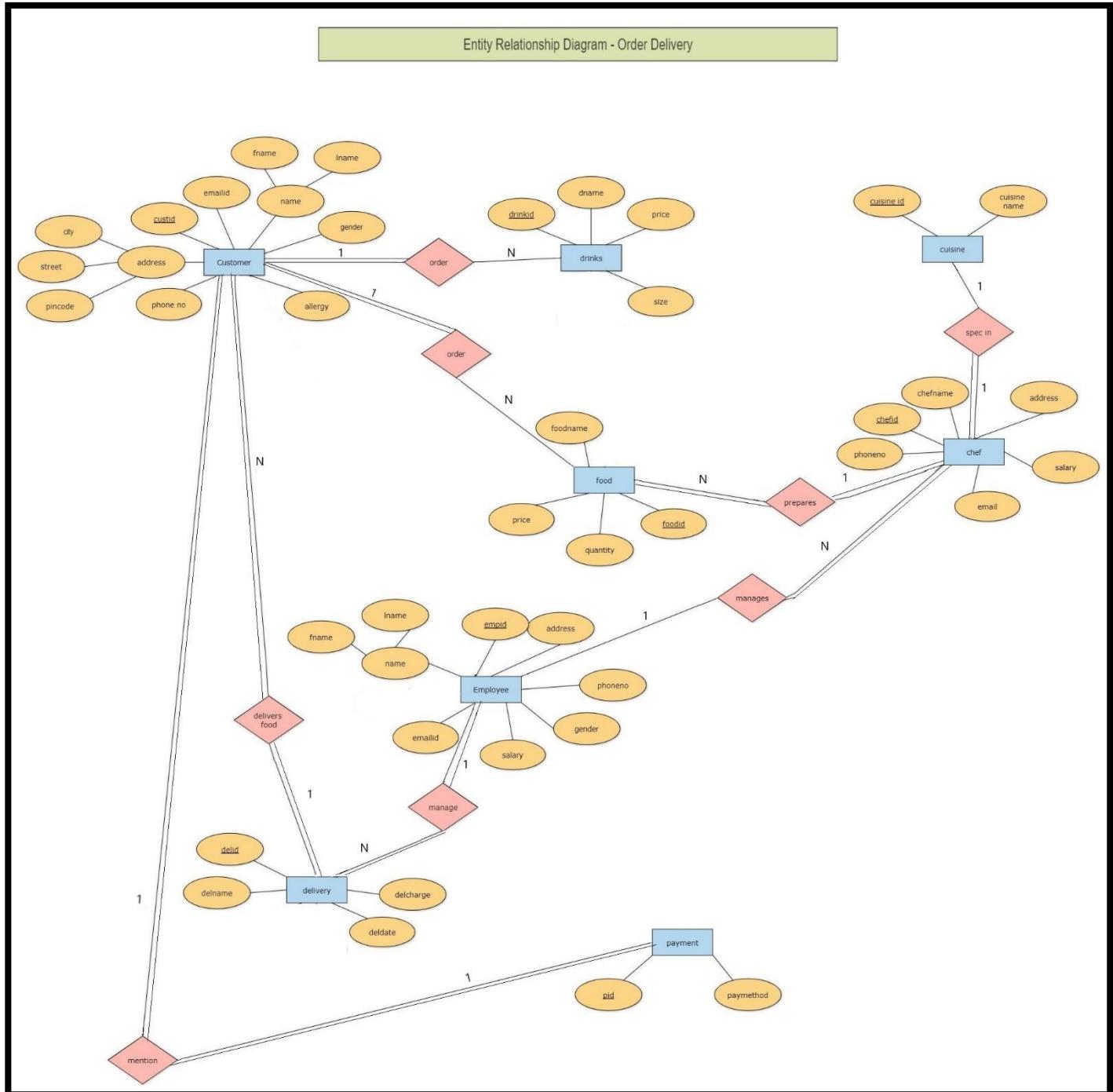
## **EXTERNAL INTERFACE REQUIREMENTS**

1. Front end : Python
2. Backend : MySQL

## **FUNCTIONAL REQUIREMENTS**

1. User authentication during login
2. Email Verification while sign up

# ER MODEL



# RELATIONAL MODEL

| CUSTOMER   |               |  |
|------------|---------------|--|
| ATTRIBUTES | DEFAULT VALUE | CONSTRAINTS                              |
| FNAME      |               | NOT NULL                                 |
| LNAME      |               | NOT NULL                                 |
| CUSTID     |               | PRIMARY KEY                              |
| EMAILID    |               | NOT NULL,<br>CHECK should contain @ .com |
| CITY       | AHMEDABAD     |  |
| STREET     |               | NOT NULL                                 |
| PINCODE    |               | NOT NULL<br>CHECK count = 6              |
| GENDER     |               | NOT NULL<br>Values ('M','F','O')         |
| PHONENO    |               | NOT NULL<br>CHECK count = 10             |
| ALLERGY    | NULL          |  |

| CUISINE      |               |             |
|--------------|---------------|-------------|
| ATTRIBUTES   | DEFAULT VALUE | CONSTRAINTS |
| CUISINEID    |               | PRIMARY KEY |
| CUISINE NAME |               | NOT NULL    |

| EMPLOYEE   |               |             |
|------------|---------------|-------------|
| ATTRIBUTES | DEFAULT VALUE | CONSTRAINTS |
| EMPID      |               | PRIMARY KEY |
| FNAME      |               | NOT NULL    |
| LNAME      |               | NOT NULL    |

|                 |  |  |
|-----------------|--|--|
| <b>EMAILID</b>  |  | NOT NULL,<br>CHECK should contain @ .com |
| <b>ADDRESS</b>  |  | NOT NULL                                 |
| <b>PHONE NO</b> |  | NOT NULL<br>CHECK count = 10             |
| <b>GENDER</b>   |  | NOT NULL<br>Values ('M','F','O')         |
| <b>SALARY</b>   |  | NOT NULL<br>CHECK Greater than 0         |

| CHEF            |               |   |
|-----------------|---------------|---|
| ATTRIBUTES      | DEFAULT VALUE | CONSTRAINTS   |
| <b>CHEFID</b>   |               | PRIMARY KEY   |
| <b>CHEFNAME</b> |               | NOT NULL  |
| <b>ADDRESS</b>  |               | NOT NULL  |
| <b>PHONENO</b>  |               | NOT NULL<br>CHECK count = 10  |
| <b>SPEC</b>     |               | Foreign key references ' <b>CUISINEID</b> ' of<br><b>CUISINE</b> table. |
| <b>EMPID</b>    |               | Foreign key references ' <b>EMPID</b> ' of<br><b>EMPLOYEE</b> table.    |
| <b>EMAIL</b>    |               | NOT NULL,<br>CHECK should contain @ .com                                |
| <b>SALARY</b>   |               | NOT NULL<br>CHECK Greater than 0  |

| FOOD          |               |             |
|---------------|---------------|-------------|
| ATTRIBUTES    | DEFAULT VALUE | CONSTRAINTS |
| <b>FOODID</b> |               | PRIMARY KEY |

|                  |  |  |
|------------------|--|--|
| <b>FOODNAME</b>  |  | NOT NULL   |
| <b>PRICE</b>     |  | NOT NULL<br>CHECK Greater than 0                                     |
| <b>QUANTITY</b>  |  | NOT NULL<br>CHECK Greater than 0                                     |
| <b>CUISINEID</b> |  | Foreign key references ' <b>CUISINEID</b> ' of <b>CUISINE</b> table. |
| <b>CHEFID</b>    |  | Foreign key references ' <b>CHEFID</b> ' of <b>CHEF</b> table.       |

| DRINKS         |         |                                    |
|----------------|---------|------------------------------------|
| ATTRIBUTES     | DEFAULT | CONSTRAINT                         |
| <b>DRINKID</b> |         | PRIMARY KEY                        |
| <b>DNAME</b>   |         | NOT NULL                           |
| <b>PRICE</b>   |         | NOT NULL,<br>CHECK can't be 0      |
| <b>SIZE</b>    |         | Values('large', 'medium', 'small') |

| DELIVERY         |         |  |
|------------------|---------|--|
| ATTRIBUTES       | DEFAULT | CONSTRAINT   |
| <b>DELID</b>     |         | PRIMARY KEY  |
| <b>DELNAME</b>   |         | NOT NULL   |
| <b>CUSTID</b>    |         | Foreign key references ' <b>CUSTID</b> ' of <b>Customer</b> table. |
| <b>EMPID</b>     |         | Foreign key references ' <b>EMPID</b> ' of <b>Employee</b> table.  |
| <b>DELCHARGE</b> |         | NOT NULL<br>CHECK can't be 0                                       |
| <b>DELDATE</b>   |         | NOT NULL   |

|                  | ORDER   |   |
|------------------|---------|---|
| ATTRIBUTES       | DEFAULT | CONSTRAINT  |
| <b>ORDID</b>     |         | PRIMARY KEY   |
| <b>TOTALCOST</b> |         | NOT NULL<br>CHECK can't be 0                                      |
| <b>FOODID</b>    |         | Foreign key references ' <b>FOODID</b> ' of <b>Food</b> table.    |
| <b>DRINKID</b>   |         | Foreign key references ' <b>DRINKID</b> ' of <b>Drink</b> table.  |
| <b>DELID</b>     |         | Foreign key references ' <b>DELID</b> ' of <b>Delivery</b> table. |

|                  | PAYMENT |  |
|------------------|---------|--|
| ATTRIBUTES       | DEFAULT | CONSTRAINT   |
| <b>PID</b>       |         | PRIMARY KEY  |
| <b>PAYMETHOD</b> |         | Values ('credit card', 'cash', 'debit card', 'Paytm')              |
| <b>CUSTID</b>    |         | Foreign key references ' <b>CUSTID</b> ' of <b>Customer</b> table. |
| <b>ORDID</b>     |         | Foreign key references ' <b>ORDID</b> ' of <b>Order</b> table.     |

# QUERIES

1. SELECT Fname FROM Employee GROUP BY empid HAVING AVG(salary) BETWEEN 5000 AND 150000;

| Fname   |
|---------|
| adam    |
| chris   |
| alex    |
| abby    |
| briana  |
| maria   |
| ava     |
| raksha  |
| Kanisha |

2. SELECT

Employee.empid, fname, salary, deldate, delcharge from delivery INNER JOIN employee on Employee.empid=delivery.empid where deldate>('2017-1-1');

| empid | fname   | salary | deldate    | delcharge |
|-------|---------|--------|------------|-----------|
| 1005  | maria   | 40000  | 2021-05-04 | 1000      |
| 1008  | Kanisha | 230000 | 2021-03-17 | 9562      |
| 1009  | Kanisha | 10205  | 2021-04-27 | 8521      |

3. select c.\* from chef c where salary >1000 && spec >= '11';

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

|   | chefid | Chefname | Address | phoneno    | spec | empid | emailid        | salary |
|---|--------|----------|---------|------------|------|-------|----------------|--------|
| ▶ | 1      | Kanisha  | paldi   | 8541623971 | 11   | 1002  | kani@gmail.com | 1500   |
| * | 3      | Meet     | paldi   | 9852163472 | 15   | 1009  | meet@gmail.com | 1526   |
| * | HULL   | HULL     | HULL    | HULL       | HULL | HULL  | HULL           | HULL   |

4. select c.Fname, o.food, o.drinkid from restaurant\_management.order o , customer c, delivery d where c.custid=d.custid and o.Delid = d.Delid;

|   | foodid | drinkid | Fname   |
|---|--------|---------|---------|
| ▶ | 61     | 1       | Kanisha |
|   | 63     | 6       | Kanisha |
|   | 65     | 6       | Kruti   |
|   | 62     | 2       | Kruti   |

5. select chefname, cuisinename from chef, cuisine c where chef.spec=c.cuisineid;

|   | foodname    | Cuisinename  | price |
|---|-------------|--------------|-------|
| ▶ | momos       | chinese      | 60    |
|   | chinesesoup | chinese      | 60    |
|   | biryani     | north indian | 100   |
|   | egg rice    | north indian | 50    |
|   | idly sambar | south indian | 20    |
|   | roti curry  | south indian | 50    |
|   | fried rice  | south indian | 60    |
|   | vada        | south indian | 20    |
|   | masala dosa | south indian | 40    |
|   | burger      | continental  | 100   |
|   | sandwich    | continental  | 40    |
|   | taco        | mexican      | 50    |
|   | nachos      | mexican      | 100   |
|   | ice cream   | dessert      | 70    |
|   | pad thai    | thai         | 250   |
|   | pizza       | italian      | 200   |

6. select foodname, Cuisinename, price from food f, cuisine c where f.cuisineid=c.cuisineid;

Result Grid | Filter Rows:

|   | foodname | Cuisinename  | price |
|---|----------|--------------|-------|
| ▶ | Maggiee  | north indian | 100   |
|   | Punjabi  | Gujarati     | 100   |
|   | Burger   | north indian | 120   |
|   | Sandwich | south indian | 200   |
|   | Pizza    | VegFood      | 100   |

7. select fname, lname, gender, salary from employee  
where salary=(select max(salary) from employee group  
by gender having gender='F');

Result Grid | Filter Rows:  Export: Wrap Cell Content:

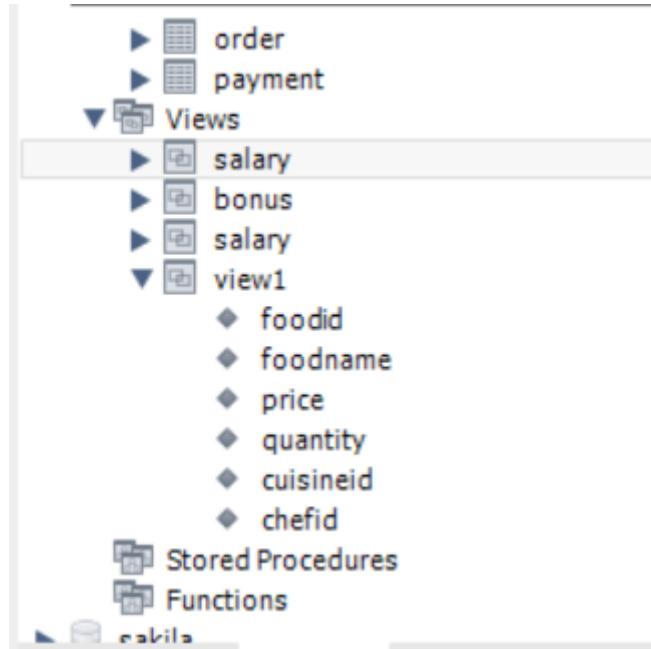
|   | fname   | lname | gender | salary |
|---|---------|-------|--------|--------|
| ▶ | Kanisha | Shah  | F      | 230000 |

8. SELECT concat(concat(Fname, ' '), lname) as Name  
FROM EMPLOYEE WHERE fname LIKE 'a%';

Result Grid |

|   | Name         |
|---|--------------|
| ▶ | adam lavine  |
|   | alex wasabi  |
|   | abby lee     |
|   | ava anderson |

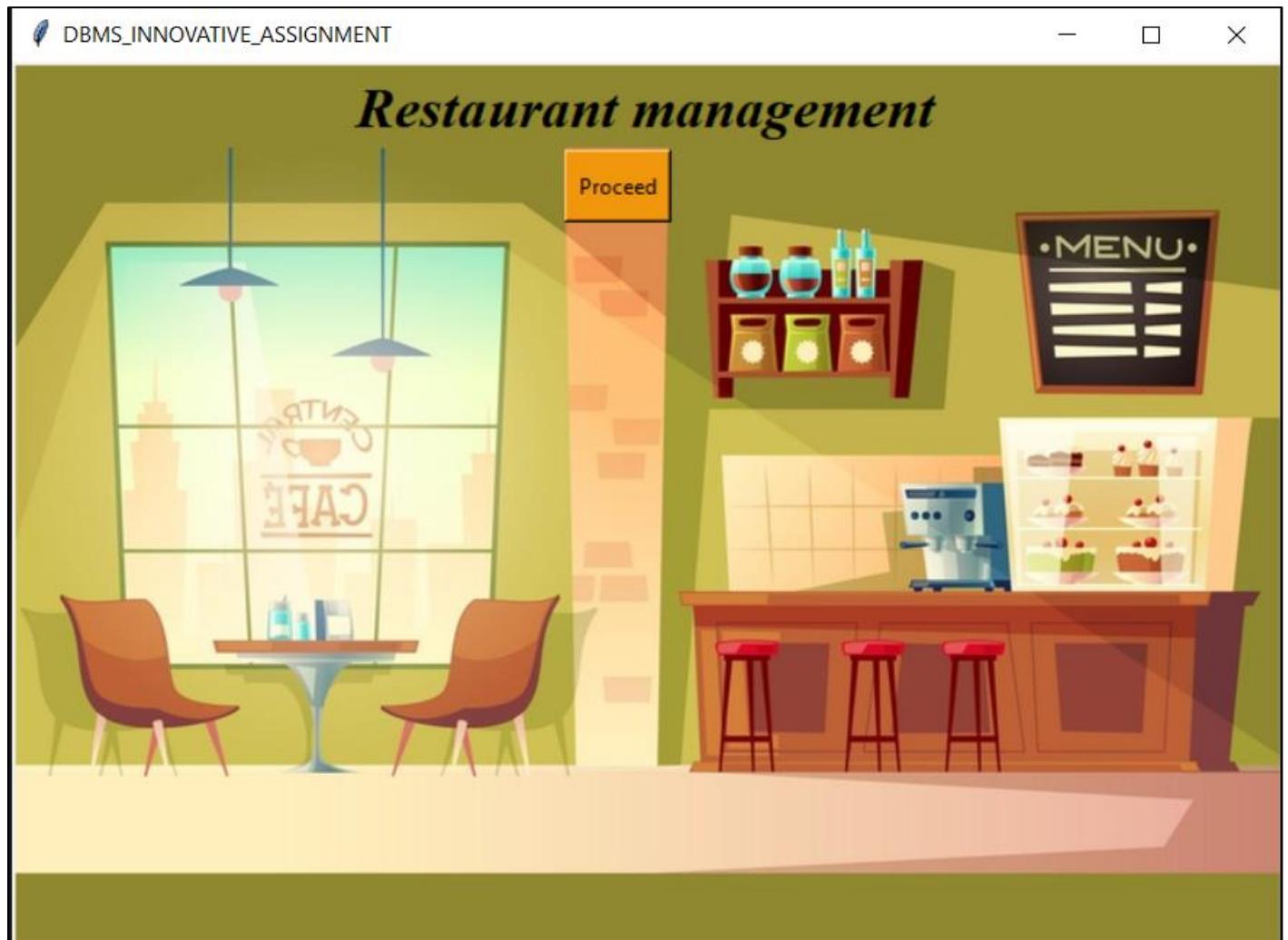
9. CREATE VIEW Salary AS SELECT chefid,  
SUM(employee.salary) FROM CHEF JOIN employee ON  
Chef.chefid = employee.empid GROUP BY Chef.chefid



10. select o.ordid, fname, lname, foodname, dname, paymethod from customer c, payment p  
restaurant\_management.order o , food f, drinks d  
where c.custid=p.custid and p.ordid=o.ordid and  
o.foodid=f.foodid and o.drinkid=d.drinkid ;

|   | ordid | fname | lname  | foodname | dname        | paymethod |
|---|-------|-------|--------|----------|--------------|-----------|
| ▶ | 100   | Stuti | Patel  | Maggiee  | Coffee       | Card      |
|   | 104   | Meet  | Vora   | Punjabi  | Mojito       | Credit    |
|   | 102   | Kruti | Pandya | Burger   | Orange Juice | Cash      |

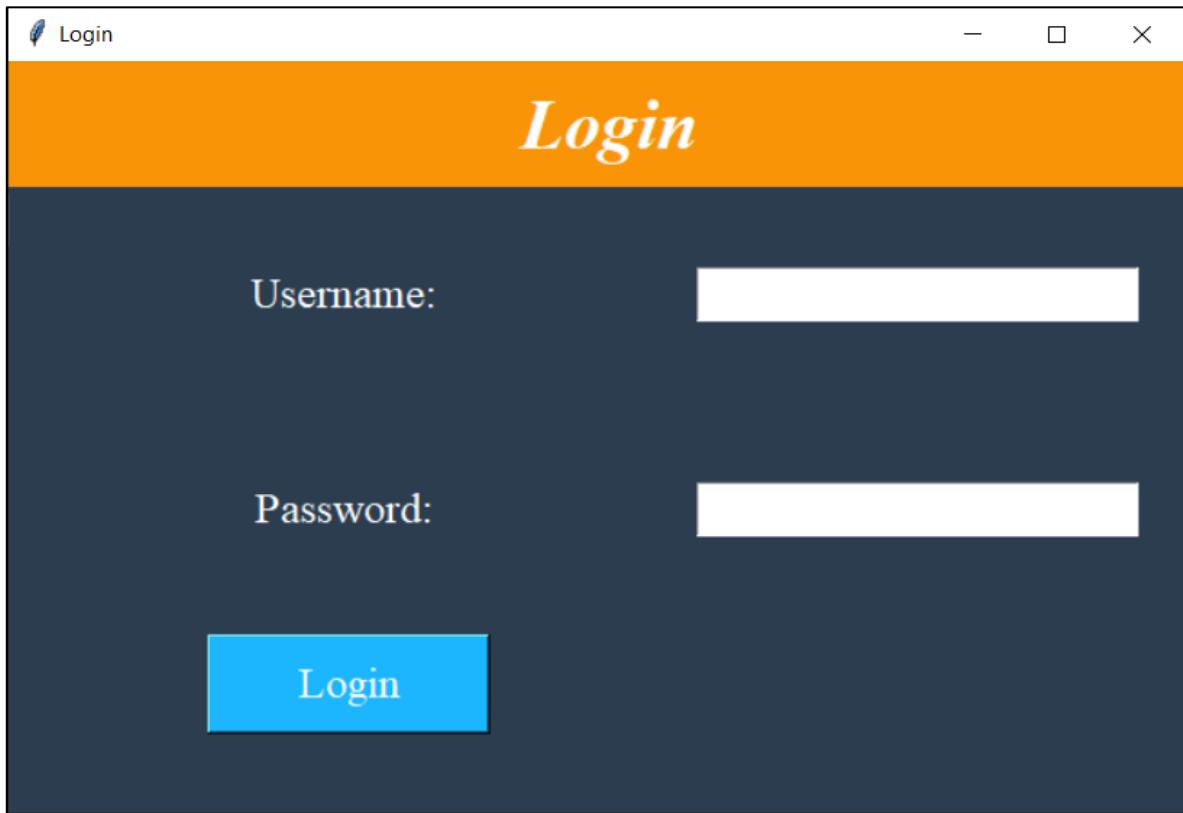
# RELATIONAL MODEL



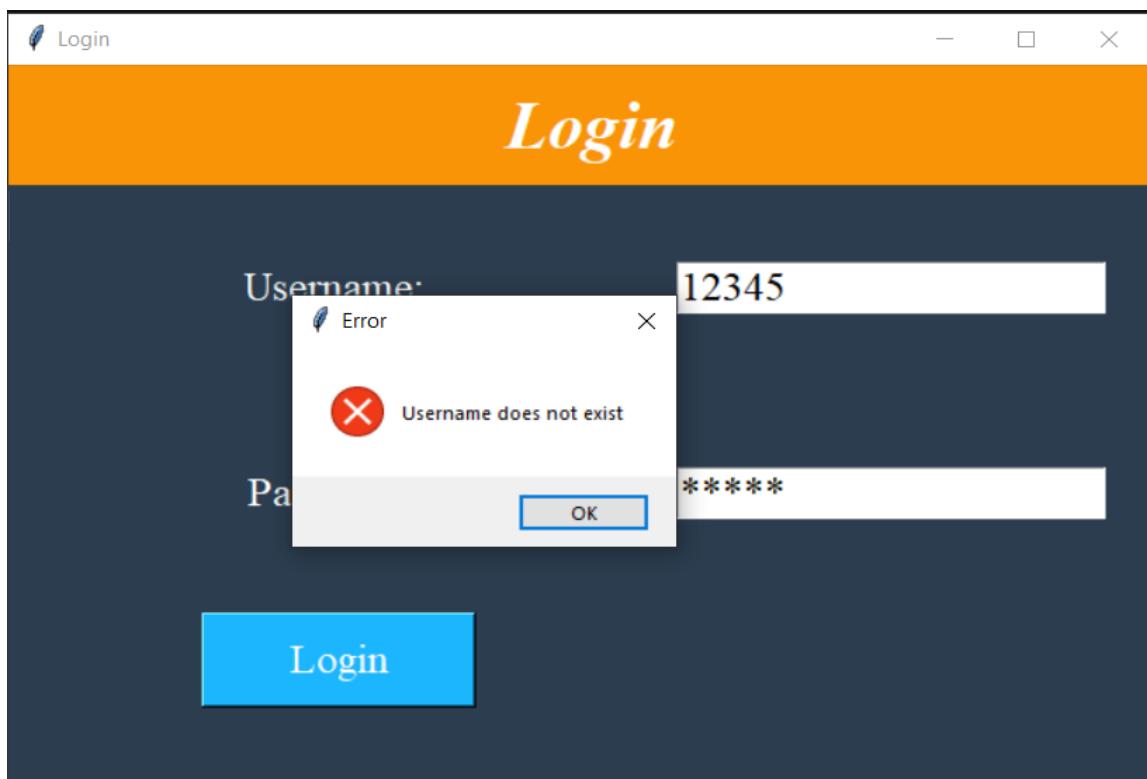
First page of Restaurant Database Management using GUI Python Tkinter.

