

# **DBMS**

## **INNOVATIVE ASSIGNMENT**

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# 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

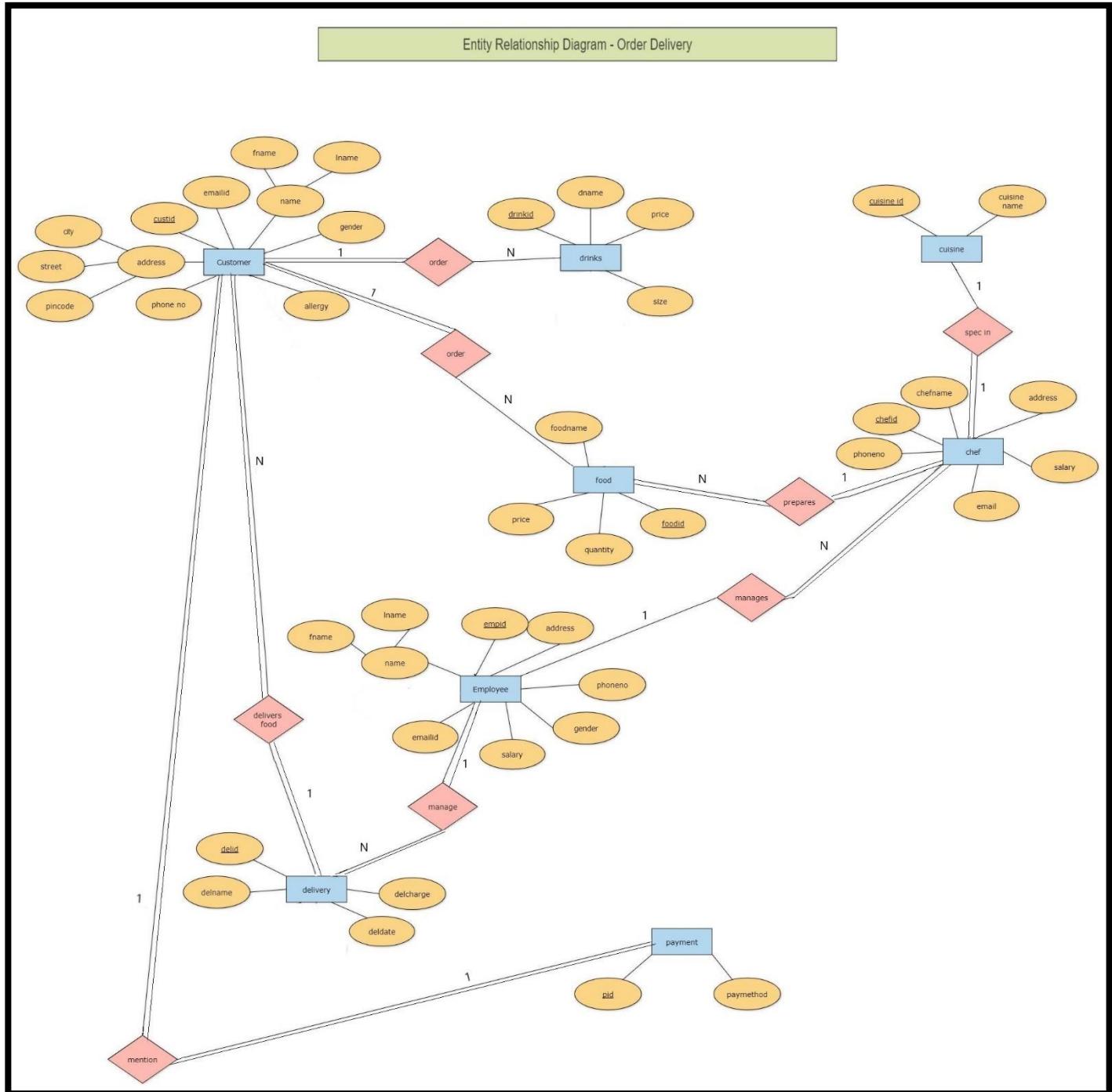
## **EXTERNAL INTERFACE REQUIREMENTS**

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		NOTNULL
LNAME		NOTNULL
CUSTID		PRIMARY KEY
EMAILID		NOT NULL, CHECK should contain @ .com
CITY	AHMEDABAD	
STREET		NOTNULL
PINCODE		NOTNULL CHECK count = 6
GENDER		NOTNULL Values ('M','F','O')
PHONENO		NOTNULL CHECK count = 10
ALLERGY	NULL	