User clicks the proceed button, to manipulate the data.

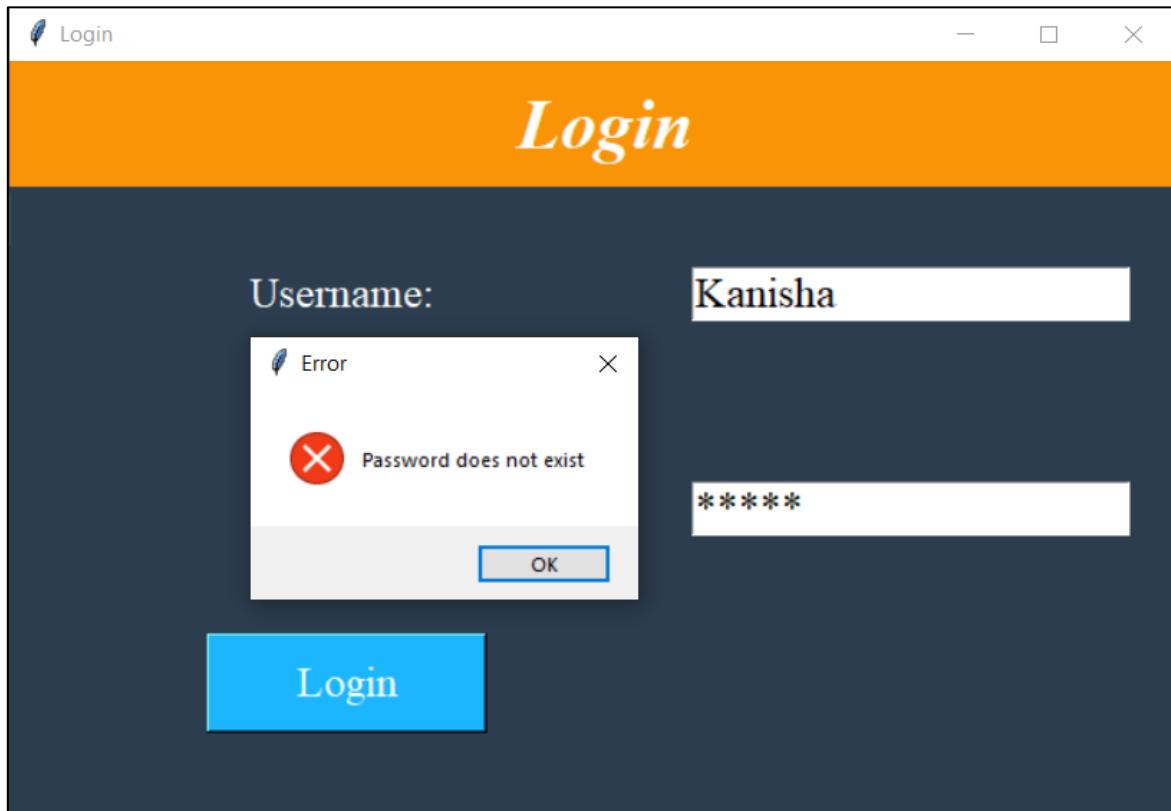
The user has to enter correct password and user id in order to access the database.



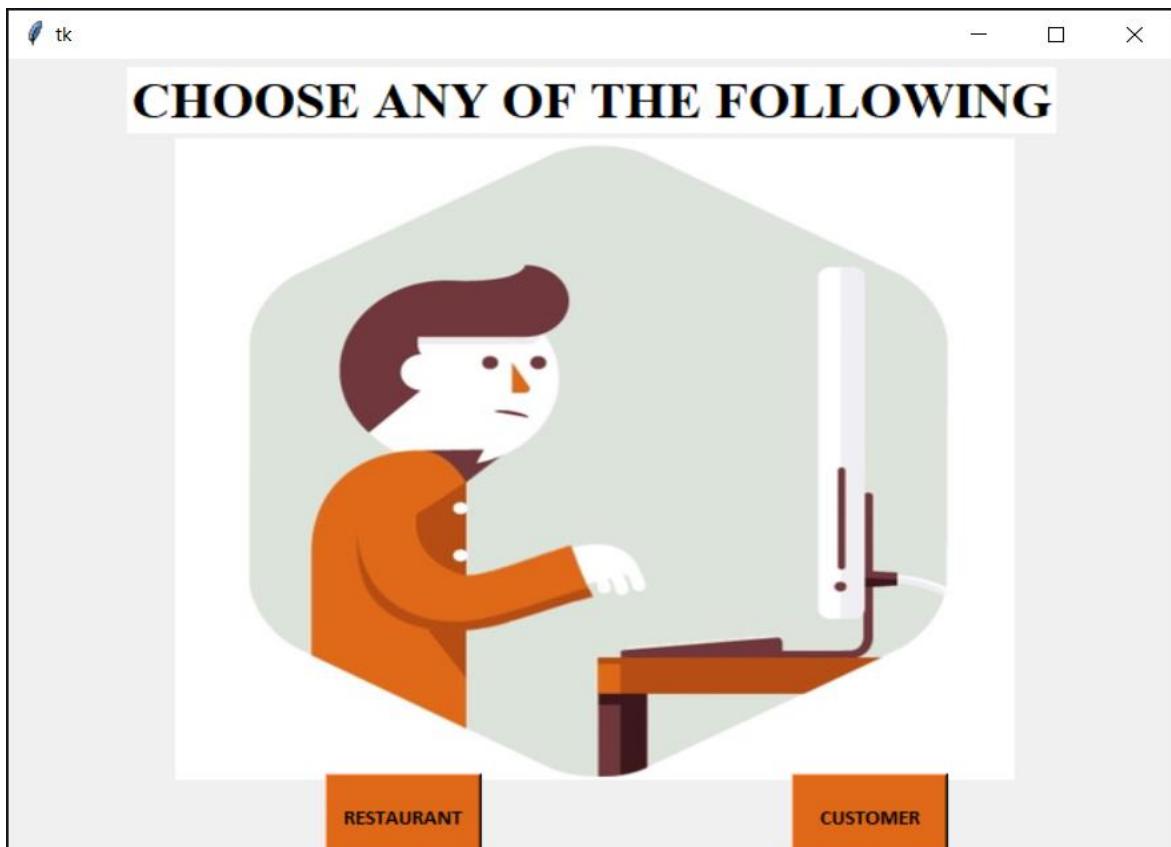
The username does not exist, hence raises error.



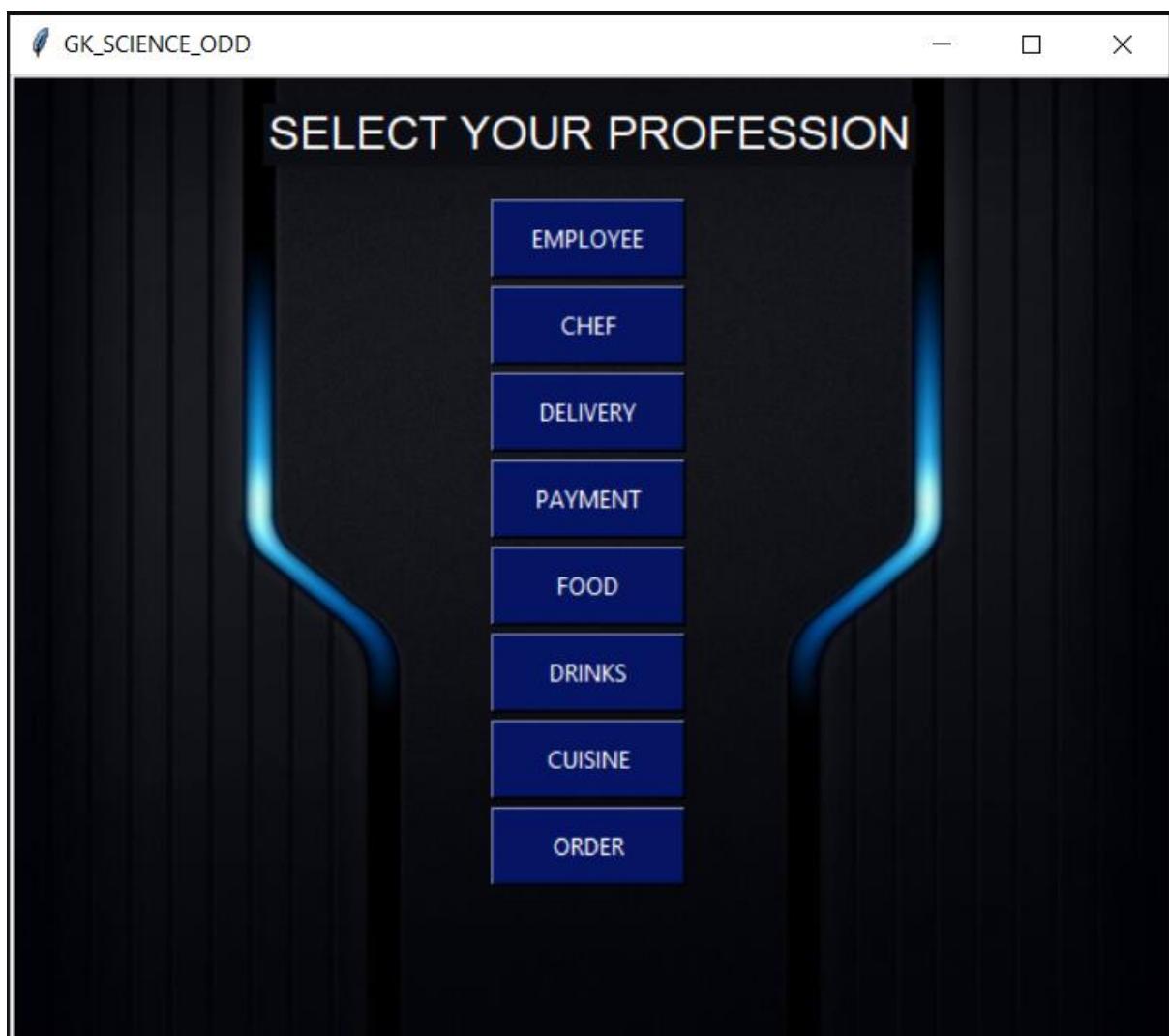
The password is incorrect, hence raises error.



On correct details provided, user gets access to the database, he has to choose from any of the following button inorder to access that record.

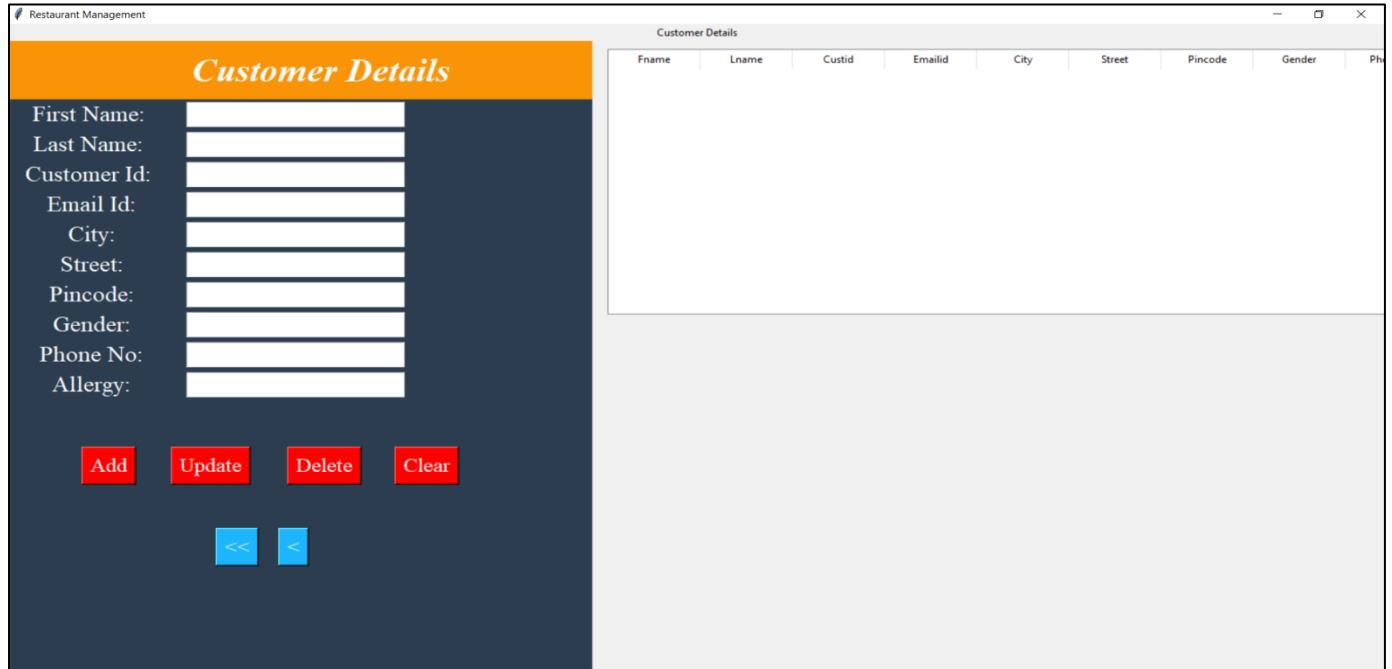


On selecting restaurant the following page opens and user can select any of the following to manipulate the respective data.

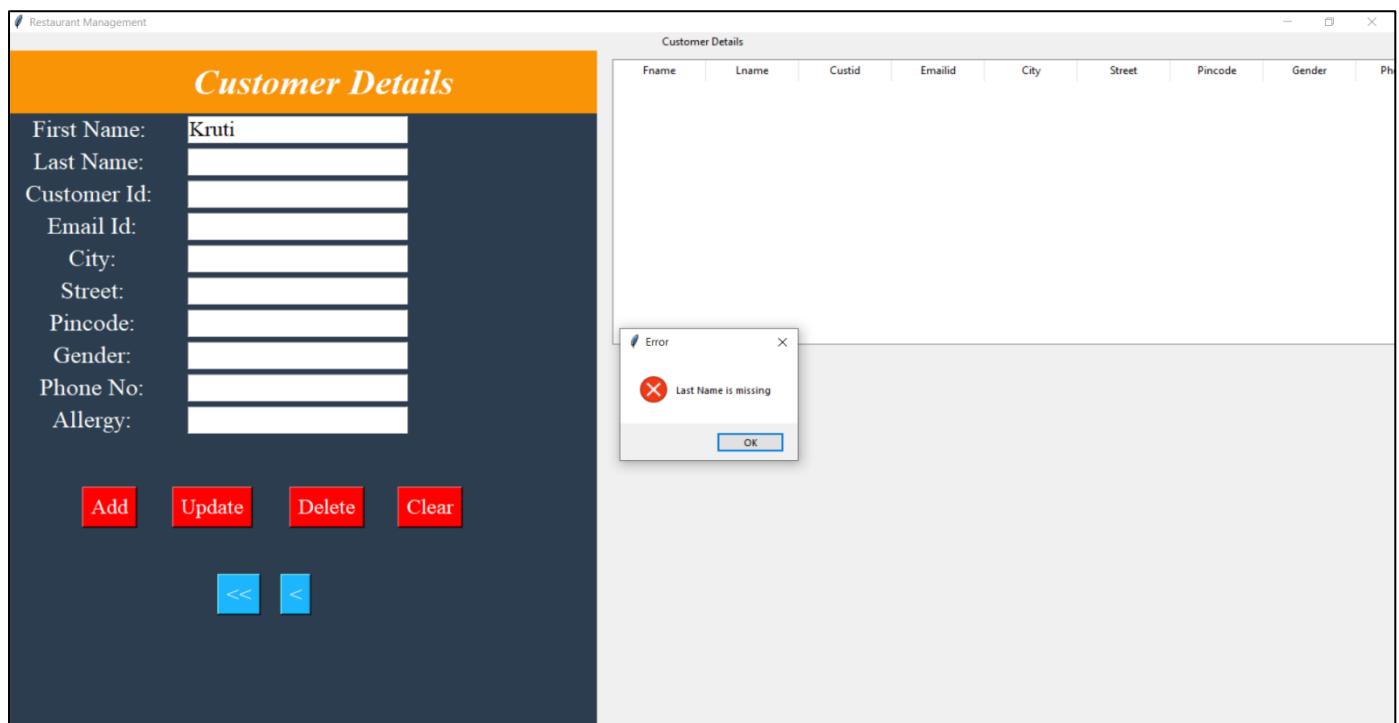


# CUSTOMER:

On clicking customer the following GUI window opens, where user can add update delete the data and few buttons provided here.



Some of the constraint violations leads to raise error when trying to add, update or delete.



Restaurant Management

### Customer Details

|              |       |
|--------------|-------|
| First Name:  | Kruti |
| Last Name:   | Pandy |
| Customer Id: | 100   |
| Email Id:    |       |
| City:        |       |
| Street:      |       |
| Pincode:     |       |
| Gender:      |       |
| Phone No:    |       |
| Allergy:     |       |

**Add** **Update** **Delete** **Clear**

<< <

Customer Details

| Fname | Lname | Custid | Emailid | City | Street | Pincode | Gender | Ph |
|-------|-------|--------|---------|------|--------|---------|--------|----|
|       |       |        |         |      |        |         |        |    |

Error  
Email ID must contain @ and .com only once  
OK

Restaurant Management

### Customer Details

|              |             |
|--------------|-------------|
| First Name:  | Kruti       |
| Last Name:   | Pandy       |
| Customer Id: | 100         |
| Email Id:    | kruti@gmail |
| City:        |             |
| Street:      |             |
| Pincode:     |             |
| Gender:      |             |
| Phone No:    |             |
| Allergy:     |             |

**Add** **Update** **Delete** **Clear**

<< <

Customer Details

| Fname | Lname | Custid | Emailid | City | Street | Pincode | Gender | Ph |
|-------|-------|--------|---------|------|--------|---------|--------|----|
|       |       |        |         |      |        |         |        |    |

Error  
Email ID must contain @ and .com only once  
OK

Restaurant Management

### Customer Details

|              |                 |
|--------------|-----------------|
| First Name:  | Kruti           |
| Last Name:   | Pandy           |
| Customer Id: | 100             |
| Email Id:    | kruti@gmail.com |
| City:        | Ahmedabad       |
| Street:      | paldi           |
| Pincode:     | 41              |
| Gender:      |                 |
| Phone No:    |                 |
| Allergy:     |                 |

**Add** **Update** **Delete** **Clear**

<< <

Customer Details

| Fname | Lname | Custid | Emailid | City | Street | Pincode | Gender | Ph |
|-------|-------|--------|---------|------|--------|---------|--------|----|
|       |       |        |         |      |        |         |        |    |

Error  
Pincode should be atleast 6 digits  
OK

Restaurant Management

### Customer Details

|              |                 |
|--------------|-----------------|
| First Name:  | Kruti           |
| Last Name:   | Pandya          |
| Customer Id: | 100             |
| Email Id:    | kruti@gmail.com |
| City:        | Ahmedabad       |
| Street:      | paldi           |
| Pincode:     | 380007          |
| Gender:      | 6               |
| Phone No:    |                 |
| Allergy:     |                 |

Add    Update    Delete    Clear

<<    <

Customer Details

| Fname | Lname | Custid | Emailid | City | Street | Pincode | Gender | Ph |
|-------|-------|--------|---------|------|--------|---------|--------|----|
|       |       |        |         |      |        |         |        |    |

Error

Gender should be only F, M, O

OK

Restaurant Management

### Customer Details

|              |                 |
|--------------|-----------------|
| First Name:  | Kruti           |
| Last Name:   | Pandya          |
| Customer Id: | 100             |
| Email Id:    | kruti@gmail.com |
| City:        | Ahmedabad       |
| Street:      | paldi           |
| Pincode:     | 380007          |
| Gender:      | F               |
| Phone No:    | 74152           |
| Allergy:     |                 |

Add    Update    Delete    Clear

<<    <

Customer Details

| Fname | Lname | Custid | Emailid | City | Street | Pincode | Gender | Ph |
|-------|-------|--------|---------|------|--------|---------|--------|----|
|       |       |        |         |      |        |         |        |    |

Error

Phone no should of 10 digits only

OK

Restaurant Management

### Customer Details

|              |                 |
|--------------|-----------------|
| First Name:  | Kruti7854       |
| Last Name:   | Pandya          |
| Customer Id: | 100             |
| Email Id:    | kruti@gmail.com |
| City:        | Ahmedabad       |
| Street:      | paldi           |
| Pincode:     | 380007          |
| Gender:      | F               |
| Phone No:    | 74152           |
| Allergy:     |                 |

Add    Update    Delete    Clear

<<    <

Customer Details

| Fname | Lname | Custid | Emailid | City | Street | Pincode | Gender | Ph |
|-------|-------|--------|---------|------|--------|---------|--------|----|
|       |       |        |         |      |        |         |        |    |

Error

First Name can't contain Numbers or special characters

OK

Add operation executed successfully.

Restaurant Management

### Customer Details

| Fname   | Lname  | Custid | Emailid            | City      | Street | Pincode | Gender | Phoneno    | Allergy |
|---------|--------|--------|--------------------|-----------|--------|---------|--------|------------|---------|
| KANISHA | SHAH   | 1      | shahkani@gmail.com | Ahmedabad | Rajpur | 380007  | F      | 9512990798 | xyz     |
| Meet    | Vora   | 2      | meet@gmail.com     | Surat     | paldi  | 380005  | M      | 8541236975 | Null    |
| Kruti   | Pandya | 100    | kruti@gmail.com    | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |

First Name: Kruti  
Last Name: Pandya  
Customer Id: 100  
Email Id: kruti@gmail.com  
City: Ahmedabad  
Street: paldi  
Pincode: 380007  
Gender: F  
Phone No: 9512990798  
Allergy:

Add    Update    Delete    Clear

<<    <

Restaurant Management

### Customer Details

| Fname   | Lname  | Custid | Emailid         | City      | Street | Pincode | Gender | Phoneno    | Allergy |
|---------|--------|--------|-----------------|-----------|--------|---------|--------|------------|---------|
| Kanisha | Shah   | 1      | kanii@gmail.com | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |
| Meet    | Vora   | 2      | meet@gmail.com  | Ahmedabad | Gota   | 380009  | M      | 8541263798 | Null    |
| Kruti   | Pandya | 100    | kruti@gmail.com | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |

First Name: Meet  
Last Name: Vora  
Customer Id: 20  
Email Id: meet@gmail.com  
City: Ahmedabad  
Street: Gota  
Pincode: 380009  
Gender: M  
Phone No: 8541263798  
Allergy:

Add    Update    Delete    Clear

<<    <

Error

Customer ID doesn't exist

OK

As you can see the update has been made in the MySQL workspace.

The screenshot shows the MySQL Workbench interface. In the top navigation bar, 'File', 'Edit', 'View', 'Query', 'Database', 'Server', 'Tools', 'Scripting', and 'Help' are visible. The 'Navigator' pane on the left lists schemas like 'employee', 'expensetracker', 'mydatabase', and 'restaurant\_management'. Under 'Tables', it lists 'chef', 'current', 'customer', 'delivery', 'drinks', 'food', 'order', and 'payment'. The 'SQL File 4\*' tab contains the query: 'select \* from restaurant\_management.customer;'. The 'Result Grid' shows the following data:

| Fname   | Lname  | Custid | EmailId         | City      | Street | Pincode | Gender | PhoneNo    | Allergy |
|---------|--------|--------|-----------------|-----------|--------|---------|--------|------------|---------|
| Kanisha | Shah   | 1      | kani@gmail.com  | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |
| Meet    | Vora   | 2      | meet@gmail.com  | Ahmedabad | Gota   | 380009  | M      | 8541263798 | Null    |
| Kruti   | Pandya | 100    | kruti@gmail.com | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |
|         |        |        |                 |           |        |         |        |            |         |

The 'customer 2' tab shows the output of the query: 'select \* from restaurant\_management.customer;'. It displays the message '3 row(s) returned' and a duration of '0.000 sec / 0.000 sec'.

Updated the name of Meet Vora to Meet Sheth

The screenshot shows a 'Customer Details' application window. On the left, there is a form with fields for First Name, Last Name, Customer Id, Email Id, City, Street, Pincode, Gender, Phone No., and Allergy. The 'First Name' field contains 'Meet' and the 'Last Name' field contains 'Sheth'. Below the form are four buttons: 'Add', 'Update', 'Delete', and 'Clear'. To the right of the form is a 'Customer Details' grid table with the following data:

| Fname   | Lname  | Custid | EmailId         | City      | Street | Pincode | Gender | PhoneNo    |
|---------|--------|--------|-----------------|-----------|--------|---------|--------|------------|
| Kanisha | Shah   | 1      | kani@gmail.com  | Ahmedabad | paldi  | 380007  | F      | 9512990798 |
| Meet    | Sheth  | 2      | meet@gmail.com  | Ahmedabad | Gota   | 380009  | M      | 8541263798 |
| Kruti   | Pandya | 100    | kruti@gmail.com | Ahmedabad | paldi  | 380007  | F      | 9512990798 |

## Delete operation , Meet Sheth's record has been deleted

**Customer Details**

| First Name:  | Meet           |
|--------------|----------------|
| Last Name:   | Sheth          |
| Customer Id: | 2              |
| Email Id:    | meet@gmail.com |
| City:        | Ahmedabad      |
| Street:      | Gota           |
| Pincode:     | 380009         |
| Gender:      | M              |
| Phone No:    | 8541263798     |
| Allergy:     |                |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- employee
- expensetracker
- mydatabase
- restaurant\_management

Tables

- chef
- cuisine
- customer
- delivery
- drinks
- employee
- food
- order
- payment
- sakila
- sys
- world

SQL File 4\*

```
1 • select * from restaurant_management.customer;
```

Result Grid

| Fname   | Iname  | custid | emailid         | city      | street | pincode | gender | phoneno    | allergy |
|---------|--------|--------|-----------------|-----------|--------|---------|--------|------------|---------|
| Kanisha | Shah   | 1      | kanii@gmail.com | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |
| Kruti   | Pandya | 100    | kruti@gmail.com | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |

customer 3

Action Output

| # | Time     | Action                                       | Message           | Duration / Fetch      |
|---|----------|--|-------------------|-----------------------|
| 1 | 18:45:51 | select * from restaurant_management.customer | 3 row(s) returned | 0.000 sec / 0.000 sec |
| 2 | 18:48:14 | select * from restaurant_management.customer | 2 row(s) returned | 0.000 sec / 0.000 sec |

# EMPLOYEE:

Python GUI Application

RESTAURANT DATABASE SYSTEM

**EMPLOYEE**

|             |                      |
|-------------|----------------------|
| First Name: | <input type="text"/> |
| Last Name:  | <input type="text"/> |
| Emp Id:     | <input type="text"/> |
| Email Id:   | <input type="text"/> |
| Address :   | <input type="text"/> |
| Gender:     | <input type="text"/> |
| Phone No:   | <input type="text"/> |
| Salary:     | <input type="text"/> |

Add    Update    Delete    Clear

<<    <

| First Name | Last Name | Emp Id | Email Id | Address | Gender | Phone No | Salary |
|------------|-----------|--------|----------|---------|--------|----------|--------|
|            |           |        |          |         |        |          |        |

## Constraint violation

Python GUI Application

RESTAURANT DATABASE SYSTEM

**EMPLOYEE**

|             |                      |
|-------------|----------------------|
| First Name: | Sukriti              |
| Last Name:  | Sharma               |
| Emp Id:     | 1002                 |
| Email Id:   | <input type="text"/> |
| Address :   | <input type="text"/> |
| Gender:     | <input type="text"/> |
| Phone No:   | <input type="text"/> |
| Salary:     | <input type="text"/> |

Add    Update    Delete    Clear

<<    <

Error

Email field is missing

OK

| First Name | Last Name | Emp Id | Email Id | Address | Gender | Phone No | Salary |
|------------|-----------|--------|----------|---------|--------|----------|--------|
|            |           |        |          |         |        |          |        |

Python GUI Application

## RESTAURANT DATABASE SYSTEM

### EMPLOYEE

First Name: Sukriti  
Last Name: Sharma  
Emp Id: 1002  
Email Id: sukriti@g  
Address :  
Gender:  
Phone No:  
Salary:

Add    Update    Delete    Clear

| First Name | Last Name | Emp Id | Email Id | Address | Gender | Phone No | Salary |
|------------|-----------|--------|----------|---------|--------|----------|--------|
|            |           |        |          |         |        |          |        |

Error

Email ID must contain @ and .com only once

<< <

The screenshot shows a Python GUI application window titled "RESTAURANT DATABASE SYSTEM". The main title bar has a light blue background. Below it, a large orange header bar contains the word "EMPLOYEE" in white capital letters. To the right of the header is a table with columns: First Name, Last Name, Emp Id, Email Id, Address, Gender, Phone No, and Salary. The first row of the table is visible, showing placeholder text for each column. On the left side of the main area, there is a form with the following fields and buttons:

- First Name:
- Last Name:
- Emp Id:
- Email Id:
- Address :
- Gender:
- Phone No:
- Salary:

Below the form are four red buttons with white text: "Add", "Update", "Delete", and "Clear". At the bottom left are two small blue navigation icons: a double-left arrow and a single-left arrow.

A modal dialog box titled "Error" is displayed in the center, containing a red "X" icon and the message "Gender filed must be F or M or O". A blue "OK" button is at the bottom right of the dialog.

The screenshot shows a Python GUI application titled "Python GUI Application" with a light blue header bar. The main title of the application is "RESTAURANT DATABASE SYSTEM". Below the header, there is a section titled "EMPLOYEE" with an orange header. This section contains input fields for various employee details: First Name (Sukriti), Last Name (Sharma), Emp Id (1002), Email Id (sukriti@gmail.com), Address (paldi), Gender (F), Phone No (8451269752), and Salary. Below these input fields are four red buttons labeled "Add", "Update", "Delete", and "Clear". At the bottom left of the main window, there are two small blue navigation buttons labeled "<<" and "<". To the right of the "EMPLOYEE" section is a table with columns: First Name, Last Name, Emp Id, Email Id, Address, Gender, Phone No, and Salary. A modal dialog box titled "Error" is displayed, showing a red "X" icon and the message "Salary field is missing" with an "OK" button.

Python GUI Application

### RESTAURANT DATABASE SYSTEM

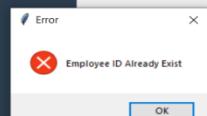
| EMPLOYEE    |         | Employee Details  |        |         |      |           |                   |           |       |   |   |           |            |         |       |
|-------------|---------|---|--------|---------|------|-----------|-------------------|-----------|-------|---|---|-----------|------------|---------|-------|
| First Name: | Sukriti | Last Name:  |        | Emp Id: |      | Email Id: |                   | Address:  |       | Gender:   |   | Phone No: |            | Salary: |       |
| First Name: | Sukriti | Last Name:  | Sharma | Emp Id: | 1002 | Email Id: | sukriti@gmail.com | Address : | paldi | Gender:   | F | Phone No: | 8451269752 | Salary: | 10000 |
|             |         | <input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/> |        |         |      |           |                   |           |       |   |   |           |            |         |       |
|             |         |   |        |         |      |           |                   |           |       | <input type="button" value="&lt;&lt;"/> <input type="button" value="&lt;"/> |   |           |            |         |       |



Python GUI Application

### RESTAURANT DATABASE SYSTEM

| EMPLOYEE    |         | Employee Details  |        |         |      |           |                   |           |       |   |   |           |            |         |       |
|-------------|---------|---|--------|---------|------|-----------|-------------------|-----------|-------|---|---|-----------|------------|---------|-------|
| First Name: | Sukriti | Last Name:  |        | Emp Id: |      | Email Id: |                   | Address:  |       | Gender:   |   | Phone No: |            | Salary: |       |
| First Name: | Sukriti | Last Name:  | Sharma | Emp Id: | 1002 | Email Id: | sukriti@gmail.com | Address : | paldi | Gender:   | F | Phone No: | 8451269752 | Salary: | 10000 |
|             |         | <input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/> |        |         |      |           |                   |           |       |   |   |           |            |         |       |
|             |         |   |        |         |      |           |                   |           |       | <input type="button" value="&lt;&lt;"/> <input type="button" value="&lt;"/> |   |           |            |         |       |



Added the information in database

Python GUI Application

### RESTAURANT DATABASE SYSTEM

| EMPLOYEE    |                   | Employee Details  |               |           |                |           |                 |           |            |   |   |           |            |           |
|-------------|-------------------|---|---------------|-----------|----------------|-----------|-----------------|-----------|------------|---|---|-----------|------------|-----------|
| First Name: | Sukriti           | Last Name:  | lavine        | Emp Id:   | adam@gmail.co  | Email Id: | Bangalore       | Address:  | 9980594577 | Gender:   | M | Phone No: | 50000      | Salary:   |
| First Name: | Sukriti           | Last Name:  | lavine        | Emp Id:   | chris@gmail.co | Email Id: | adugodi         | Address:  | 9844038540 | Gender:   | M | Phone No: | 40000      | Salary:   |
| Last Name:  | Sharma            | Emp Id:   | martin        | Email Id: | alewx@gmail.co | Address:  | girinagar       | Gender:   | 9611747941 | Phone No:   | M | Phone No: | 35000      | Salary:   |
| Emp Id:     | 1010              | Address :   | wasabi        | Gender:   | abby@gmail.co  | Phone No: | lee             | Address:  | 9248289899 | Salary:   | F | Phone No: | 60000      | Salary:   |
| Email Id:   | sukriti@gmail.com | Gender:   | abby@gmail.co | Phone No: | kengeri        | Salary:   | briana@gmail.co | Address:  | 9248289899 | Address:  | F | Address:  | 8861360860 | Address:  |
| Address :   | paldi             | Phone No:   | lodge         | Salary:   | solano         | Address:  | jayanagar       | Gender:   | 9483960975 | Gender:   | F | Gender:   | 50000      | Gender:   |
| Gender:     | F                 | Salary:   | ava           | Address:  | anderson       | Gender:   | maria@gmail.co  | Phone No: | 9483960975 | Phone No:   | F | Phone No: | 40000      | Phone No: |
| Phone No:   | 8451269752        | Address:  | ava@gmail.co  | Address:  | kh road        | Address:  | double road     | Address:  | 9483960975 | Address:  | F | Address:  | 60000      | Address:  |
| Salary:     | 10000             | Gender:   | raksha        | Gender:   | remash         | Gender:   | maria@gmail.co  | Gender:   | 9483960975 | Gender:   | F | Gender:   | 70000      | Gender:   |
|             |                   | <input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/> |               |           |                |           |                 |           |            |   |   |           |            |           |
|             |                   |   |               |           |                |           |                 |           |            | <input type="button" value="&lt;&lt;"/> <input type="button" value="&lt;"/> |   |           |            |           |

| First Name | Last Name | Emp Id   | Email Id         | Address     | Gender     | Phone No | Salary |
|------------|-----------|----------|------------------|-------------|------------|----------|--------|
| 1000       | adam      | lavine   | adam@gmail.co    | Bangalore   | 9980594577 | M        | 50000  |
| 1001       | chris     | martin   | chris@gmail.co   | Adugodi     | 9844038540 | M        | 40000  |
| 1002       | alex      | wasabi   | alewx@gmail.co   | girinagar   | 9611747941 | M        | 35000  |
| 1003       | abby      | lee      | abby@gmail.co    | lee         | 9248289899 | F        | 60000  |
| 1004       | briana    | lodge    | briana@gmail.co  | jayanagar   | 8861360860 | F        | 50000  |
| 1005       | maria     | solano   | maria@gmail.co   | double road | 9483960975 | F        | 40000  |
| 1006       | ava       | anderson | ava@gmail.co     | kh road     | 748911232  | F        | 60000  |
| 1007       | raksha    | remash   | raksha@gmail.co  | Bangalore   | 9835383461 | F        | 70000  |
| 1008       | Kanisha   | Shah     | kanisha@gmail.co | paldi       | 9512990798 | F        | 230000 |
| 1009       | Kanisha   | Shah     | kanisha@gmail.co | navrangpura | 9825631402 | F        | 10205  |

## Last name changed to Godaliya using Update

Python GUI Application

### RESTAURANT DATABASE SYSTEM

| First Name | Last Name | Emp Id   | Email Id         | Address     | Gender     | Phone No | Salary |
|------------|-----------|----------|------------------|-------------|------------|----------|--------|
| 1001       | chris     | martin   | chris@gmail.co   | Adugodi     | 9844038540 | M        | 40000  |
| 1002       | alex      | wasabi   | alexw@gmail.co   | girinagar   | 9611747941 | M        | 35000  |
| 1003       | abby      | lee      | abby@gmail.co    | kengeri     | 9248289899 | F        | 60000  |
| 1004       | briana    | lodge    | briana@gmail.co  | jayanagar   | 8861360860 | F        | 50000  |
| 1005       | maria     | solano   | maria@gmail.co   | double road | 9483960975 | F        | 40000  |
| 1006       | ava       | anderson | ava@gmail.co     | kh road     | 7486911232 | F        | 60000  |
| 1007       | raksha    | remash   | raksha@gmail.co  | Bangalore   | 9835383461 | F        | 70000  |
| 1008       | Kanisha   | Shah     | kanisha@gmail.co | paldi       | 9512990798 | F        | 230000 |
| 1009       | Kanisha   | Shah     | kanisha@gmail.co | navrangpura | 9825631402 | F        | 10205  |
| 1010       | Sukriti   | Sharma   | sukriti@gmail.co | paldi       | 8451269752 | F        | 10000  |

**EMPLOYEE**

First Name:

Last Name:

Emp Id:

Email Id:

Address :

Gender:

Phone No:

Salary:

**Add**   **Update**   **Delete**   **Clear**

<<   <

Python GUI Application

### RESTAURANT DATABASE SYSTEM

| First Name | Last Name | Emp Id   | Email Id         | Address     | Gender     | Phone No | Salary |
|------------|-----------|----------|------------------|-------------|------------|----------|--------|
| 1001       | chris     | martin   | chris@gmail.co   | Adugodi     | 9844038540 | M        | 40000  |
| 1002       | alex      | wasabi   | alexw@gmail.co   | girinagar   | 9611747941 | M        | 35000  |
| 1003       | abby      | lee      | abby@gmail.co    | kengeri     | 9248289899 | F        | 60000  |
| 1004       | briana    | lodge    | briana@gmail.co  | jayanagar   | 8861360860 | F        | 50000  |
| 1005       | maria     | solano   | maria@gmail.co   | double road | 9483960975 | F        | 40000  |
| 1006       | ava       | anderson | ava@gmail.co     | kh road     | 7486911232 | F        | 60000  |
| 1007       | raksha    | remash   | raksha@gmail.co  | Bangalore   | 9835383461 | F        | 70000  |
| 1008       | Kanisha   | Shah     | kanisha@gmail.co | paldi       | 9512990798 | F        | 230000 |
| 1009       | Kanisha   | Shah     | kanisha@gmail.co | navrangpura | 9825631402 | F        | 10205  |
| 1010       | Sukriti   | Godaliya | sukriti@gmail.co | paldi       | 8451269752 | F        | 10000  |

**EMPLOYEE**

First Name:

Last Name:

Emp Id:

Email Id:

Address :

Gender:

Phone No:

Salary:

**Add**   **Update**   **Delete**   **Clear**

<<   <

# Reflection seen in the SQL workspace

The screenshot shows the MySQL Workbench interface with a query window titled "SQL File 4\*". The query is:

```
1 • select * from restaurant_management.employee;
```

The results grid displays 11 rows of employee data:

| empid | Fname   | Iname    | emailid           | Address     | phoneno    | gender | salary |
|-------|---------|----------|-------------------|-------------|------------|--------|--------|
| 1000  | adam    | lavine   | adam@gmail.com    | Bangalore   | 9980594577 | M      | 50000  |
| 1001  | chris   | martin   | chris@gmail.com   | Adugodi     | 9844038540 | M      | 40000  |
| 1002  | alex    | wasabi   | alexxw@gmail.com  | girinagar   | 9611747941 | M      | 35000  |
| 1003  | abby    | lee      | abby@gmail.com    | kengeri     | 9246289899 | F      | 60000  |
| 1004  | briana  | lodge    | briana@gmail.com  | jayanagar   | 8861360860 | F      | 50000  |
| 1005  | maria   | solano   | maria@gmail.com   | double road | 9483960975 | F      | 40000  |
| 1006  | ava     | anderson | ava@gmail.com     | ih road     | 7486911232 | F      | 60000  |
| 1007  | raksha  | remash   | raksha@gmail.com  | Bangalore   | 9835383461 | F      | 70000  |
| 1008  | Kanisha | Shah     | kanisha@gmail.com | paldi       | 9512990798 | F      | 230000 |
| 1009  | Kanisha | Shah     | kanisha@gmail.com | navrangpura | 9825631402 | F      | 10205  |
| 1010  | Sukriti | Godaliva | sukriti@gmail.com | paldi       | 9451269752 | F      | 10000  |

The "Output" pane shows two log entries:

| # | Time     | Action                                       | Message            | Duration / Fetch      |
|---|----------|--|--------------------|-----------------------|
| 3 | 19:24:11 | select * from restaurant_management.employee | 10 row(s) returned | 0.016 sec / 0.000 sec |
| 4 | 19:26:51 | select * from restaurant_management.employee | 11 row(s) returned | 0.000 sec / 0.000 sec |

This screenshot shows a second execution of the same query in MySQL Workbench:

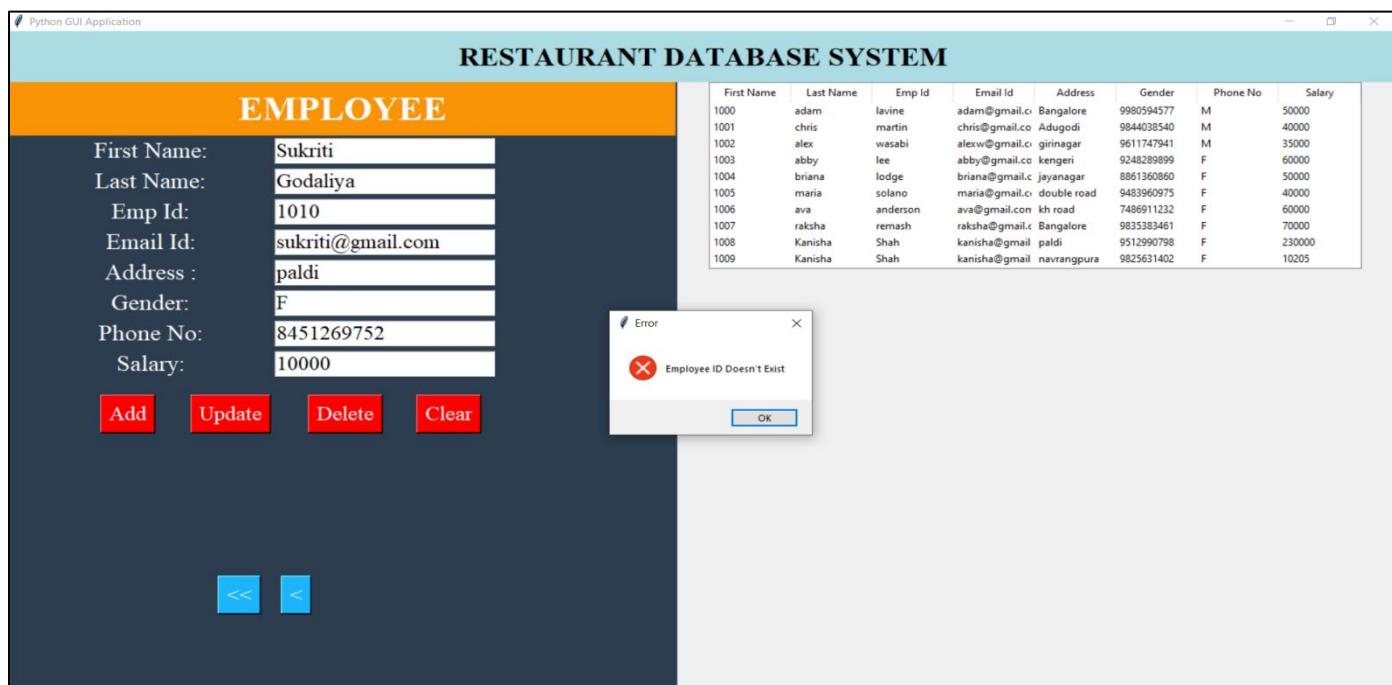
```
1 • select * from restaurant_management.employee;
```

The results grid shows the same 11 rows of employee data.