CUISINE		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
CUISINEID		PRIMARY KEY
CUISINENAME		NOTNULL

EMPLOYEE		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
EMPID		PRIMARY KEY
FNAME		NOTNULL
LNAME		NOTNULL

<b>EMAILID</b>		NOTNULL, CHECK should contain @ .com
<b>ADDRESS</b>		NOTNULL
<b>PHONE NO</b>		NOTNULL CHECK count = 10
<b>GENDER</b>		NOTNULL Values ('M', 'F', 'O')
<b>SALARY</b>		NOTNULL CHECK Greater than 0

CHEF		
ATTRIBUTES	DEFAULT VALUE	CONSTRAINTS
<b>CHEFID</b>		PRIMARY KEY
<b>CHEFNAME</b>		NOTNULL
<b>ADDRESS</b>		NOTNULL
<b>PHONENO</b>		NOTNULL CHECK count = 10
<b>SPEC</b>		Foreign key references ' <b>CUISINEID</b> ' of <b>CUISINE</b> table.
<b>EMPID</b>		Foreign key references ' <b>EMPID</b> ' of <b>EMPLOYEE</b> table.
<b>EMAIL</b>		NOTNULL, CHECK should contain @ .com
<b>SALARY</b>		NOTNULL CHECK Greater than 0

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

<b>FOODNAME</b>		NOT NULL
<b>PRICE</b>		NOT NULL CHECK Greater than 0
<b>QUANTITY</b>		NOT NULL 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, 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 CHECK can't be 0
<b>DELDATE</b>		NOT NULL

	ORDER	
ATTRIBUTES	DEFAULT	CONSTRAINT
<b>ORDID</b>		PRIMARY KEY
<b>TOTALCOST</b>		NOT NULL 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	HULL	15	1009	meet@gmail.com	1526	
*	HULL	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
	eggrice	north indian	50
	idlysambar	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: [ ]

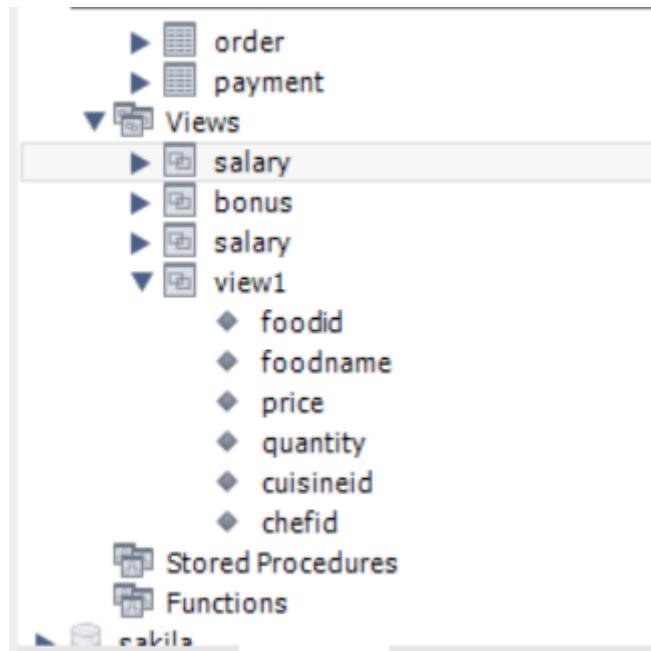
	fname	lname	gender	salary
▶	Kanisha	Shah	F	230000

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

Result Grid | Filter Rows: [ ]