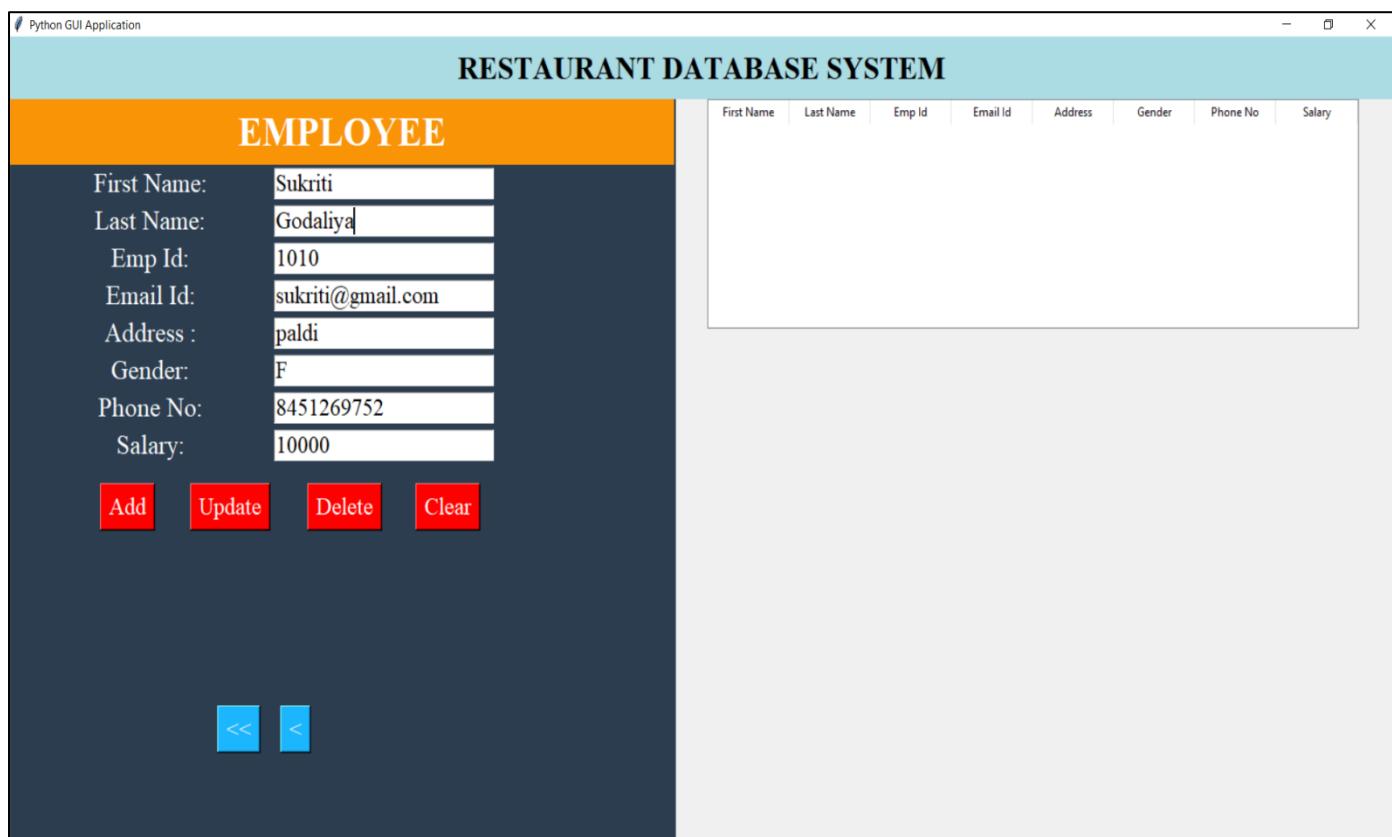
The "Output" pane shows two log entries:

| # | Time     | Action                                       | Message            | Duration / Fetch      |
|---|----------|--|--------------------|-----------------------|
| 4 | 19:26:51 | select * from restaurant_management.employee | 11 row(s) returned | 0.000 sec / 0.000 sec |
| 5 | 19:27:37 | select * from restaurant_management.employee | 10 row(s) returned | 0.000 sec / 0.000 sec |

## 1010 ID DELETED SUCCESSFULLY, SO RAISES ERROR WHEN YOU TRY TO ACCESS



## CLEAR BUTTON CLEARS THE SCREEN



# CHEF:

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

employee expensetracker mydatabase restaurant\_management

Tables: chef cuisine customer delivery drinks employee food order payment

Views Stored Procedures Functions

sakila sys world

SQL File 4\* | Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

1 • select \* from restaurant\_management.chef;

| Chefid | Chefname | Address | phoneno    | spec | empid | Emailid         | salary |
|--------|----------|---------|------------|------|-------|-----------------|--------|
| 2      | Kahan    | paldi   | 9328543995 | 12   | 1000  | kahan@gmail.com | 1000   |
| 3      | Meet     | paldi   | 9852163472 | 15   | 1009  | meet@gmail.com  | 1526   |
| 5      | Arni     | paldi   | 9512856352 | 10   | 1001  | arni@gmail.com  | 20356  |

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

chef 8 | Action Output |

| # | Time     | Action                                       | Message            | Duration / Fetch      |
|---|----------|--|--------------------|-----------------------|
| 6 | 19:29:05 | select * from restaurant_management.employee | 10 row(s) returned | 0.000 sec / 0.000 sec |
| 7 | 19:36:10 | select * from restaurant_management.chef     | 3 row(s) returned  | 0.000 sec / 0.000 sec |

Object Info Session

Python GUI Application

### RESTAURANT DATABASE SYSTEM

#### CHEF

Chef Name: Stuti  
Chef Id:  
Emp Id:  
Email Id:  
Address :  
Spec:  
Phone No:  
Salary:

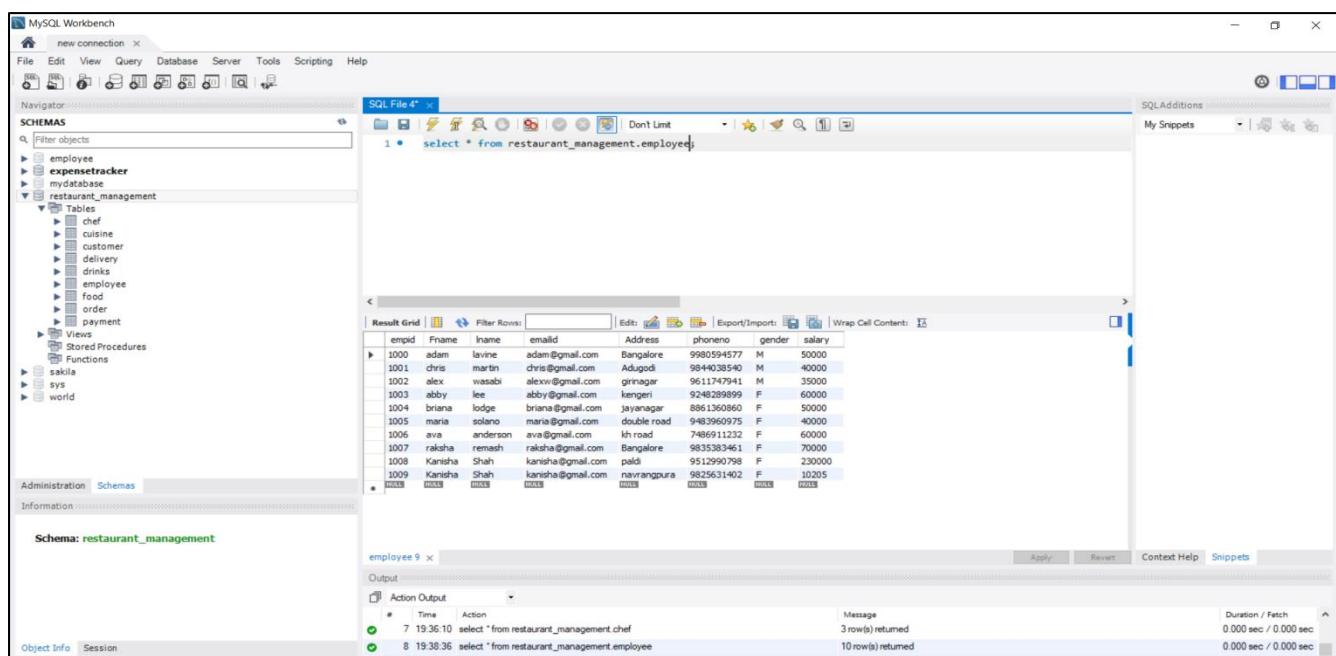
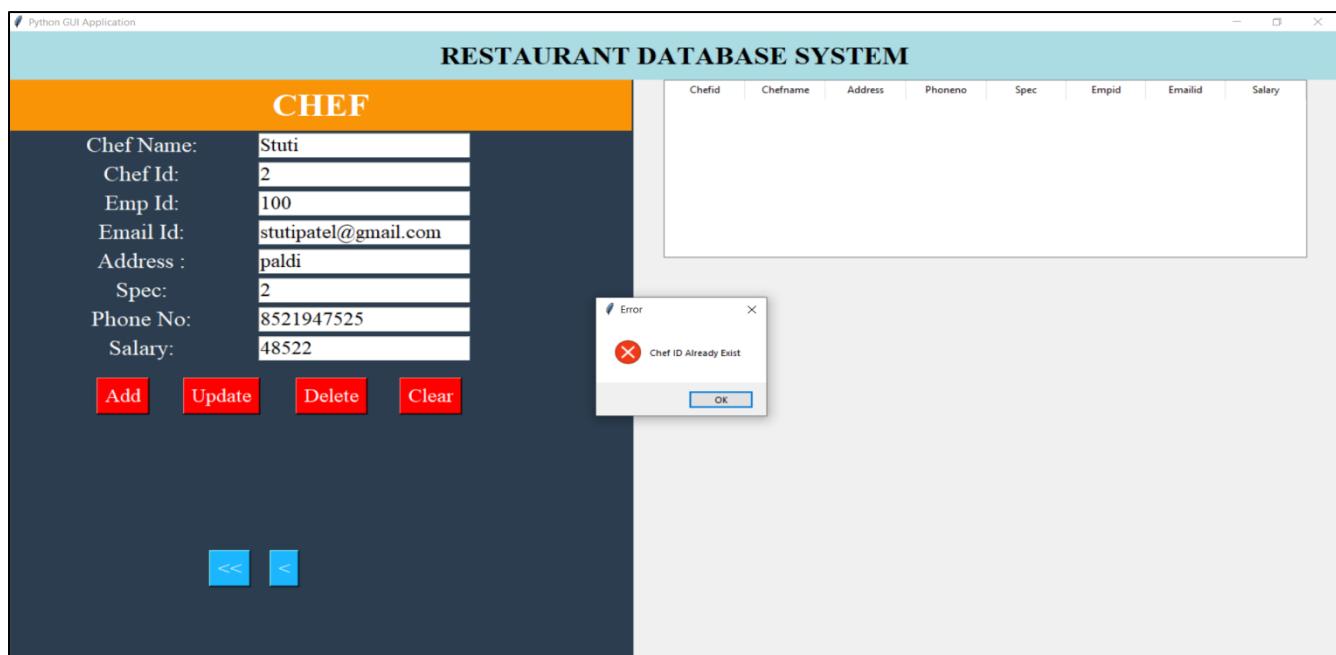
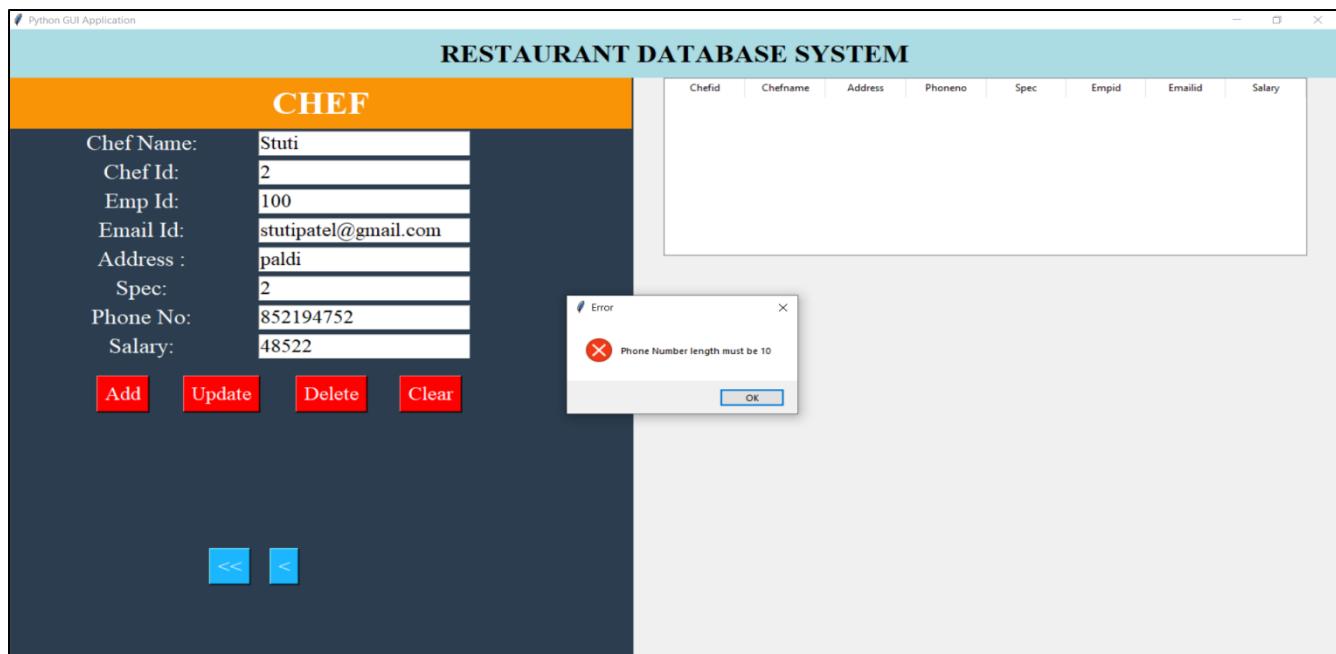
Add Update Delete Clear

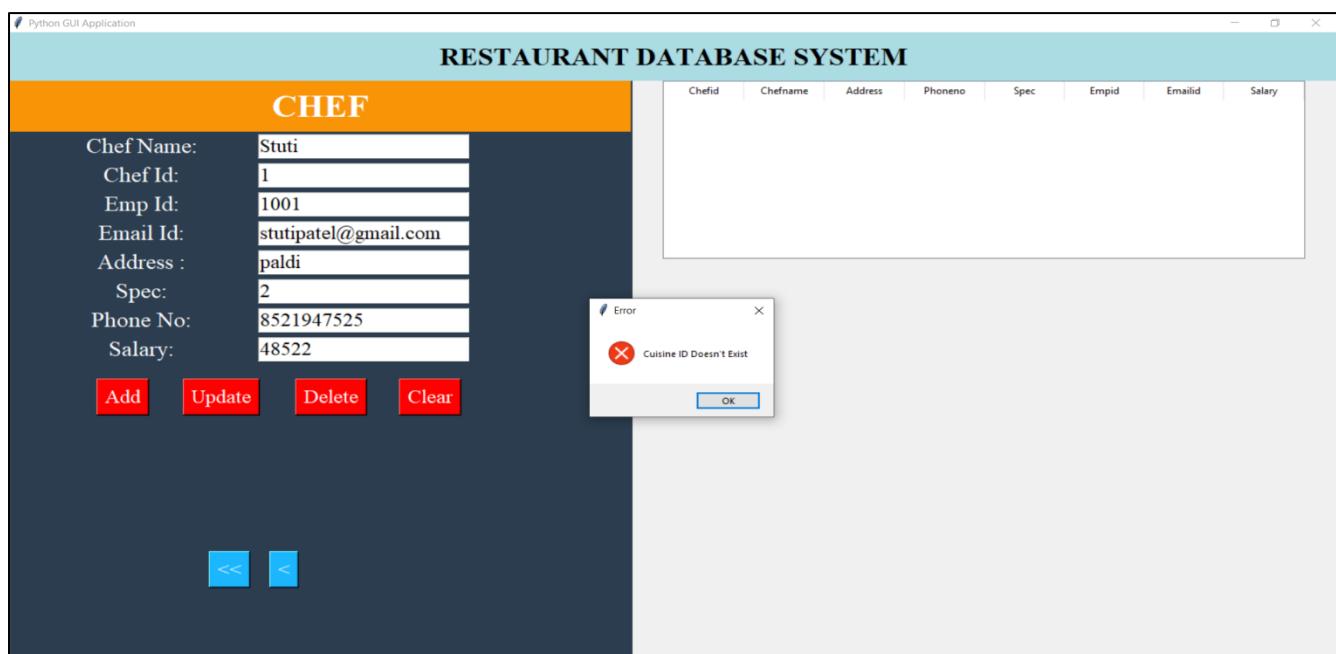
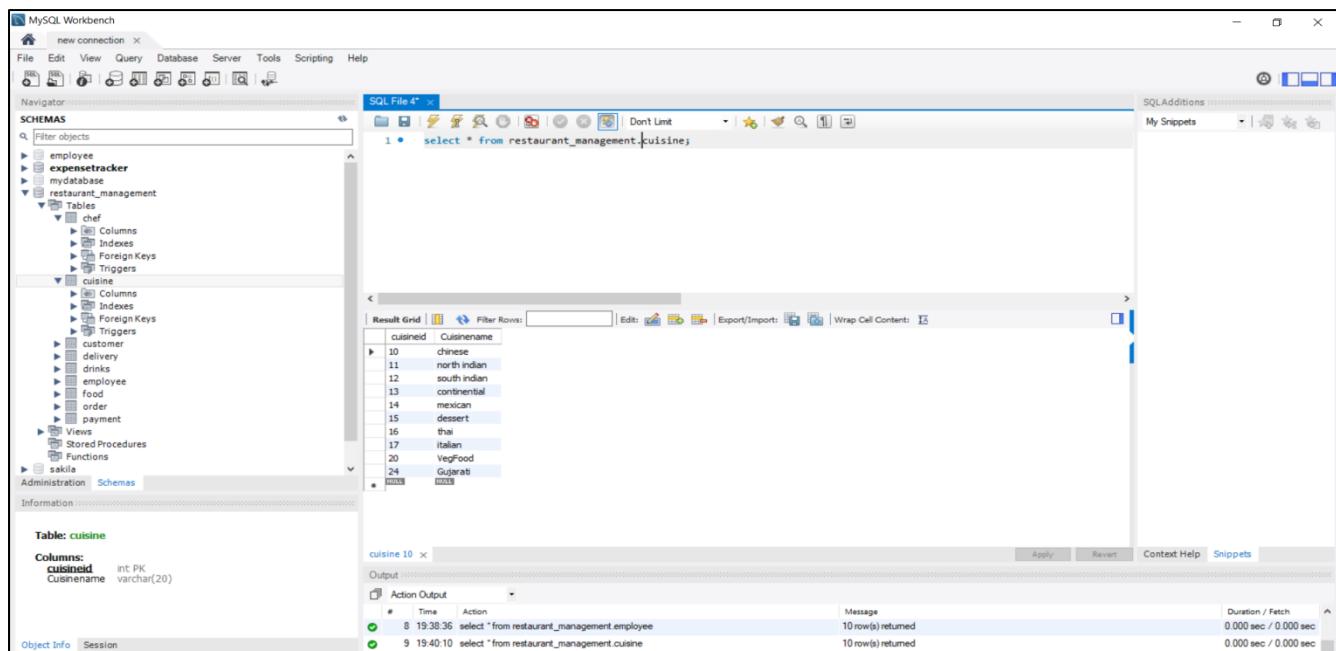
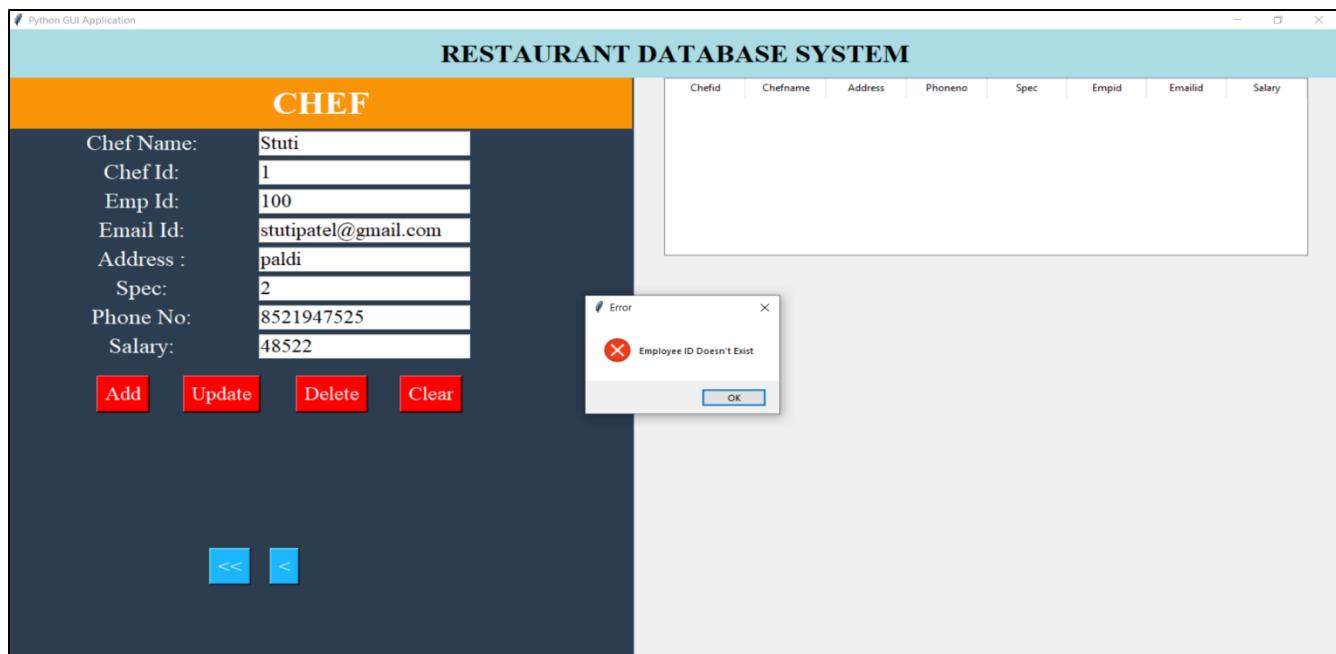
<< <

Error

Chef ID filed is missing

OK





Python GUI Application

### RESTAURANT DATABASE SYSTEM

#### CHEF

| Chef Name: | <input type="text" value="Stuti"/>                | <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Chefid</th> <th>Chefname</th> <th>Address</th> <th>Phoneno</th> <th>Spec</th> <th>Empid</th> <th>Emailid</th> <th>Salary</th> </tr> </thead> <tbody> <tr><td>1</td><td>Stuti</td><td>paldi</td><td>8521947525</td><td>10</td><td>1001</td><td>stutipatel@gmail.com</td><td>48522</td></tr> <tr><td>2</td><td>Kahan</td><td>paldi</td><td>9328543995</td><td>12</td><td>1002</td><td>kahan@gmail.co</td><td>1000</td></tr> <tr><td>3</td><td>Meet</td><td>paldi</td><td>9852163472</td><td>15</td><td>1009</td><td>meet@gmail.co</td><td>1526</td></tr> <tr><td>5</td><td>Anvi</td><td>paldi</td><td>9512856352</td><td>10</td><td>1001</td><td>anvi@gmail.cor</td><td>20356</td></tr> </tbody> </table> | Chefid     | Chefname | Address | Phoneno              | Spec   | Empid | Emailid | Salary | 1 | Stuti | paldi | 8521947525 | 10 | 1001 | stutipatel@gmail.com | 48522 | 2 | Kahan | paldi | 9328543995 | 12 | 1002 | kahan@gmail.co | 1000 | 3 | Meet | paldi | 9852163472 | 15 | 1009 | meet@gmail.co | 1526 | 5 | Anvi | paldi | 9512856352 | 10 | 1001 | anvi@gmail.cor | 20356 |
|------------|---|---|------------|----------|---------|----------------------|--------|-------|---------|--------|---|-------|-------|------------|----|------|----------------------|-------|---|-------|-------|------------|----|------|----------------|------|---|------|-------|------------|----|------|---------------|------|---|------|-------|------------|----|------|----------------|-------|
| Chefid     | Chefname  | Address   | Phoneno    | Spec     | Empid   | Emailid              | Salary |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 1          | Stuti   | paldi   | 8521947525 | 10       | 1001    | stutipatel@gmail.com | 48522  |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 2          | Kahan   | paldi   | 9328543995 | 12       | 1002    | kahan@gmail.co       | 1000   |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 3          | Meet  | paldi   | 9852163472 | 15       | 1009    | meet@gmail.co        | 1526   |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 5          | Anvi  | paldi   | 9512856352 | 10       | 1001    | anvi@gmail.cor       | 20356  |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Chef Id:   | <input type="text" value="1"/>                    |   |            |          |         |                      |        |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Emp Id:    | <input type="text" value="1001"/>                 |   |            |          |         |                      |        |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Email Id:  | <input type="text" value="stutipatel@gmail.com"/> |   |            |          |         |                      |        |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Address :  | <input type="text" value="paldi"/>                |   |            |          |         |                      |        |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Spec:      | <input type="text" value="10"/>                   |   |            |          |         |                      |        |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Phone No:  | <input type="text" value="8521947525"/>           |   |            |          |         |                      |        |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Salary:    | <input type="text" value="48522"/>                |   |            |          |         |                      |        |       |         |        |   |       |       |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |

<<< <<

Python GUI Application

### RESTAURANT DATABASE SYSTEM

#### CHEF

| Chef Name: | <input type="text" value="Stuti"/>                | <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th>Chefid</th> <th>Chefname</th> <th>Address</th> <th>Phoneno</th> <th>Spec</th> <th>Empid</th> <th>Emailid</th> <th>Salary</th> </tr> </thead> <tbody> <tr><td>1</td><td>Stuti</td><td>Ghatlodiya</td><td>8521947525</td><td>10</td><td>1001</td><td>stutipatel@gmail.com</td><td>48522</td></tr> <tr><td>2</td><td>Kahan</td><td>paldi</td><td>9328543995</td><td>12</td><td>1002</td><td>kahan@gmail.co</td><td>1000</td></tr> <tr><td>3</td><td>Meet</td><td>paldi</td><td>9852163472</td><td>15</td><td>1009</td><td>meet@gmail.co</td><td>1526</td></tr> <tr><td>5</td><td>Anvi</td><td>paldi</td><td>9512856352</td><td>10</td><td>1001</td><td>anvi@gmail.cor</td><td>20356</td></tr> </tbody> </table> | Chefid     | Chefname | Address | Phoneno              | Spec   | Empid | Emailid | Salary | 1 | Stuti | Ghatlodiya | 8521947525 | 10 | 1001 | stutipatel@gmail.com | 48522 | 2 | Kahan | paldi | 9328543995 | 12 | 1002 | kahan@gmail.co | 1000 | 3 | Meet | paldi | 9852163472 | 15 | 1009 | meet@gmail.co | 1526 | 5 | Anvi | paldi | 9512856352 | 10 | 1001 | anvi@gmail.cor | 20356 |
|------------|---|--|------------|----------|---------|----------------------|--------|-------|---------|--------|---|-------|------------|------------|----|------|----------------------|-------|---|-------|-------|------------|----|------|----------------|------|---|------|-------|------------|----|------|---------------|------|---|------|-------|------------|----|------|----------------|-------|
| Chefid     | Chefname  | Address  | Phoneno    | Spec     | Empid   | Emailid              | Salary |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 1          | Stuti   | Ghatlodiya   | 8521947525 | 10       | 1001    | stutipatel@gmail.com | 48522  |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 2          | Kahan   | paldi  | 9328543995 | 12       | 1002    | kahan@gmail.co       | 1000   |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 3          | Meet  | paldi  | 9852163472 | 15       | 1009    | meet@gmail.co        | 1526   |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| 5          | Anvi  | paldi  | 9512856352 | 10       | 1001    | anvi@gmail.cor       | 20356  |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Chef Id:   | <input type="text" value="1"/>                    |  |            |          |         |                      |        |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Emp Id:    | <input type="text" value="1001"/>                 |  |            |          |         |                      |        |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Email Id:  | <input type="text" value="stutipatel@gmail.com"/> |  |            |          |         |                      |        |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Address :  | <input type="text" value="Ghatlodiya"/>           |  |            |          |         |                      |        |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Spec:      | <input type="text" value="10"/>                   |  |            |          |         |                      |        |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Phone No:  | <input type="text" value="8521947525"/>           |  |            |          |         |                      |        |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |
| Salary:    | <input type="text" value="48522"/>                |  |            |          |         |                      |        |       |         |        |   |       |            |            |    |      |                      |       |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |                |       |

<<< <<

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

- new connection ×
- employee
- mydumper
- mytracker
- restaurant\_management
- Tables
  - chef
  - cuisine
  - customer
  - delivery
  - drinks
  - employee
  - food
  - order
  - payment
  - Videos
  - Stored Procedures
  - Functions
- sakila

Administration Schemas Information

Table: **cuisine**

Columns:

| cuisinemd   | int PK      |
|-------------|-------------|
| Cuisinename | varchar(20) |

Object Info Session

SQL File 4\* ×

```
1 • select * from restaurant_management.chef
```

Result Grid | Filter Rows: [ ] | Edit: [ ] | Export/Import: [ ] | Wrap Cell Content: [ ]

| Chefid | Chefname | Address    | phoneno    | spec | empid | Emailid              | salary |
|--------|----------|------------|------------|------|-------|----------------------|--------|
| 1      | Stuti    | Ghatlodiya | 8521947525 | 10   | 1001  | stutipatel@gmail.com | 48522  |
| 2      | Kahan    | paldi      | 9328543995 | 12   | 1002  | kahan@gmail.co       | 1000   |
| 3      | Meet     | paldi      | 9852163472 | 15   | 1009  | meet@gmail.co        | 1526   |
| 5      | Anvi     | paldi      | 9512856352 | 10   | 1001  | anvi@gmail.cor       | 20356  |

chef 11 ×

Output

Action Output

| #  | Time     | Action                                      | Message            | Duration / Fetch      |
|----|----------|---|--------------------|-----------------------|
| 9  | 19:40:10 | select * from restaurant_management.cuisine | 10 row(s) returned | 0.000 sec / 0.000 sec |
| 10 | 19:42:40 | select * from restaurant_management.chef    | 4 row(s) returned  | 0.000 sec / 0.000 sec |

Python GUI Application

### RESTAURANT DATABASE SYSTEM

#### CHEF

| <p>Chef Name: Stuti</p> <p>Chef Id: 1</p> <p>Emp Id: 1001</p> <p>Email Id: stutipatel@gmail.com</p> <p>Address : Ghatlodiya</p> <p>Spec: 10</p> <p>Phone No: 8521947525</p> <p>Salary: 48522</p> | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Chefid</th> <th>Chefname</th> <th>Address</th> <th>Phoneno</th> <th>Spec</th> <th>Empid</th> <th>Emailid</th> <th>Salary</th> </tr> </thead> <tbody> <tr> <td>2</td> <td>Kahan</td> <td>paldi</td> <td>9328543995</td> <td>12</td> <td>1002</td> <td>kahan@gmail.co</td> <td>1000</td> </tr> <tr> <td>3</td> <td>Meet</td> <td>paldi</td> <td>9852163472</td> <td>15</td> <td>1009</td> <td>meet@gmail.co</td> <td>1526</td> </tr> <tr> <td>5</td> <td>Anvi</td> <td>paldi</td> <td>9512856352</td> <td>10</td> <td>1001</td> <td>anvi@gmail.co</td> <td>20356</td> </tr> </tbody> </table> | Chefid  | Chefname   | Address | Phoneno | Spec           | Empid  | Emailid | Salary | 2 | Kahan | paldi | 9328543995 | 12 | 1002 | kahan@gmail.co | 1000 | 3 | Meet | paldi | 9852163472 | 15 | 1009 | meet@gmail.co | 1526 | 5 | Anvi | paldi | 9512856352 | 10 | 1001 | anvi@gmail.co | 20356 |
|--|---|---------|------------|---------|---------|----------------|--------|---------|--------|---|-------|-------|------------|----|------|----------------|------|---|------|-------|------------|----|------|---------------|------|---|------|-------|------------|----|------|---------------|-------|
| Chefid   | Chefname  | Address | Phoneno    | Spec    | Empid   | Emailid        | Salary |         |        |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |               |       |
| 2  | Kahan   | paldi   | 9328543995 | 12      | 1002    | kahan@gmail.co | 1000   |         |        |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |               |       |
| 3  | Meet  | paldi   | 9852163472 | 15      | 1009    | meet@gmail.co  | 1526   |         |        |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |               |       |
| 5  | Anvi  | paldi   | 9512856352 | 10      | 1001    | anvi@gmail.co  | 20356  |         |        |   |       |       |            |    |      |                |      |   |      |       |            |    |      |               |      |   |      |       |            |    |      |               |       |

**Add**    **Update**    **Delete**    **Clear**

<<<    <

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- employee
- mydatabse
- restaurant\_management
- Tables
  - chef
  - cuisine
  - customer
  - delivery
  - drinks
  - employee
  - food
  - order
  - payment
  - Views
  - Stored Procedures
  - Functions
- sakila

Information

Table: **cuisine**

Columns:

|                 |             |
|-----------------|-------------|
| <b>cuisined</b> | int PK      |
| Cuisinename     | varchar(20) |

Action Output

| #  | Time     | Action                                   | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 10 | 19:42:40 | select * from restaurant_management.chef | 4 row(s) returned | 0.000 sec / 0.000 sec |
| 11 | 19:43:12 | select * from restaurant_management.chef | 3 row(s) returned | 0.000 sec / 0.000 sec |

Python GUI Application

### RESTAURANT DATABASE SYSTEM

#### CHEF

| <p>Chef Name: Stuti</p> <p>Chef Id: 1</p> <p>Emp Id: 1001</p> <p>Email Id: stutipatel@gmail.com</p> <p>Address : Ghatlodiya</p> <p>Spec: 10</p> <p>Phone No: 8521947525</p> <p>Salary: 48522</p> | <table border="1" style="width: 100%; border-collapse: collapse; text-align: center;"> <thead> <tr> <th>Chefid</th> <th>Chefname</th> <th>Address</th> <th>Phoneno</th> <th>Spec</th> <th>Empid</th> <th>Emailid</th> <th>Salary</th> </tr> </thead> </table> | Chefid  | Chefname | Address | Phoneno | Spec    | Empid  | Emailid | Salary |
|--|---|---------|----------|---------|---------|---------|--------|---------|--------|
| Chefid   | Chefname  | Address | Phoneno  | Spec    | Empid   | Emailid | Salary |         |        |

**Add**    **Update**    **Delete**    **Clear**

<<<    <

# DELIVERY:

Restaurant Management

## Delivery Details

Delivery Date:

Delivery Id:

Delivery Name:

Customer Id:

Employee Id:

Delivery Charge:

Add    Update    Delete    Clear

<<    <

| Delivery Details |               |             |             |                 |               |
|------------------|---------------|-------------|-------------|-----------------|---------------|
| DeliveryId       | Delivery Name | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|                  |               |             |             |                 |               |

Restaurant Management

## Delivery Details

Delivery Date:

Delivery Id:

Delivery Name:

Customer Id:

Employee Id:

Delivery Charge:

Add    Update    Delete    Clear

<<    <

| DeliveryId | Delivery Name    | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|------------|------------------|-------------|-------------|-----------------|---------------|
| 10         | PunjabiContinent | 1           | 1005        | 1000            | 2021-05-04    |
| 11         | Mexican          | 100         | 1008        | 9562            | 2021-03-17    |
| 15         | Chinese          | 100         | 1009        | 8521            | 2021-04-27    |

Error

Delivery Name field is missing

OK

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Tables: delivery

SQL File 4\* | select \* from restaurant\_management.customer;

| Fname   | Iname  | custid | emailid         | city      | street | pincode | gender | phoneno    | allergy |
|---------|--------|--------|-----------------|-----------|--------|---------|--------|------------|---------|
| Karisha | Shah   | 1      | kani@gmail.com  | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |
| Kruti   | Pandya | 100    | kruti@gmail.com | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |

Table: delivery

Columns:

- Delid: int PK
- Delname: varchar(20)
- custid: int
- empid: int
- delcharge: int
- deldate: date

Action Output

| #  | Time     | Action                                       | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 12 | 19:46:39 | select * from restaurant_management.payment  | 0 row(s) returned | 0.000 sec / 0.000 sec |
| 13 | 19:48:55 | select * from restaurant_management.customer | 2 row(s) returned | 0.000 sec / 0.000 sec |

Restaurant Management

## Delivery Details

Delivery Date: 2021/05/12

Delivery Id: 12

Delivery Name: Gujarati

Customer Id: 150

Employee Id: 10

Delivery Charge: 500

Add Update Delete Clear

<< <

Delivery Details

| DeliveryId | Delivery Name    | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|------------|------------------|-------------|-------------|-----------------|---------------|
| 10         | PunjabiContinent | 1           | 1005        | 1000            | 2021-05-04    |
| 11         | Mexican          | 100         | 1008        | 9562            | 2021-03-17    |
| 15         | Chinese          | 100         | 1009        | 8521            | 2021-04-27    |

Error

Customer ID Doesn't Exist

OK

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- employee
- expensetracker
- database
- restaurant\_management

Tables

- chef
- cuisine
- customer
- delivery
- drinks
- employee
- order
- payment

Result Grid

| empid | Fname   | Iname    | emailid               | Address     | phoneno    | gender | salary |
|-------|---------|----------|-----------------------|-------------|------------|--------|--------|
| 1000  | adam    | lavine   | adam@gmail.com        | Bangalore   | 9980594577 | M      | 50000  |
| 1001  | chris   | martin   | chris@gmail.com       | Adugodi     | 9845678901 | M      | 40000  |
| 1002  | deci    | wasabi   | deci.wasabi@gmail.com | gururaj     | 9412345679 | M      | 35000  |
| 1003  | abby    | lee      | abby@gmail.com        | Kengeri     | 9240289899 | F      | 60000  |
| 1004  | briana  | lodge    | briana@gmail.com      | Jayanagar   | 8861360860 | F      | 50000  |
| 1005  | maria   | solano   | maria@gmail.com       | double road | 9483960975 | F      | 40000  |
| 1006  | ava     | anderson | ava@gmail.com         | kh road     | 7486911232 | F      | 60000  |
| 1007  | raksha  | remash   | raksha@gmail.com      | Bangalore   | 9835383461 | F      | 70000  |
| 1008  | Kanisha | Shah     | kanisha@gmail.com     | paldi       | 9512990798 | F      | 230000 |
| 1009  | Kanisha | Shah     | kanisha@gmail.com     | pavangpura  | 9825631402 | F      | 10205  |

Action Output

| #  | Time     | Action                                       | Message            | Duration / Fetch      |
|----|----------|--|--------------------|-----------------------|
| 13 | 19:48:55 | select * from restaurant_management.customer | 2 row(s) returned  | 0.000 sec / 0.000 sec |
| 14 | 19:52:04 | select * from restaurant_management.employee | 10 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

Restaurant Management

## Delivery Details

Delivery Date:

Delivery Id:

Delivery Name:

Customer Id:

Employee Id:

Delivery Charge:

Add Update Delete Clear

<< <

Delivery Details

| DeliveryId | Delivery Name    | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|------------|------------------|-------------|-------------|-----------------|---------------|
| 10         | PunjabiContinent | 1           | 1005        | 1000            | 2021-05-04    |
| 11         | Mexican          | 100         | 1008        | 9562            | 2021-03-17    |
| 15         | Chinese          | 100         | 1009        | 8521            | 2021-04-27    |

Error

Employee ID Doesn't Exist

OK

Restaurant Management

## Delivery Details

Delivery Date:

Delivery Id:

Delivery Name:

Customer Id:

Employee Id:

Delivery Charge:

Add Update Delete Clear

<< <

Delivery Details

| DeliveryId | Delivery Name    | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|------------|------------------|-------------|-------------|-----------------|---------------|
| 10         | PunjabiContinent | 1           | 1005        | 1000            | 2021-05-04    |
| 11         | Mexican          | 100         | 1008        | 9562            | 2021-03-17    |
| 12         | Gujarati         | 100         | 1004        | 500             | 2021-05-12    |
| 15         | Chinese          | 100         | 1009        | 8521            | 2021-04-27    |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

SCHEMAS: employee, expedia-tracker, database, restaurant\_management

Tables: delivery

SQL File 4\* | Result Grid | Filter Rows: | Export/Import: | Wrap Cell Content: |

```
1 • select * from restaurant_management.delivery;
```

| Delid | Delname          | custid | empid | delcharge | deldate    |
|-------|------------------|--------|-------|-----------|------------|
| 10    | PunjabiContinent | 1      | 1005  | 1000      | 2021-05-04 |
| 11    | Mexican          | 100    | 1008  | 9562      | 2021-03-17 |
| 12    | Gujarati         | 100    | 1004  | 500       | 2021-05-12 |
| 15    | Chinese          | 100    | 1009  | 8521      | 2021-04-27 |

Object Info Session

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Delname   | varchar(20) |
| custid    | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

Action Output

| #  | Time     | Action                                       | Message            | Duration / Fetch      |
|----|----------|--|--------------------|-----------------------|
| 14 | 19:52:04 | select * from restaurant_management.employee | 10 row(s) returned | 0.000 sec / 0.000 sec |
| 15 | 19:52:56 | select * from restaurant_management.delivery | 4 row(s) returned  | 0.000 sec / 0.000 sec |

Restaurant Management

### Delivery Details

Delivery Date: 2021/05/12

Delivery Id: 12

Delivery Name: Gujarati

Customer Id: 100

Employee Id: 1007

Delivery Charge: 500

Add Update Delete Clear

<< <

Delivery Details

| DeliveryId | Delivery Name    | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|------------|------------------|-------------|-------------|-----------------|---------------|
| 10         | PunjabiContinent | 1           | 1005        | 1000            | 2021-05-04    |
| 11         | Mexican          | 100         | 1008        | 9562            | 2021-03-17    |
| 12         | Gujarati         | 100         | 1007        | 500             | 2021-05-12    |
| 15         | Chinese          | 100         | 1009        | 8521            | 2021-04-27    |