	Name
▶	adam lavine
	alex wasabi
	abby lee
	ava anderson

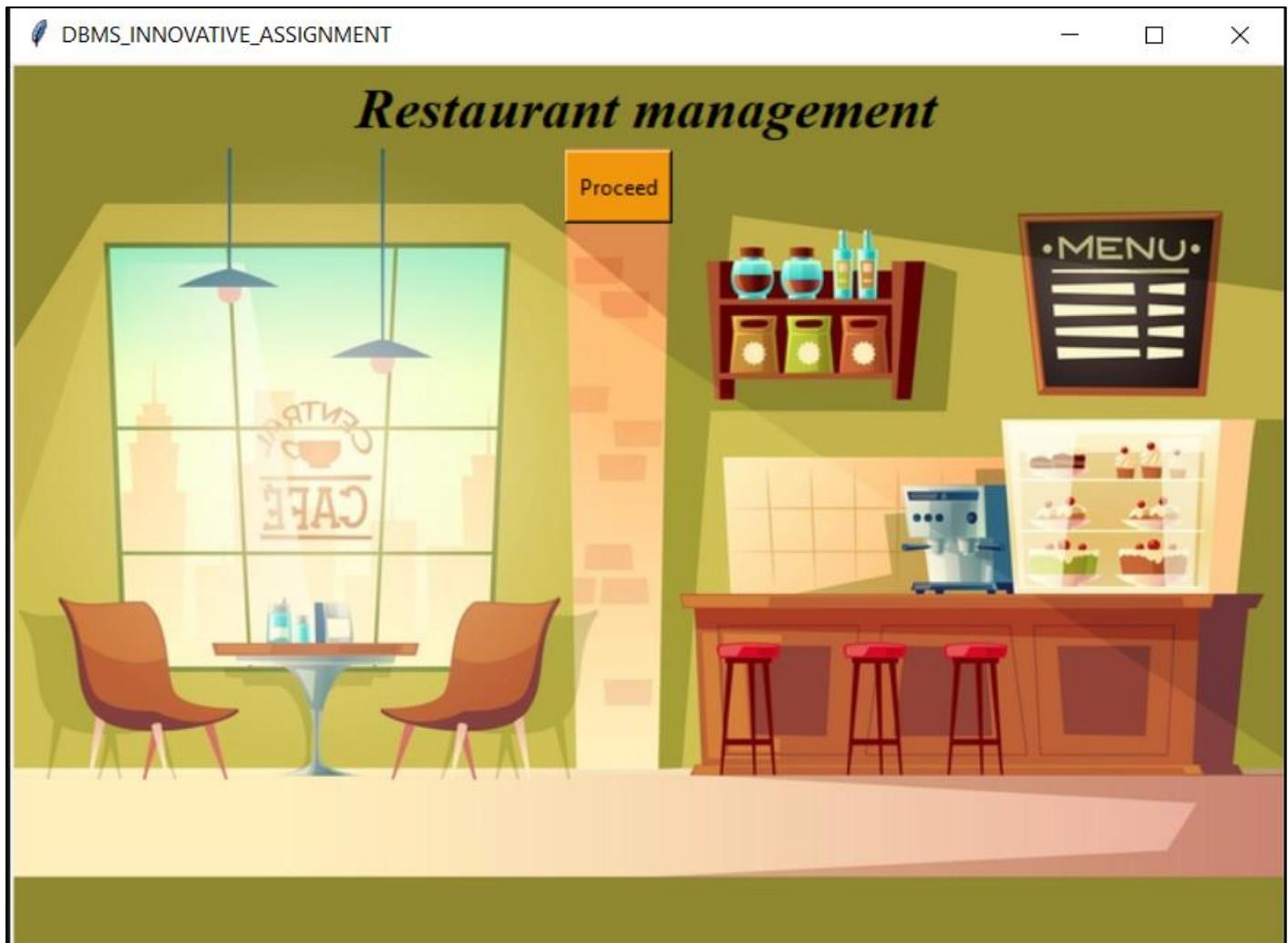
9.CREATE VIEW Salary AS SELECT chefid,  
SUM(employee.salary) FROM CHEF JOIN employee ON  
Chef.chefid = employee.empid GROUP BY Chef.chefid



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 ;