Restaurant Management

### Delivery Details

Delivery Date: 2021/05/12

Delivery Id: 12

Delivery Name: Gujarati

Customer Id: 100

Employee Id: 1007

Delivery Charge: 500

Add Update Delete Clear

<< <

Delivery Details

| DeliveryId | Delivery Name    | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|------------|------------------|-------------|-------------|-----------------|---------------|
| 10         | PunjabiContinent | 1           | 1005        | 1000            | 2021-05-04    |
| 11         | Mexican          | 100         | 1008        | 9562            | 2021-03-17    |
| 15         | Chinese          | 100         | 1009        | 8521            | 2021-04-27    |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SQL File 4\* SQL Additions: My Snippets

```
1 • select * from restaurant_management.delivery;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

| Delid | Delname            | custid | empid | delcharge | deldate    |
|-------|--------------------|--------|-------|-----------|------------|
| 10    | PunjabiContinental | 1      | 1005  | 1000      | 2021-05-04 |
| 11    | Mexican            | 100    | 1008  | 9562      | 2021-03-17 |
| 15    | Chinese            | 100    | 1009  | 8521      | 2021-04-27 |
| *     | NULL               | NULL   | NULL  | NULL      | NULL       |

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Delname   | varchar(20) |
| custid    | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

Action Output

| #  | Time     | Action                                       | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 15 | 19:52:56 | select * from restaurant_management.delivery | 4 row(s) returned | 0.000 sec / 0.000 sec |
| 16 | 19:55:05 | select * from restaurant_management.delivery | 3 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

Restaurant Management

## Delivery Details

Delivery Date:

Delivery Id:

Delivery Name:

Customer Id:

Employee Id:

Delivery Charge:

Add Update Delete Clear

<< <

Delivery Details

| Deliveryid | Delivery Name | Customer Id | Employee Id | Delivery Charge | Delivery Date |
|------------|---------------|-------------|-------------|-----------------|---------------|
|------------|---------------|-------------|-------------|-----------------|---------------|

# FOOD:

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS

- employee
- expensetracker
- mydatabase
- restaurant\_management
  - Tables
    - chef
    - cuisine
    - customer
    - delivery
    - drinks
    - employee
    - food
    - order
    - payment

SQL File 4\* x

1 • select \* from restaurant\_management.food;

Result Grid

| foodid | foodname | price | quantity | cuisined | chefid |
|--------|----------|-------|----------|----------|--------|
| 61     | Maggi    | 100   | 2        | 11       | 3      |
| 62     | Punjabi  | 100   | 1        | 24       | 3      |
| 63     | Sandwich | 150   | 3        | 10       | 2      |
| 65     | Pizza    | 100   | 1        | 20       | 3      |

Administration Schemas Information

Table: delivery

Columns:

| DelId     | int PK      |
|-----------|-------------|
| DelName   | varchar(20) |
| CustId    | int         |
| EmpId     | int         |
| DelCharge | int         |
| DelDate   | date        |

Object Info Session

food 18 x

Output

Action Output

| #  | Time     | Action                                       | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 16 | 19:55:05 | select * from restaurant_management.delivery | 3 row(s) returned | 0.000 sec / 0.000 sec |
| 17 | 19:56:03 | select * from restaurant_management.food     | 4 row(s) returned | 0.000 sec / 0.000 sec |

SQLAdditions My Snippets

Restaurant Management

## Food Details

Food Id:

Food Name:

Price:

Quantity:

Cusine Id:

Chef Id:

Add  Update  Delete  Clear

<< <

| Foodid | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
|--------|-----------|-------|----------|-----------|---------|

Restaurant Management

## Food Details

|            |                                      |
|------------|--------------------------------------|
| Food Id:   | <input type="text" value="61"/>      |
| Food Name: | <input type="text" value="Lasagne"/> |
| Price:     | <input type="text" value="-95"/>     |
| Quantity:  | <input type="text"/>                 |
| Cusine Id: | <input type="text"/>                 |
| Chef Id:   | <input type="text"/>                 |

**Add**   **Update**   **Delete**   **Clear**

<<   <

**Error**

Price should only contain numbers

OK

Food Details

| Foodid | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
|        |           |       |          |           |         |

Restaurant Management

## Food Details

|            |                                      |
|------------|--------------------------------------|
| Food Id:   | <input type="text" value="61"/>      |
| Food Name: | <input type="text" value="Lasagne"/> |
| Price:     | <input type="text" value="950"/>     |
| Quantity:  | <input type="text" value="2"/>       |
| Cusine Id: | <input type="text" value="9"/>       |
| Chef Id:   | <input type="text" value="1"/>       |

**Add**   **Update**   **Delete**   **Clear**

<<   <

**Error**

Food ID Already Exist

OK

Food Details

| Foodid | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
|        |           |       |          |           |         |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- employee
- expeditracker
- mydatabase
- restaurant\_management
  - Tables
    - chef
    - cuisine
    - customer
    - delivery
    - drink
    - employee
    - food
    - order
    - payment

Administration Schemas

Information

Table: delivery

Columns:

| DelId     | int PK      |
|-----------|-------------|
| DeName    | varchar(20) |
| CmpId     | int         |
| DelCharge | int         |
| DelDate   | date        |

Object Info Session

SQL File 4\* x

```
1 • select * from restaurant_management.chef;
```

Result Grid

| chefid | Chefname | Address | phoneno    | spec | empid | emailid         | salary |
|--------|----------|---------|------------|------|-------|-----------------|--------|
| 2      | Kahan    | paldi   | 9328543995 | 12   | 1002  | kahan@gmail.com | 1000   |
| 3      | Meet     | paldi   | 9852163472 | 15   | 1009  | meet@gmail.com  | 1526   |
| 5      | Anvi     | paldi   | 9512856352 | 10   | 1001  | anvi@gmail.com  | 2036   |
|        |          |         |            |      |       |                 |        |

chef 20 x

Action Output

| #  | Time     | Action                                      | Message            | Duration / Fetch      |
|----|----------|---|--------------------|-----------------------|
| 18 | 20:09:14 | select * from restaurant_management.cuisine | 10 row(s) returned | 0.000 sec / 0.000 sec |
| 19 | 20:09:31 | select * from restaurant_management.chef    | 3 row(s) returned  | 0.000 sec / 0.000 sec |

Output Context Help Snippets

Restaurant Management

## Food Details

Food Id:

Food Name:

Price:

Quantity:

Cusine Id:

Chef Id:

Add Update Delete Clear

<< <

Error

Chef ID Doesn't Exist

OK

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- employee
- expeditracker
- mydatabase
- restaurant\_management
  - Tables
    - chef
    - cuisine
    - customer
    - delivery
    - drink
    - employee
    - food
    - order
    - payment

Administration Schemas

Information

Table: delivery

Columns:

| DelId     | int PK      |
|-----------|-------------|
| DeName    | varchar(20) |
| CmpId     | int         |
| DelCharge | int         |
| DelDate   | date        |

Object Info Session

SQL File 4\* x

```
1 • select * from restaurant_management.cuisine;
```

Result Grid

| cuisined | CuisineName  |
|----------|--------------|
| 10       | chinese      |
| 11       | north indian |
| 12       | south indian |
| 13       | continental  |
| 14       | american     |
| 15       | desert       |
| 16       | thai         |
| 17       | italian      |
| 20       | VegFood      |
| 24       | Gujarati     |
|          |              |

cuisine 21 x

Action Output

| #  | Time     | Action                                      | Message            | Duration / Fetch      |
|----|----------|---|--------------------|-----------------------|
| 19 | 20:09:31 | select * from restaurant_management.chef    | 3 row(s) returned  | 0.000 sec / 0.000 sec |
| 20 | 20:12:53 | select * from restaurant_management.cuisine | 10 row(s) returned | 0.000 sec / 0.000 sec |

Output Context Help Snippets

The screenshot shows a Windows application window titled "Restaurant Management". The main title bar has a logo and the text "Restaurant Management". The main content area is titled "Food Details". It contains five input fields with labels: "Food Id:" (containing "66"), "Food Name:" (containing "Lasagne"), "Price:" (containing "950"), "Quantity:" (containing "2"), and "Cusine Id:" (containing "9"). Below these fields are four red buttons labeled "Add", "Update", "Delete", and "Clear". At the bottom are two blue navigation buttons labeled "<<" and "<". To the right of the main content is a "Food Details" table with columns: Foodid, Food Name, Price, Quantity, Cusine Id, and Chef Id. A modal dialog box titled "Error" with a red X icon is displayed, containing the message "Cuisine ID Doesn't Exist" and an "OK" button.

## Food Details

Food Id:

Food Name:

Price:

Quantity:

Cusine Id:

Chef Id:

Add Update Delete Clear

<< <

Food Details

| FoodId | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
| 61     | Maggiee   | 100   | 2        | 11        | 3       |
| 62     | Punjabi   | 100   | 1        | 24        | 3       |
| 63     | Sandwich  | 150   | 3        | 10        | 2       |
| 65     | Pizza     | 100   | 1        | 20        | 3       |
| 66     | Lasagne   | 950   | 2        | 10        | 2       |

The screenshot shows the MySQL Workbench interface. The left sidebar displays the 'Schemas' tree, which includes the 'expensetracker' schema and its tables: chef, delivery, food, and fooditem. The 'food' table is selected in the SQL Editor tab, containing the following data:

| foodid | foodname | price | quantity | cuisineid | chefid |
|--------|----------|-------|----------|-----------|--------|
| 61     | Maggie   | 100   | 2        | 11        | 3      |
| 62     | Punjabi  | 100   | 1        | 24        | 3      |
| 63     | Sandwich | 150   | 3        | 10        | 2      |
| 65     | Pizza    | 100   | 1        | 20        | 3      |
| 66     | Lasagne  | 950   | 2        | 10        | 2      |
| NULL   | NULL     | NULL  | NULL     | NULL      | NULL   |

The Results pane below shows the output of the query 'select \* from restaurant\_management.food'.

**Food Details**

| Foodid | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
| 61     | Maggiee   | 100   | 2        | 11        | 3       |
| 62     | Punjabi   | 100   | 1        | 24        | 3       |
| 63     | Sandwich  | 150   | 3        | 10        | 2       |
| 65     | Pizza     | 100   | 1        | 20        | 3       |
| 66     | Lasagne   | 950   | 2        | 10        | 2       |

Food Id:  Food Name:  Price:  Quantity:  Cusine Id:  Chef Id:

Add Update Delete Clear

<< <

**Error**  
Food Name can't contain Numbers or special characters

**Food Details**

| Foodid | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
| 61     | Maggiee   | 100   | 2        | 11        | 3       |
| 62     | Punjabi   | 100   | 1        | 24        | 3       |
| 63     | Sandwich  | 150   | 3        | 10        | 2       |
| 65     | Pizza     | 100   | 1        | 20        | 3       |
| 66     | Lasagne   | 1000  | 2        | 10        | 2       |

Food Id:  Food Name:  Price:  Quantity:  Cusine Id:  Chef Id:

Add Update Delete Clear

<< <

**MySQL Workbench**

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: employee, expensetracker, mysql, restaurant\_management

Tables: chef, cuisine, customer, delivery, drink, employee, food, order, payment

SQL File 4\* | select \* from restaurant\_management.food

Result Grid: foodid, foodname, price, quantity, cusineid, chefid

| foodid | foodname | price | quantity | cusineid | chefid |
|--------|----------|-------|----------|----------|--------|
| 61     | Maggiee  | 100   | 2        | 11       | 3      |
| 62     | Punjabi  | 100   | 1        | 24       | 3      |
| 63     | Sandwich | 150   | 3        | 10       | 2      |
| 65     | Pizza    | 100   | 1        | 20       | 3      |
| 66     | Lasagne  | 1000  | 2        | 10       | 2      |

Table: delivery

Columns: Delid int PK, Delname varchar(20), Deladdr int, Empid int, Delcharge int, Deldate date

Object Info Session

Action Output: # Time Action Message Duration / Fetch

- 22 20:14:46 select \* from restaurant\_management.food 5 row(s) returned 0.000 sec / 0.000 sec
- 23 20:16:03 select \* from restaurant\_management.food 5 row(s) returned 0.000 sec / 0.000 sec

Restaurant Management

## Food Details

|            |                                      |
|------------|--------------------------------------|
| Food Id:   | <input type="text" value="66"/>      |
| Food Name: | <input type="text" value="Lasagne"/> |
| Price:     | <input type="text" value="1000"/>    |
| Quantity:  | <input type="text" value="2"/>       |
| Cusine Id: | <input type="text" value="10"/>      |
| Chef Id:   | <input type="text" value="2"/>       |

Add    Update    Delete    Clear

<<    <

| Foodid | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
| 61     | Maggiee   | 100   | 2        | 11        | 3       |
| 62     | Punjabi   | 100   | 1        | 24        | 3       |
| 63     | Sandwich  | 150   | 3        | 10        | 2       |
| 65     | Pizza     | 100   | 1        | 20        | 3       |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: Filter objects

- employee
- mydb
- mytracker
- mydatabase
- restaurant\_management
  - Tables
    - chef
    - cuisine
    - customer
    - delivery
    - drinks
    - employee
    - food
    - order
    - payment

SQL File 4\* x

```
1 • select * from restaurant_management.food;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Contents: |

| foodid | foodname | price | quantity | cusineid | chefid |
|--------|----------|-------|----------|----------|--------|
| 61     | Maggiee  | 100   | 2        | 11       | 3      |
| 62     | Punjabi  | 100   | 1        | 24       | 3      |
| 63     | Sandwich | 150   | 3        | 10       | 2      |
| 65     | Pizza    | 100   | 1        | 20       | 3      |

Table: delivery

Columns:

| Delid | Delname | cuspid | capuid | delcharge | deldate |
|-------|---------|--------|--------|-----------|---------|
|       |         |        |        |           |         |

Action Output

| #  | Time     | Action                                   | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 23 | 20:16:03 | select * from restaurant_management.food | 5 row(s) returned | 0.000 sec / 0.000 sec |
| 24 | 20:16:59 | select * from restaurant_management.food | 4 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

Restaurant Management

## Food Details

|            |                                      |
|------------|--------------------------------------|
| Food Id:   | <input type="text" value="66"/>      |
| Food Name: | <input type="text" value="Lasagne"/> |
| Price:     | <input type="text" value="1000"/>    |
| Quantity:  | <input type="text" value="2"/>       |
| Cusine Id: | <input type="text" value="10"/>      |
| Chef Id:   | <input type="text" value="2"/>       |

Add    Update    Delete    Clear

<<    <

| Foodid | Food Name | Price | Quantity | Cusine Id | Chef Id |
|--------|-----------|-------|----------|-----------|---------|
|        |           |       |          |           |         |

# DRINK:

Restaurant Management

## Drinks Details

Drink Id:

Drink Name:

Price:

Size:   
Small  
Medium  
Large

<< <

| Drinkid | Drink Name | Price | Size |
|---------|------------|-------|------|
|         |            |       |      |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Schemas: new connection

Result Grid: select \* from restaurant\_management.drinks;

| drinkid | Drink Name      | price | Size   |
|---------|-----------------|-------|--------|
| 1       | Coffee          | 100   | Medium |
| 2       | Mojito          | 250   | Large  |
| 3       | Chocolate Shake | 200   | Large  |
| 4       | Lemonade        | 150   | Small  |
| 5       | Juice           | 100   | Medium |
| 6       | Orange Juice    | 120   | Large  |
| 10      | Water           | 100   | Medium |
| 12      | Hot Chocolate   | 120   | Large  |
| 13      | Coco            | 100   | Medium |
| 14      | Cold Coco       | 100   | Large  |
| 15      | Mocca           | 120   | Medium |
| 16      | Foccal          | 100   | Large  |
| 17      | Coffee Mocha    | 120   | Medium |
| 18      | Coffee Mocha    | 150   | Large  |
| 19      | Cold Drink      | 120   | Large  |
| MUL     | MUL             | MUL   | MUL    |

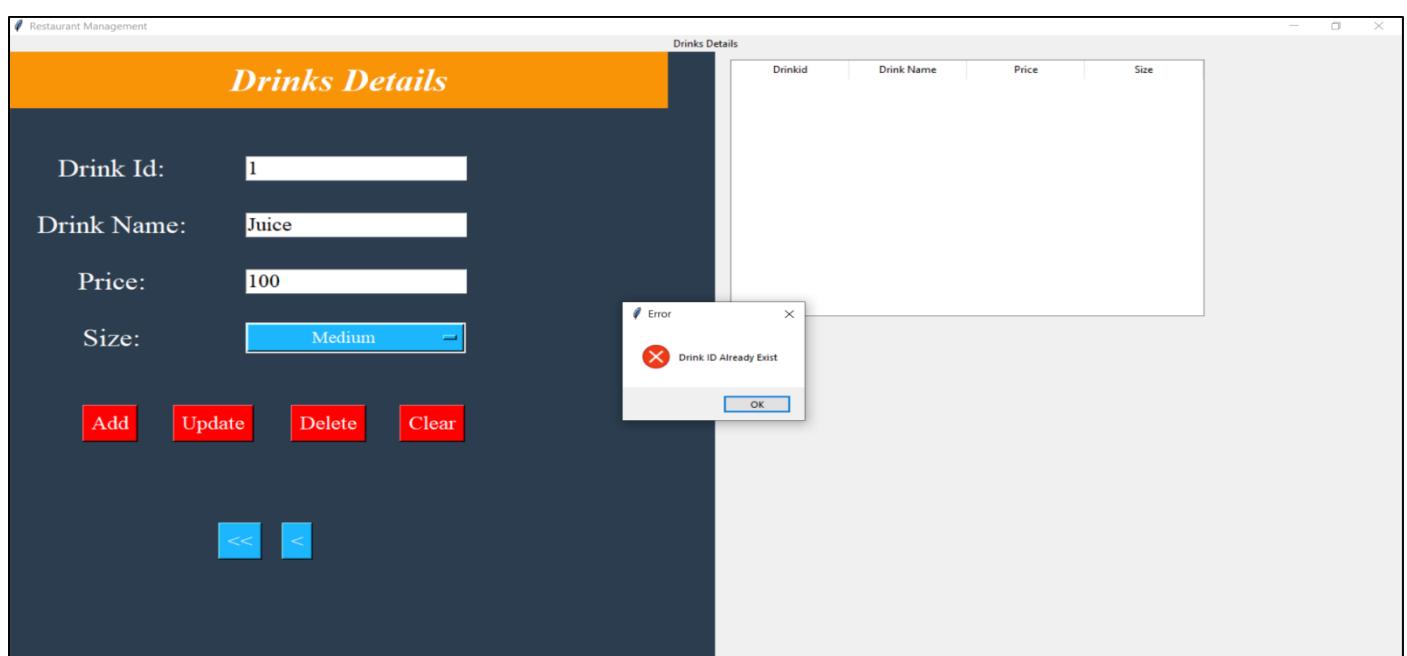
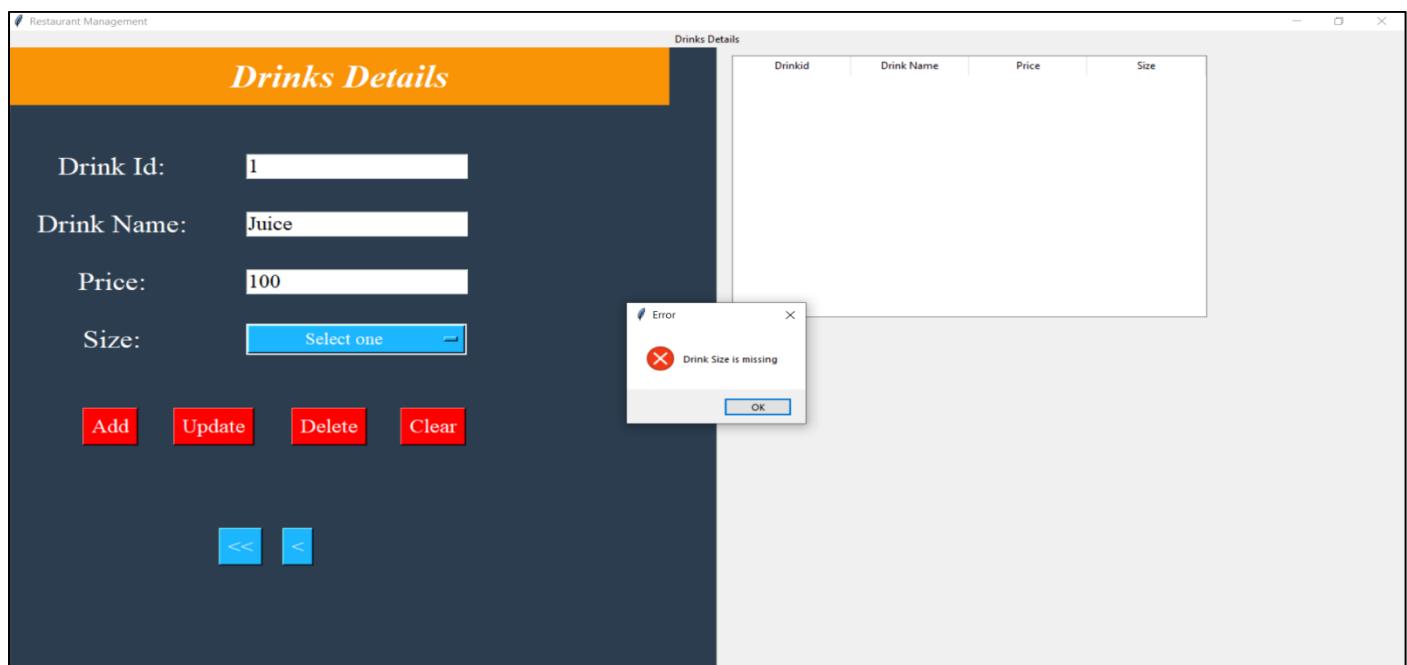
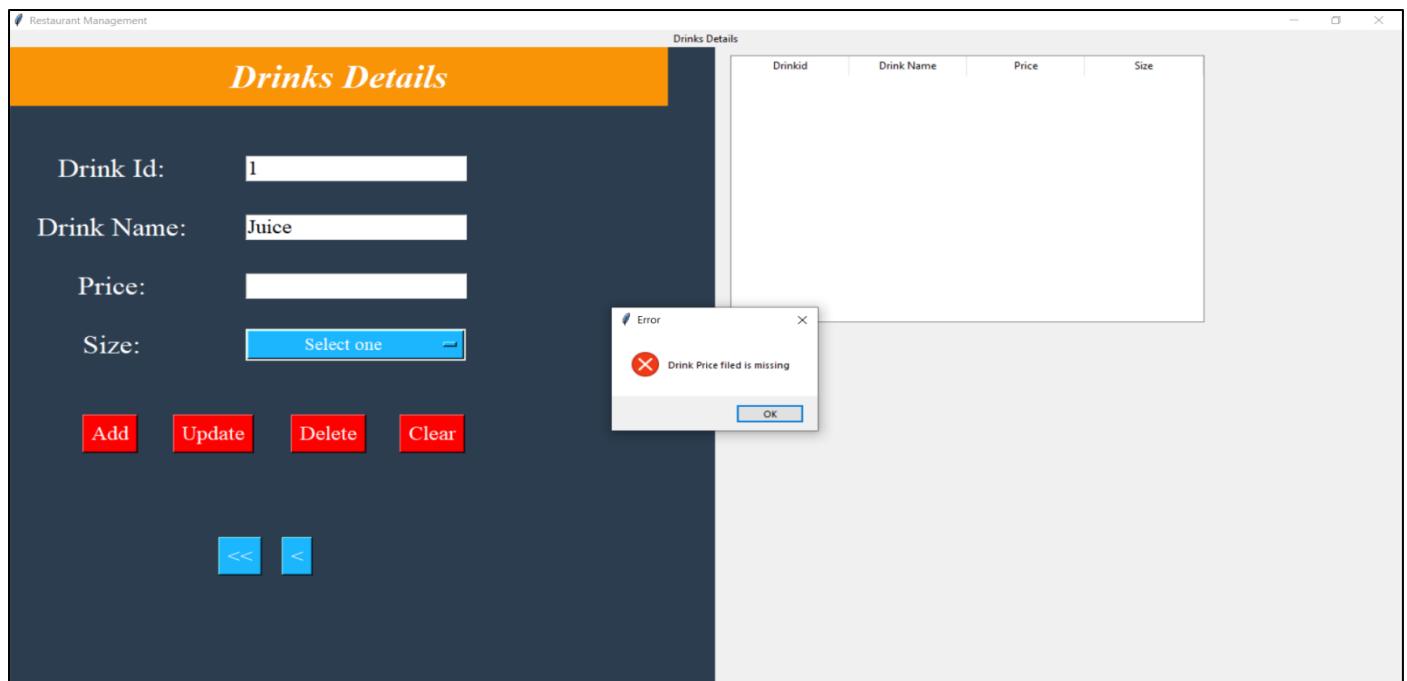
Table: delivery

Columns:

| drinkid   | int PK      |
|-----------|-------------|
| Dename    | varchar(20) |
| custid    | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

Action Output:

| #  | Time     | Action                                     | Message            | Duration / Fetch      |
|----|----------|--|--------------------|-----------------------|
| 24 | 20:16:59 | select * from restaurant_management.food   | 4 row(s) returned  | 0.000 sec / 0.000 sec |
| 25 | 20:20:59 | select * from restaurant_management.drinks | 15 row(s) returned | 0.031 sec / 0.000 sec |



Restaurant Management

## Drinks Details

|             |                                     |
|-------------|-------------------------------------|
| Drink Id:   | <input type="text" value="20"/>     |
| Drink Name: | <input type="text" value="Juice"/>  |
| Price:      | <input type="text" value="100"/>    |
| Size:       | <input type="text" value="Medium"/> |

<< <

Drinks Details

| Drinkid | Drink Name      | Price | Size   |
|---------|-----------------|-------|--------|
| 2       | Mojito          | 250   | Large  |
| 3       | Chocolate Shake | 200   | Large  |
| 4       | Lemonade        | 150   | Small  |
| 5       | Juice           | 100   | Medium |
| 6       | Orange Juice    | 120   | Large  |
| 10      | Water           | 100   | Medium |
| 12      | Hot Chocolate   | 120   | Large  |
| 13      | Coco            | 100   | Medium |
| 14      | Cold Coco       | 100   | Large  |
| 15      | Mocca           | 120   | Medium |
| 16      | Focai           | 100   | Large  |
| 17      | Coffee Mocha    | 120   | Medium |
| 18      | Coffee Mocha    | 150   | Large  |
| 19      | Cold Drink      | 120   | Large  |
| 20      | Juice           | 100   | Medium |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: new connection

SCHEMAS: employee, expensetracker, mysql, restaurant\_management

Tables: chef, delivery, customer, food, order, payment, restaurant\_management (drinks, employee, food, order, payment)

SQL File 4\*:

```
1 • select * from restaurant_management.drinks;
```

Result Grid: drinid, Dname, price, Size

| drinid | Dname           | price | Size   |
|--------|-----------------|-------|--------|
| 1      | Coffee          | 100   | Medium |
| 2      | Mojito          | 250   | Large  |
| 3      | Chocolate Shake | 200   | Large  |
| 4      | Lemonade        | 150   | Small  |
| 5      | Juice           | 100   | Medium |
| 6      | Orange Juice    | 120   | Large  |
| 10     | Water           | 100   | Medium |
| 12     | Hot Chocolate   | 120   | Large  |
| 13     | Coco            | 100   | Medium |
| 14     | Cold Coco       | 100   | Large  |
| 15     | Mocca           | 120   | Medium |
| 16     | Focai           | 100   | Large  |
| 17     | Coffee Mocha    | 120   | Medium |
| 18     | Coffee Mocha    | 150   | Large  |
| 19     | Cold Drink      | 120   | Large  |
| 20     | Juice           | 100   | Medium |

drinks 27\*:

Action Output:

| #  | Time     | Action                                     | Message            | Duration / Fetch      |
|----|----------|--|--------------------|-----------------------|
| 25 | 20:20:59 | select * from restaurant_management.drinks | 15 row(s) returned | 0.031 sec / 0.000 sec |
| 26 | 20:23:31 | select * from restaurant_management.drinks | 16 row(s) returned | 0.000 sec / 0.000 sec |

Restaurant Management

## Drinks Details

|             |                                       |
|-------------|---------------------------------------|
| Drink Id:   | <input type="text" value="20"/>       |
| Drink Name: | <input type="text" value="MocaCoco"/> |
| Price:      | <input type="text" value="100"/>      |
| Size:       | <input type="text" value="Medium"/>   |

<< <

Drinks Details

| Drinkid | Drink Name      | Price | Size   |
|---------|-----------------|-------|--------|
| 2       | Mojito          | 250   | Large  |
| 3       | Chocolate Shake | 200   | Large  |
| 4       | Lemonade        | 150   | Small  |
| 5       | Juice           | 100   | Medium |
| 6       | Orange Juice    | 120   | Large  |
| 10      | Water           | 100   | Medium |
| 12      | Hot Chocolate   | 120   | Large  |
| 13      | Coco            | 100   | Medium |
| 14      | Cold Coco       | 100   | Large  |
| 15      | Mocca           | 120   | Medium |
| 16      | Focai           | 100   | Large  |
| 17      | Coffee Mocha    | 120   | Medium |
| 18      | Coffee Mocha    | 150   | Large  |
| 19      | Cold Drink      | 120   | Large  |
| 20      | MocaCoco        | 100   | Medium |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Tables: delivery, drinks, employee, food, order, payment

SQL File 4\*:

```
1 • select * from restaurant_management.drinks;
```

Result Grid:

| drinkid | Dname           | price | Size   |
|---------|-----------------|-------|--------|
| 1       | Coffee          | 100   | Medium |
| 2       | Mojito          | 250   | Large  |
| 3       | Chocolate Shake | 200   | Large  |
| 4       | Lemonade        | 150   | Small  |
| 5       | Juice           | 100   | Medium |
| 6       | Orange Juice    | 120   | Large  |
| 10      | Water           | 100   | Medium |
| 12      | Hot Chocolate   | 120   | Large  |
| 13      | Coco            | 100   | Medium |
| 14      | Cold Coco       | 100   | Large  |
| 15      | Mocca           | 120   | Medium |
| 16      | Focai           | 100   | Large  |
| 17      | Coffee Mocha    | 120   | Medium |
| 18      | Coffee Mocha    | 150   | Large  |
| 19      | Cold Drink      | 120   | Large  |
| 20      | Mocacoco        | 100   | Medium |

Information:

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Delname   | varchar(20) |
| cuspid    | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

Action Output:

- Time: 26 20:23:31 Action: select \* from restaurant\_management.drinks Message: 16 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec
- Time: 27 20:24:08 Action: select \* from restaurant\_management.drinks Message: 16 row(s) returned Duration / Fetch: 0.016 sec / 0.000 sec

Restaurant Management

## Drinks Details

Drink Id:

Drink Name:

Price:

Size:

Add Update Delete Clear

<< <

| Drinkid | Drink Name      | Price | Size   |
|---------|-----------------|-------|--------|
| 1       | Coffee          | 100   | Medium |
| 2       | Mojito          | 250   | Large  |
| 3       | Chocolate Shake | 200   | Large  |
| 4       | Lemonade        | 150   | Small  |
| 5       | Juice           | 100   | Medium |
| 6       | Orange Juice    | 120   | Large  |
| 10      | Water           | 100   | Medium |
| 12      | Hot Chocolate   | 120   | Large  |
| 13      | Coco            | 100   | Medium |
| 14      | Cold Coco       | 100   | Large  |
| 15      | Mocca           | 120   | Medium |
| 16      | Focai           | 100   | Large  |
| 17      | Coffee Mocha    | 120   | Medium |
| 18      | Coffee Mocha    | 150   | Large  |
| 19      | Cold Drink      | 120   | Large  |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Tables: delivery, drinks, employee, food, order, payment

SQL File 4\*:

```
1 • select * from restaurant_management.drinks;
```

Result Grid:

| drinkid | Dname           | price | Size   |
|---------|-----------------|-------|--------|
| 1       | Coffee          | 100   | Medium |
| 2       | Mojito          | 250   | Large  |
| 3       | Chocolate Shake | 200   | Large  |
| 4       | Lemonade        | 150   | Small  |
| 5       | Juice           | 100   | Medium |
| 6       | Orange Juice    | 120   | Large  |
| 10      | Water           | 100   | Medium |
| 12      | Hot Chocolate   | 120   | Large  |
| 13      | Coco            | 100   | Medium |
| 14      | Cold Coco       | 100   | Large  |
| 15      | Mocca           | 120   | Medium |
| 16      | Focai           | 100   | Large  |
| 17      | Coffee Mocha    | 120   | Medium |
| 18      | Coffee Mocha    | 150   | Large  |
| 19      | Cold Drink      | 120   | Large  |

Information:

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Delname   | varchar(20) |
| cuspid    | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

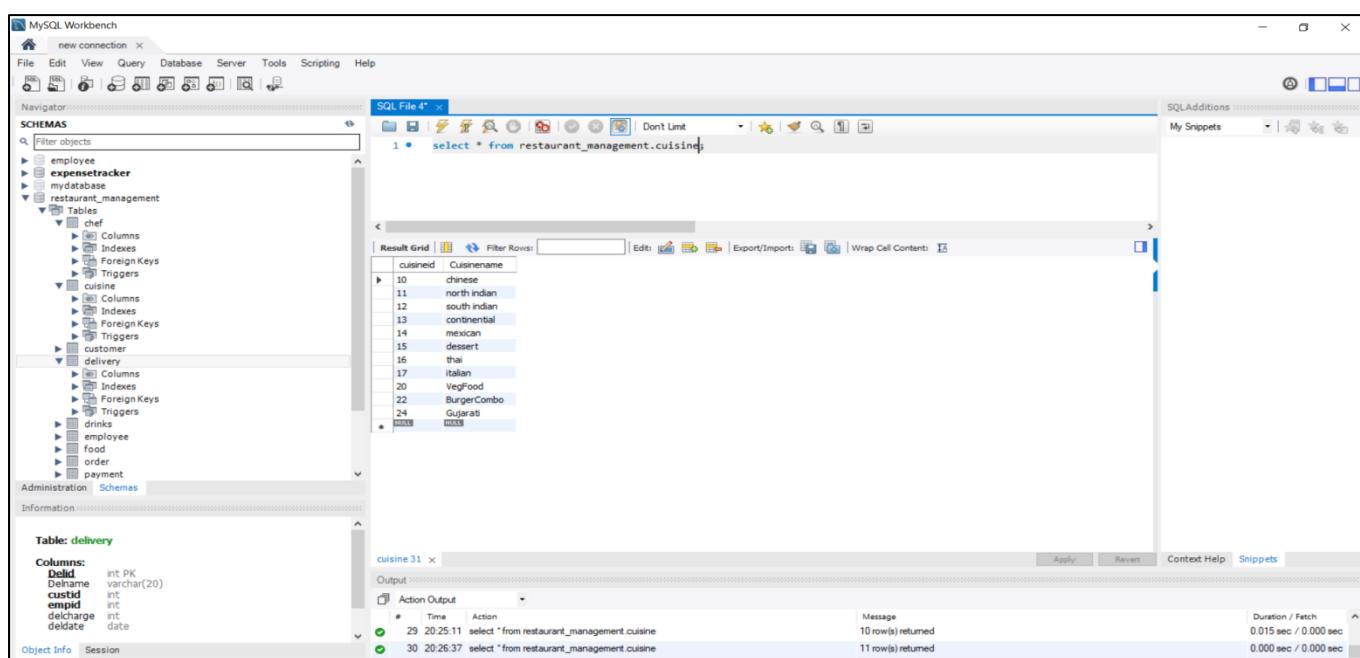
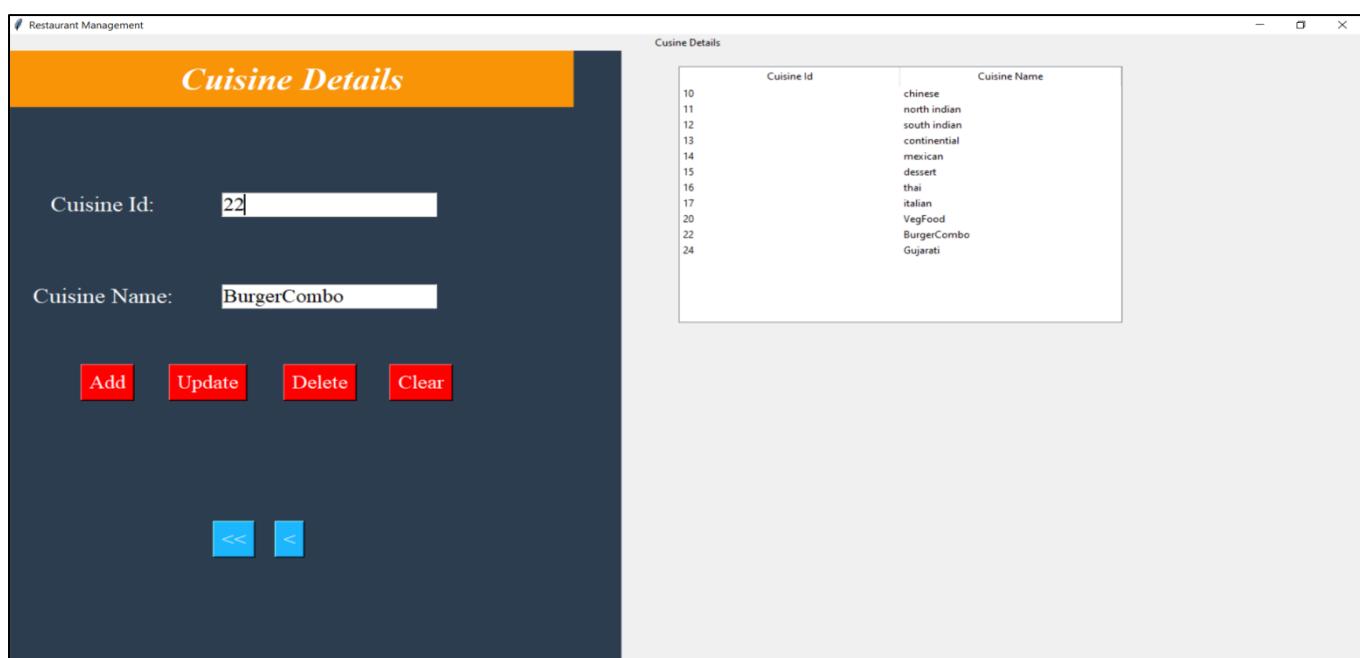
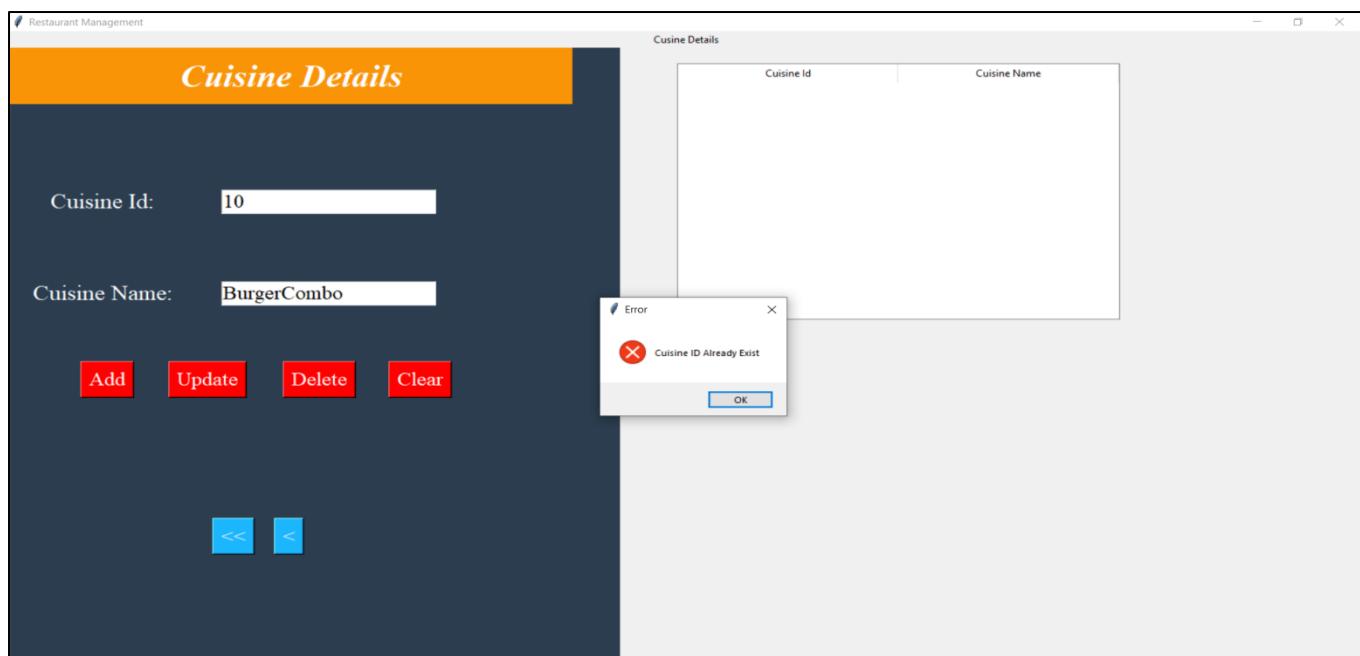
Action Output:

- Time: 27 20:24:08 Action: select \* from restaurant\_management.drinks Message: 16 row(s) returned Duration / Fetch: 0.016 sec / 0.000 sec
- Time: 28 20:24:36 Action: select \* from restaurant\_management.drinks Message: 15 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec

# CUISINE:

The screenshot shows the MySQL Workbench interface. In the left sidebar, under the 'SCHEMAS' section, the 'restaurant\_management' schema is selected. Within this schema, the 'Tables' section lists several tables: chef, cuisine, delivery, drinks, employee, food, order, and payment. The 'cuisine' table is currently selected. The main pane displays a 'Result Grid' for the query `select * from restaurant_management.cuisine`. The results show 24 rows of cuisine names, ranging from 'chinese' to 'mexican', 'dessert', 'thai', 'italian', 'VegFood', and 'Gujarati'. Below the grid, the 'Object Info' and 'Session' panes are visible.

The screenshot shows a web-based application titled 'Restaurant Management'. The main page has a dark blue header with the title 'Cuisine Details'. Below the header, there are two input fields: 'Cuisine Id:' with a text input field containing a placeholder value, and 'Cuisine Name:' with a text input field also containing a placeholder value. Below these fields are four red buttons labeled 'Add', 'Update', 'Delete', and 'Clear'. At the bottom of the page are two blue navigation arrows: '<<' and '<'. To the right of the input fields is a table titled 'Cuisine Details' with two columns: 'Cuisine Id' and 'Cuisine Name'. The table currently contains no data.



Restaurant Management

## Cuisine Details

|   |  |
|---|--|
| Cuisine Id:   | <input type="text" value="10"/>        |
| Cuisine Name:   | <input type="text" value="LusseFood"/> |
| <input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/> |  |
| <span style="border: 1px solid blue; padding: 2px;">&lt;&lt;</span> <span style="border: 1px solid blue; padding: 2px;">&lt;</span>                 |  |

Cusine Details

| Cuisine Id | Cuisine Name |
|------------|--------------|
| 10         | LusseFood    |
| 11         | north indian |
| 12         | south indian |
| 13         | continental  |
| 14         | mexican      |
| 15         | dessert      |
| 16         | thai         |
| 17         | italian      |
| 20         | VegFood      |
| 22         | BurgerCombo  |
| 24         | Gujarati     |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- employee
- expenses-tracker
- mydatabase
- restaurant\_management
  - Tables
    - chef
    - cuisine
    - customer
    - delivery
    - drinks
    - employee
    - food
    - order
    - payment
  - Triggers

SQL File 4\*

```
1 • select * from restaurant_management.cuisine;
```

Result Grid

| cuisineid | Cuisinename  |
|-----------|--------------|
| 10        | LusseFood    |
| 11        | north indian |
| 12        | south indian |
| 13        | continental  |
| 14        | mexican      |
| 15        | dessert      |
| 16        | thai         |
| 17        | italian      |
| 20        | VegFood      |
| 22        | BurgerCombo  |
| 24        | Gujarati     |

SQLAdditions

My Snippets

Object Info Session

Restaurant Management

## Cuisine Details

|   |  |
|---|--|
| Cuisine Id:   | <input type="text" value="10"/>        |
| Cuisine Name:   | <input type="text" value="LusseFood"/> |
| <input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/> |  |
| <span style="border: 1px solid blue; padding: 2px;">&lt;&lt;</span> <span style="border: 1px solid blue; padding: 2px;">&lt;</span>                 |  |

Cusine Details

| Cuisine Id | Cuisine Name |
|------------|--------------|
| 11         | north indian |
| 12         | south indian |
| 13         | continental  |
| 14         | mexican      |
| 15         | dessert      |
| 16         | thai         |
| 17         | italian      |
| 20         | VegFood      |
| 22         | BurgerCombo  |
| 24         | Gujarati     |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- employee
- expensetracker
- mydatabase
- restaurant\_management
- Tables
  - chef
  - cuisine
  - customer
  - delivery
  - drink
  - employee
  - food
  - order
  - payment

Information: Administration Schemas

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| DeName    | varchar(20) |
| Custid    | int         |
| Empid     | int         |
| Delcharge | int         |
| Deldate   | date        |

Object Info Session

SQL File 4\*

```
1 • select * from restaurant_management.cuisine;
```

Result Grid

| cuisinid | CuisineName  |
|----------|--------------|
| 11       | north indian |
| 12       | south indian |
| 13       | continental  |
| 14       | mexican      |
| 15       | dessert      |
| 16       | thai         |
| 17       | italian      |
| 20       | VegFood      |
| 22       | BurgerCombo  |
| 24       | Gujarati     |
| 25       | Chinese      |

Table: cuisine 33

Output

| #  | Time     | Action                                      | Message            | Duration / Fetch      |
|----|----------|---|--------------------|-----------------------|
| 31 | 20:27:32 | select * from restaurant_management.cuisine | 11 row(s) returned | 0.000 sec / 0.000 sec |
| 32 | 20:28:00 | select * from restaurant_management.cuisine | 10 row(s) returned | 0.000 sec / 0.000 sec |

SQLAdditions My Snippets

# ORDER:

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- employee
- expensetracker
- mydatabase
- restaurant\_management
- Tables
  - chef
  - cuisine
  - customer
  - delivery
  - drink
  - employee
  - food
  - order
  - payment

Information: Administration Schemas

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| DeName    | varchar(20) |
| Custid    | int         |
| Empid     | int         |
| Delcharge | int         |
| Deldate   | date        |

Object Info Session

SQL File 4\*

```
1 • select * from restaurant_management.order;
```

Result Grid

| ordid | totalcost | foodid | drinkid | Delid |
|-------|-----------|--------|---------|-------|
| 100   | 1000      | 61     | 1       | 10    |
| 101   | 500       | 65     | 5       | 11    |
| 102   | 600       | 63     | 6       | 10    |
| 103   | 1500      | 65     | 6       | 15    |
| 104   | 1000      | 65     | 6       | 15    |

Table: order 41

Output

| #  | Time     | Action                                       | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 39 | 20:38:05 | select * from restaurant_management.delivery | 3 row(s) returned | 0.000 sec / 0.000 sec |
| 40 | 20:43:07 | select * from restaurant_management.order    | 4 row(s) returned | 0.000 sec / 0.000 sec |

SQLAdditions My Snippets

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS: employee, expensetracker, mydatabase, restaurant\_management

Tables: chef, cuisine, delivery, customer, food, order, payment

SQL File 4\*: select \* from restaurant\_management.food;

Result Grid:

| foodid | foodname | price | quantity | cuisin eid | chefid |
|--------|----------|-------|----------|------------|--------|
| 61     | Maggiee  | 100   | 2        | 11         | 3      |
| 62     | Punjabi  | 100   | 1        | 24         | 3      |
| 63     | Burger   | 120   | 1        | 11         | 2      |
| 64     | Sandwich | 200   | 2        | 12         | 3      |
| 65     | Pizza    | 100   | 1        | 20         | 3      |
| NULL   | NULL     | NULL  | NULL     | NULL       | NULL   |