Result Grid						
	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

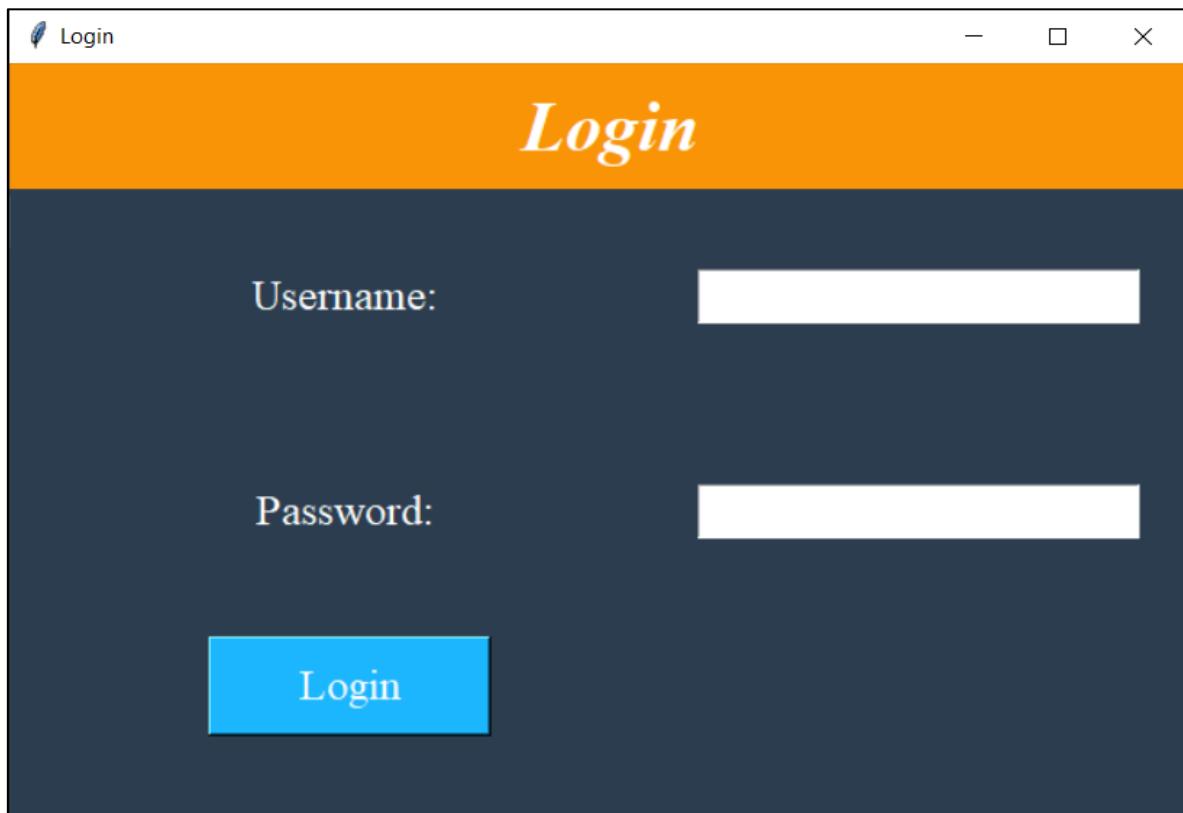
# RELATIONAL MODEL



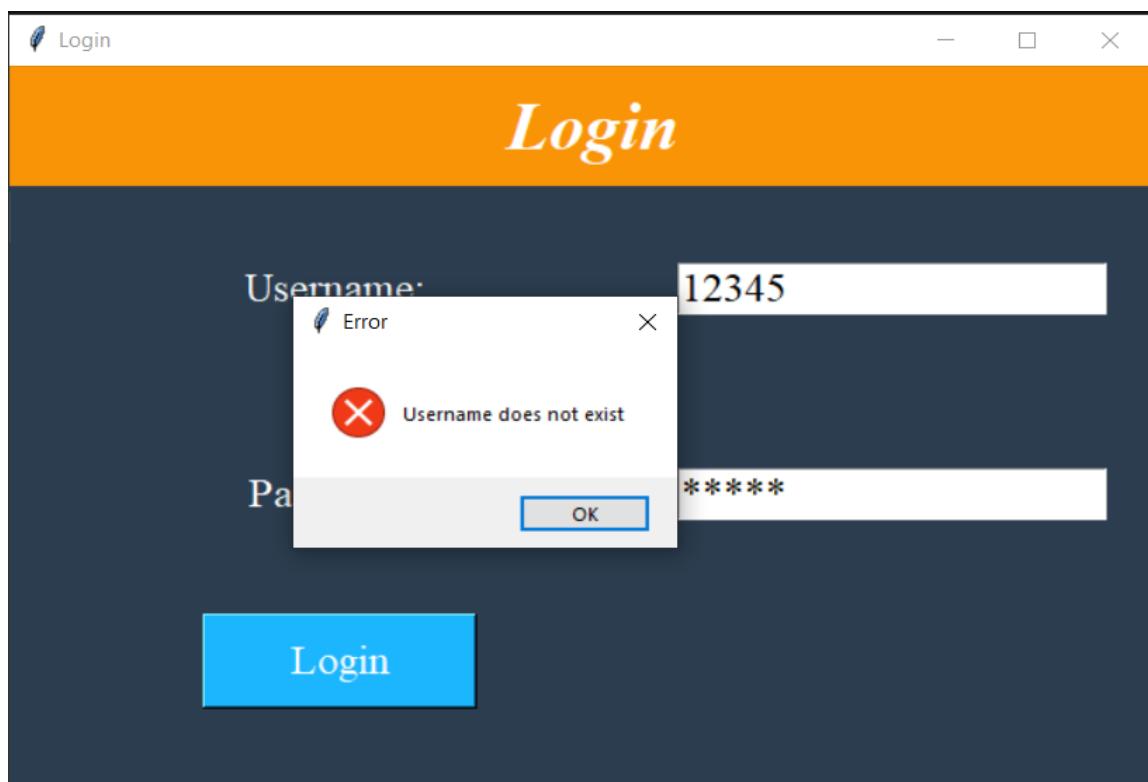
First page of Restaurant Database Management using GUI Python Tkinter.

User clicks the proceed button, to manipulate the data.

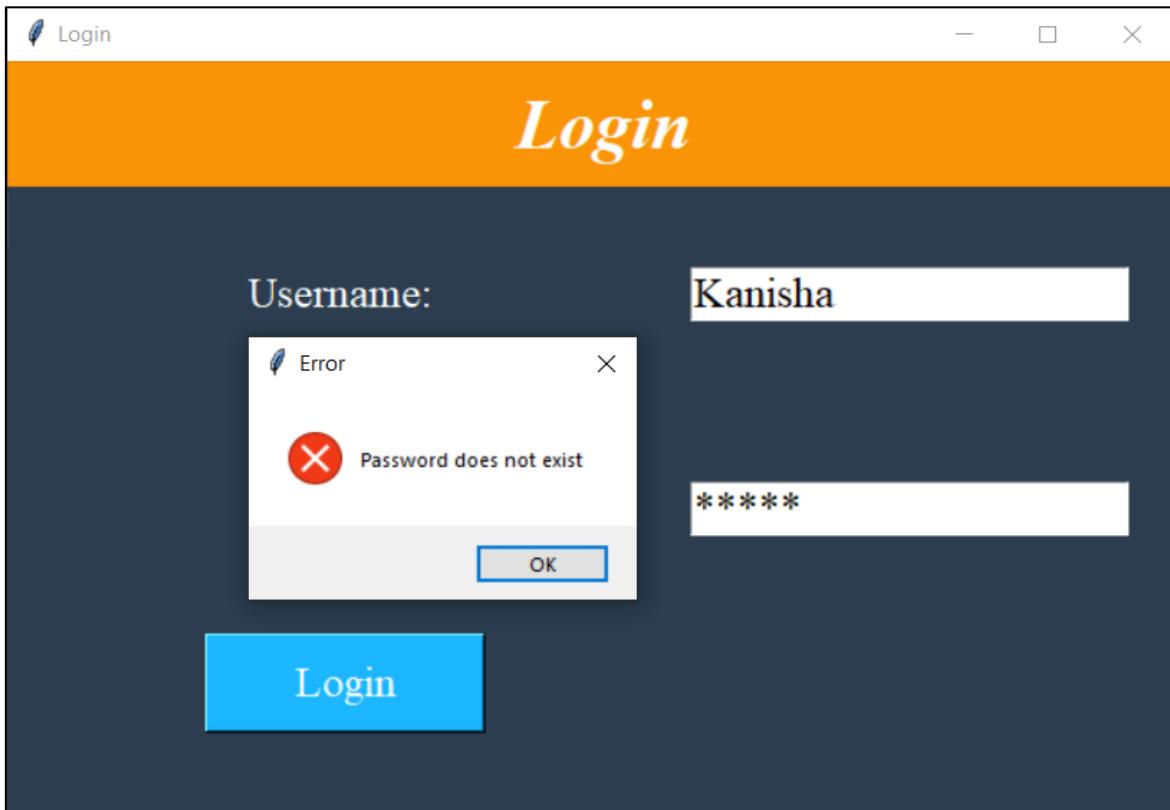
The user has to enter correct password and user id in order to access the database.



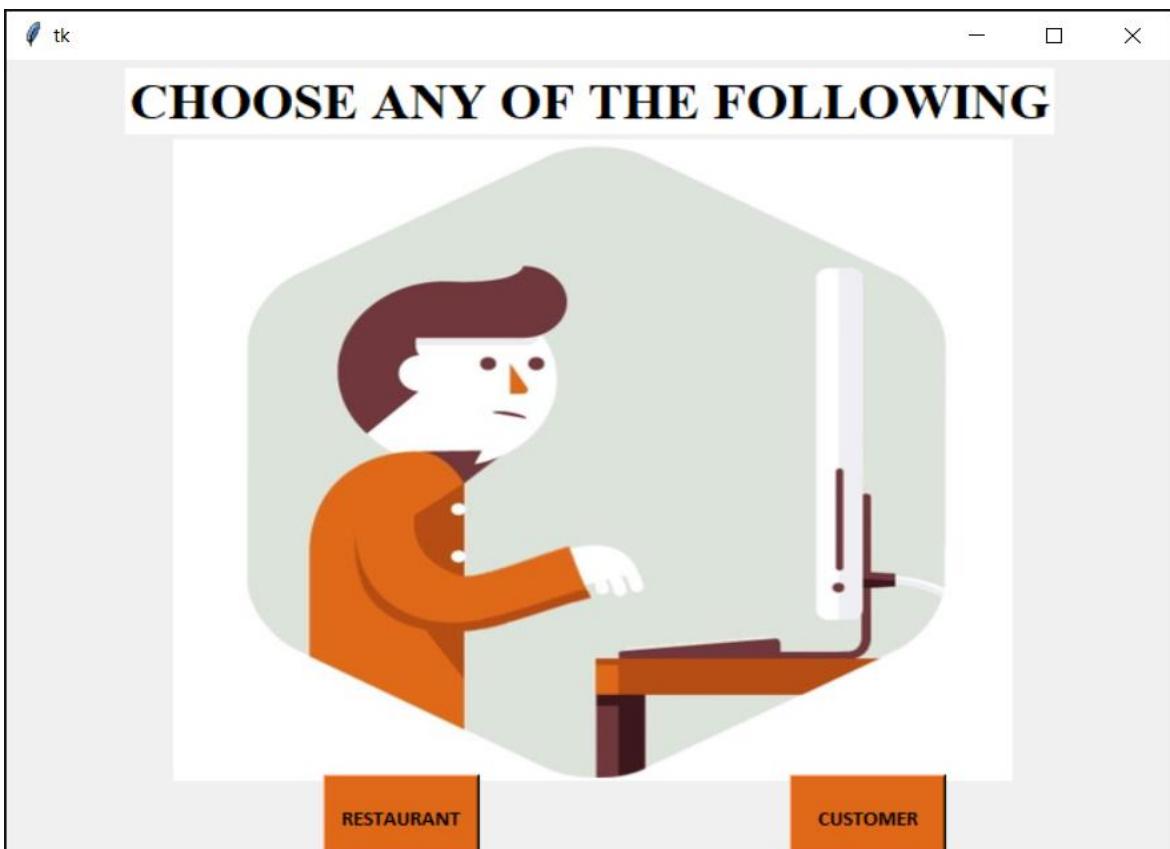
The username does not exist, hence raises error.