Table: delivery

Columns:

| DelId     | int PK      |
|-----------|-------------|
| DeName    | varchar(20) |
| CustId    | int         |
| EmpId     | int         |
| DelCharge | int         |
| DelDate   | date        |

Action Output:

| #  | Time     | Action                                    | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 40 | 20:43:07 | select * from restaurant_management.order | 4 row(s) returned | 0.000 sec / 0.000 sec |
| 41 | 20:44:18 | select * from restaurant_management.food  | 5 row(s) returned | 0.000 sec / 0.000 sec |

Python GUI Application

### Order details

Order Id:

Total Cost:

Food Id:

Drink Id:

Delivery Id:

Add Update Delete Clear

<< <

Error

Food ID Doesn't Exist

OK

| Order Id | Total Cost | Food Id | Drink Id | Delivery Id |
|----------|------------|---------|----------|-------------|
|----------|------------|---------|----------|-------------|

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

SCHEMAS: employee, expensetracker, mydatabase, restaurant\_management

Tables: chef, delivery, cuisine, customer, drinks, food, order, payment

SQL File 4\*:

```
1 • select * from restaurant_management.delivery;
```

Result Grid:

| Delid | Delname            | custid | empid | delcharge | deldate    |
|-------|--------------------|--------|-------|-----------|------------|
| 10    | PunjabiContinental | 1      | 1005  | 1000      | 2021-05-04 |
| 11    | Mexican            | 100    | 1008  | 9562      | 2021-03-17 |
| 15    | Chinese            | 100    | 1009  | 8521      | 2021-04-27 |
| *     |                    |        |       |           |            |

Administration Schemas Information

Table: delivery

Columns:

- Delid** int PK
- Delname varchar(20)
- custid int
- empid int
- delcharge int
- deldate date

Action Output:

| #  | Time     | Action                                       | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 41 | 20:44:18 | select * from restaurant_management.food     | 5 row(s) returned | 0.000 sec / 0.000 sec |
| 42 | 20:44:56 | select * from restaurant_management.delivery | 3 row(s) returned | 0.016 sec / 0.000 sec |

Object Info Session

Python GUI Application

### Order details

Order Id: 104

Total Cost: 820

Food Id: 62

Drink Id: 2

Delivery Id: 2

Add Update Delete Clear

<< <

Separating widget

| Order Id | Total Cost | Food Id | Drink Id | Delivery Id |
|----------|------------|---------|----------|-------------|
|----------|------------|---------|----------|-------------|

Error

Delivery ID Doesn't Exist

OK

Python GUI Application

### Order details

|              |                                  |
|--------------|----------------------------------|
| Order Id:    | <input type="text" value="104"/> |
| Total Cost:  | <input type="text" value="820"/> |
| Food Id:     | <input type="text" value="62"/>  |
| Drink Id:    | <input type="text" value="2"/>   |
| Delivery Id: | <input type="text" value="15"/>  |

<<
<

Separating widget

| Order Id | Total Cost | Food Id | Drink Id | Delivery Id |
|----------|------------|---------|----------|-------------|
| 100      | 1000       | 61      | 1        | 10          |
| 101      | 500        | 65      | 5        | 11          |
| 102      | 600        | 63      | 6        | 10          |
| 103      | 1500       | 65      | 6        | 15          |
| 104      | 820        | 62      | 2        | 15          |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

- employee
- expenses\_tracker
- information
- restaurant\_management
- Tables
- chef
- cuisine
- customer
- delivery
- drinks
- employee
- food
- order
- payment

SQL File 4\*

```
1 • select * from restaurant_management.order
```

Result Grid

| ordid | totalcost | foodid | drinkid | Delid |
|-------|-----------|--------|---------|-------|
| 100   | 1000      | 61     | 1       | 10    |
| 101   | 500       | 65     | 5       | 11    |
| 102   | 600       | 63     | 6       | 10    |
| 103   | 1500      | 65     | 6       | 15    |
| 104   | 820       | 62     | 2       | 15    |

SQL Additions

My Snippets

Information

Table: delivery

Columns:

| Delid  | Delname     | custid | ordid | delcharge | deldate |
|--------|-------------|--------|-------|-----------|---------|
| int PK | varchar(20) | int    | int   | date      |         |

Action Output

| #  | Time     | Action                                       | Message           | Duration / Fetch      |
|----|----------|--|-------------------|-----------------------|
| 42 | 20:44:56 | select * from restaurant_management.delivery | 3 row(s) returned | 0.016 sec / 0.000 sec |
| 43 | 20:45:42 | select * from restaurant_management.order    | 5 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

Python GUI Application

### Order details

|              |                                   |
|--------------|-----------------------------------|
| Order Id:    | <input type="text" value="104"/>  |
| Total Cost:  | <input type="text" value="6320"/> |
| Food Id:     | <input type="text" value="62"/>   |
| Drink Id:    | <input type="text" value="2"/>    |
| Delivery Id: | <input type="text" value="15"/>   |

<<
<

Separating widget

| Order Id | Total Cost | Food Id | Drink Id | Delivery Id |
|----------|------------|---------|----------|-------------|
| 100      | 1000       | 61      | 1        | 10          |
| 101      | 500        | 65      | 5        | 11          |
| 102      | 600        | 63      | 6        | 10          |
| 103      | 1500       | 65      | 6        | 15          |
| 104      | 6320       | 62      | 2        | 15          |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Tables: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Delname   | varchar(20) |
| custid    | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

SQL File 4\* x

```
1 • select * from restaurant_management.order;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

| ordid | totalcost | foodid | drinkid | Delid |
|-------|-----------|--------|---------|-------|
| 100   | 1000      | 61     | 1       | 10    |
| 101   | 500       | 65     | 5       | 11    |
| 102   | 600       | 63     | 6       | 10    |
| 103   | 1500      | 65     | 6       | 15    |
| 104   | 6320      | 62     | 2       | 15    |
| •     | NULL      | NULL   | NULL    | NULL  |

order 45 x

Action Output

| #  | Time     | Action                                    | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 43 | 20:45:42 | select * from restaurant_management.order | 5 row(s) returned | 0.000 sec / 0.000 sec |
| 44 | 20:46:25 | select * from restaurant_management.order | 5 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

Python GUI Application

### Order details

Order Id:

Total Cost:

Food Id:

Drink Id:

Delivery Id:

Add Update Delete Clear

<< <

| Order Id | Total Cost | Food Id | Drink Id | Delivery Id |
|----------|------------|---------|----------|-------------|
| 100      | 1000       | 61      | 1        | 10          |
| 102      | 600        | 63      | 6        | 10          |
| 103      | 1500       | 65      | 6        | 15          |
| 104      | 6320       | 62      | 2        | 15          |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

Tables: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Delname   | varchar(20) |
| custid    | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

SQL File 4\* x

```
1 • select * from restaurant_management.order;
```

Result Grid | Filter Rows: | Edit: | Export/Import: | Wrap Cell Content: |

| ordid | totalcost | foodid | drinkid | Delid |
|-------|-----------|--------|---------|-------|
| 100   | 1000      | 61     | 1       | 10    |
| 102   | 600       | 63     | 6       | 10    |
| 103   | 1500      | 65     | 6       | 15    |
| 104   | 6320      | 62     | 2       | 15    |
| •     | NULL      | NULL   | NULL    | NULL  |

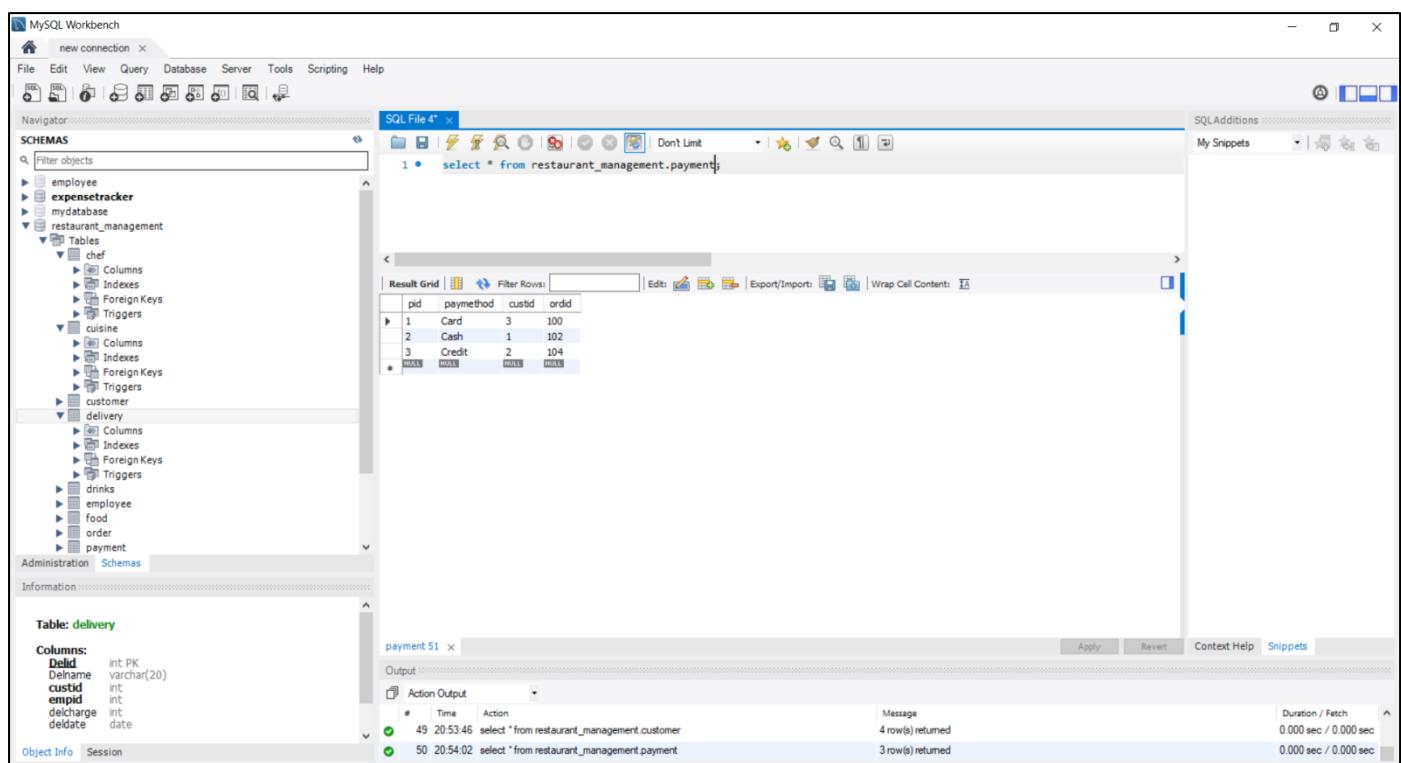
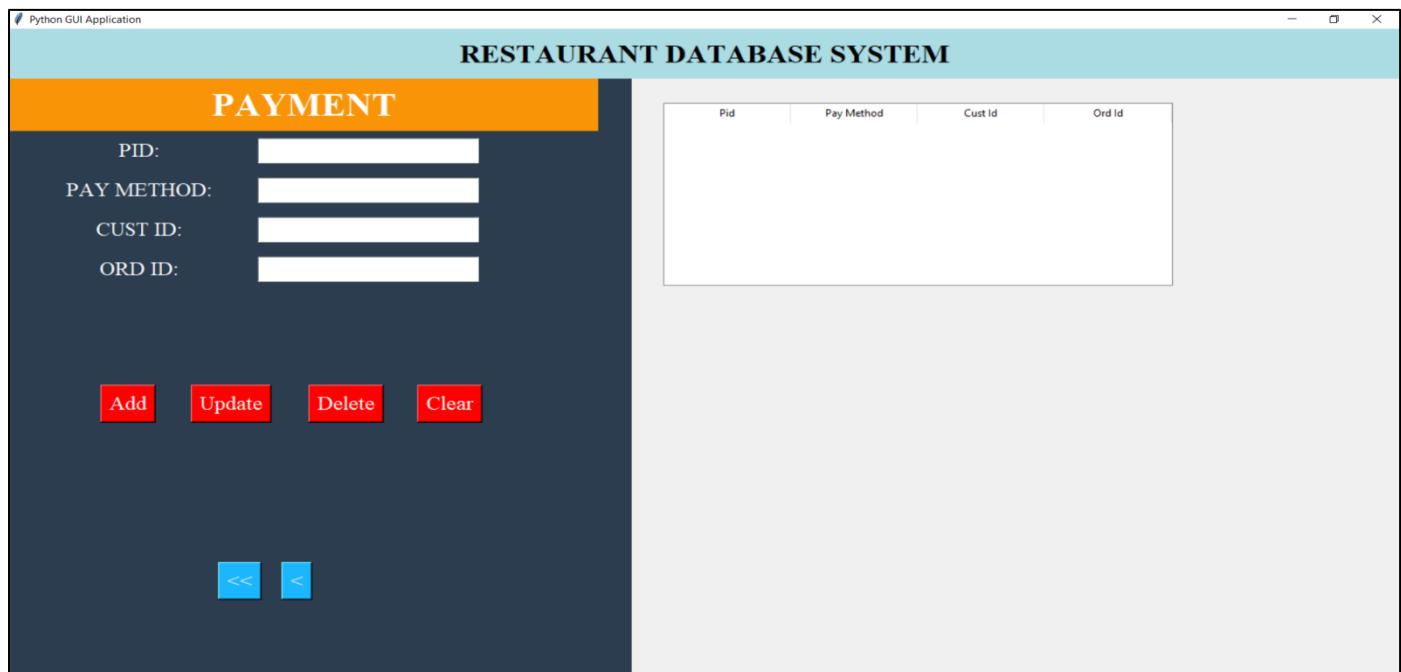
order 46 x

Action Output

| #  | Time     | Action                                    | Message           | Duration / Fetch      |
|----|----------|---|-------------------|-----------------------|
| 44 | 20:46:25 | select * from restaurant_management.order | 5 row(s) returned | 0.000 sec / 0.000 sec |
| 45 | 20:47:04 | select * from restaurant_management.order | 4 row(s) returned | 0.000 sec / 0.000 sec |

Object Info Session

# PAYMENT:



Python GUI Application

## RESTAURANT DATABASE SYSTEM

### PAYMENT

|             |      |
|-------------|------|
| PID:        | 1    |
| PAY METHOD: | Cash |
| CUST ID:    |      |
| ORD ID:     |      |

Add    Update    Delete    Clear

<<    <

| Pid | Pay Method | Cust Id | Ord Id |
|-----|------------|---------|--------|
|     |            |         |        |

Error  
Customer Id field is missing  
OK

Python GUI Application

## RESTAURANT DATABASE SYSTEM

### PAYMENT

|             |      |
|-------------|------|
| PID:        | 1    |
| PAY METHOD: | Cash |
| CUST ID:    | 100  |
| ORD ID:     | 102  |

Add    Update    Delete    Clear

<<    <

| Pid | Pay Method | Cust Id | Ord Id |
|-----|------------|---------|--------|
|     |            |         |        |

Error  
Payment ID Already Exist  
OK

Python GUI Application

## RESTAURANT DATABASE SYSTEM

### PAYMENT

|             |      |
|-------------|------|
| PID:        | 4    |
| PAY METHOD: | Cash |
| CUST ID:    | 5    |
| ORD ID:     | 102  |

Add    Update    Delete    Clear

<<    <

| Pid | Pay Method | Cust Id | Ord Id |
|-----|------------|---------|--------|
|     |            |         |        |

Error  
Customer ID Doesn't Exist  
OK

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS

- employee
- expensetracker
- mydatabase
- restaurant\_management
- Tables
- chef
- cuisine
- customer
- delivery
- drink
- employee
- food
- order
- payment

SQL File 4\*

```
1 • select * from restaurant_management.customer;
```

Result Grid

| Fname   | Iname | custid | emailid              | city      | street | pincode | gender | phoneno    | allergy |
|---------|-------|--------|----------------------|-----------|--------|---------|--------|------------|---------|
| Kanisha | Shah  | 1      | kanish@gmail.com     | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |
| Meet    | Vora  | 2      | meet@gmail.com       | Ahmedabad | Gota   | 784512  | M      | 7845129635 | Null    |
| Stuti   | Patel | 3      | stutipatel@gmail.com | Rajkot    | Sola   | 789564  | F      | 7849562347 | Null    |
| Kruti   | Pandy | 100    | kruti@gmail.com      | Ahmedabad | paldi  | 380007  | F      | 9512990798 | Null    |

Object Info Session

Table: delivery

Columns:

| Delid  | Delname     | Delchar | Empid | Delcharge | Deldate |
|--------|-------------|---------|-------|-----------|---------|
| int PK | varchar(20) | int     | int   | int       | date    |

Information

customer 52

Action Output

| Time        | Action                                       |
|-------------|--|
| 48 20:50:37 | select * from restaurant_management.customer |
| 49 20:53:46 | select * from restaurant_management.customer |

Output

Message: 4 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec

Duration / Fetch: 0.000 sec / 0.000 sec

# RESTAURANT DATABASE SYSTEM

## PAYMENT

PID:

PAY METHOD:

CUST ID:

ORD ID:

Add Update Delete Clear

<< <

Error

Order ID Doesn't Exist

OK

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS

- employee
- expensetracker
- mydatabase
- restaurant\_management
- Tables
- chef
- cuisine
- customer
- delivery
- drink
- employee
- food
- order
- payment

SQL File 4\*

```
1 • select * from restaurant_management.order;
```

Result Grid

| ordid | totalcost | foodid | drinkid | Delid |
|-------|-----------|--------|---------|-------|
| 100   | 1000      | 61     | 1       | 10    |
| 102   | 600       | 63     | 6       | 10    |
| 103   | 1500      | 65     | 6       | 15    |
| 104   | 6320      | 62     | 2       | 15    |

Object Info Session

Table: delivery

Columns:

| Delid  | Delname     | Delchar | Empid | Delcharge | Deldate |
|--------|-------------|---------|-------|-----------|---------|
| int PK | varchar(20) | int     | int   | int       | date    |

Information

order 52

Action Output

| Time        | Action                                      |
|-------------|---|
| 50 20:54:02 | select * from restaurant_management.payment |
| 51 20:56:34 | select * from restaurant_management.order   |

Output

Message: 3 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec

Duration / Fetch: 0.000 sec / 0.000 sec

Python GUI Application

# RESTAURANT DATABASE SYSTEM

## PAYMENT

PID:

PAY METHOD:

CUST ID:

ORD ID:

Add    Update    Delete    Clear

<<    <

| Pid | Pay Method | Cust Id | Ord Id |
|-----|------------|---------|--------|
| 1   | Card       | 3       | 100    |
| 2   | Cash       | 1       | 102    |
| 3   | Credit     | 2       | 104    |
| 4   | Cash       | 100     | 102    |

The screenshot shows the MySQL Workbench interface. The top menu bar includes File, Edit, View, Query, Database, Server, Tools, Scripting, and Help. The left sidebar displays the Navigator, Schemas, and Administration sections. The Schemas section shows the 'new connection' database with its tables: employee, expensetracker, mydatabase, and restaurant\_management. The restaurant\_management table has sub-sections for Columns, Indexes, Foreign Keys, Triggers, and customer. The customer table has sub-sections for Columns, Indexes, Foreign Keys, and Triggers. The bottom left shows the Object Info and Session tabs. The main workspace contains two tabs: 'SQL File 4\*' and 'payment 53'. The 'SQL File 4\*' tab shows a query: 'select \* from restaurant\_management.payment;'. The results grid displays the following data:

| pid | paymethod | custid | ordid |
|-----|-----------|--------|-------|
| 1   | Card      | 3      | 100   |
| 2   | Cash      | 1      | 102   |
| 3   | Credit    | 2      | 104   |
| 4   | Cash      | 100    | 102   |

The 'payment 53' tab shows the output of the same query, with the results grid showing the same four rows.

Python GUI Application

# RESTAURANT DATABASE SYSTEM

## PAYMENT

PID:

PAY METHOD:

CUST ID:

ORD ID:

**Add**   **Update**   **Delete**   **Clear**

<<   <

| Pid | Pay Method | Cust Id | Ord Id |
|-----|------------|---------|--------|
| 1   | Card       | 3       | 100    |
| 2   | Cash       | 100     | 102    |
| 3   | Credit     | 2       | 104    |
| 4   | Cash       | 100     | 102    |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Tables: payment

Result Grid:

| pid | paymethod | custid | ordid |
|-----|-----------|--------|-------|
| 1   | Card      | 3      | 100   |
| 2   | Cash      | 100    | 102   |
| 3   | Credit    | 2      | 104   |
| 4   | Cash      | 100    | 102   |
|     |           |        |       |

SQL File 4\*:

```
1 • select * from restaurant_management.payment;
```

Result Grid:

| pid | paymethod | custid | ordid |
|-----|-----------|--------|-------|
| 1   | Card      | 3      | 100   |
| 2   | Cash      | 100    | 102   |
| 3   | Credit    | 2      | 104   |
| 4   | Cash      | 100    | 102   |
|     |           |        |       |

Object Info Session

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Dename    | varchar(20) |
| ctid      | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

Action Output:

| #  | Time     | Action                                      |
|----|----------|---|
| 52 | 20:57:10 | select * from restaurant_management.payment |
| 53 | 20:58:30 | select * from restaurant_management.payment |

Message: 4 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec

Message: 4 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec

### RESTAURANT DATABASE SYSTEM

#### PAYMENT

PID:

PAY METHOD:

CUST ID:

ORD ID:

Add Update Delete Clear

<< <

| Pid | Pay Method | Cust Id | Ord Id |
|-----|------------|---------|--------|
| 1   | Card       | 3       | 100    |
| 3   | Credit     | 2       | 104    |
| 4   | Cash       | 100     | 102    |

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Tables: payment

Result Grid:

| pid | paymethod | custid | ordid |
|-----|-----------|--------|-------|
| 1   | Card      | 3      | 100   |
| 3   | Credit    | 2      | 104   |
| 4   | Cash      | 100    | 102   |
|     |           |        |       |

SQL File 4\*:

```
1 • select * from restaurant_management.payment;
```

Result Grid:

| pid | paymethod | custid | ordid |
|-----|-----------|--------|-------|
| 1   | Card      | 3      | 100   |
| 3   | Credit    | 2      | 104   |
| 4   | Cash      | 100    | 102   |
|     |           |        |       |

Object Info Session

Table: delivery

Columns:

| Delid     | int PK      |
|-----------|-------------|
| Dename    | varchar(20) |
| ctid      | int         |
| empid     | int         |
| delcharge | int         |
| deldate   | date        |

Action Output:

| #  | Time     | Action                                      |
|----|----------|---|
| 53 | 20:58:30 | select * from restaurant_management.payment |
| 54 | 20:58:58 | select * from restaurant_management.payment |

Message: 4 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec

Message: 3 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec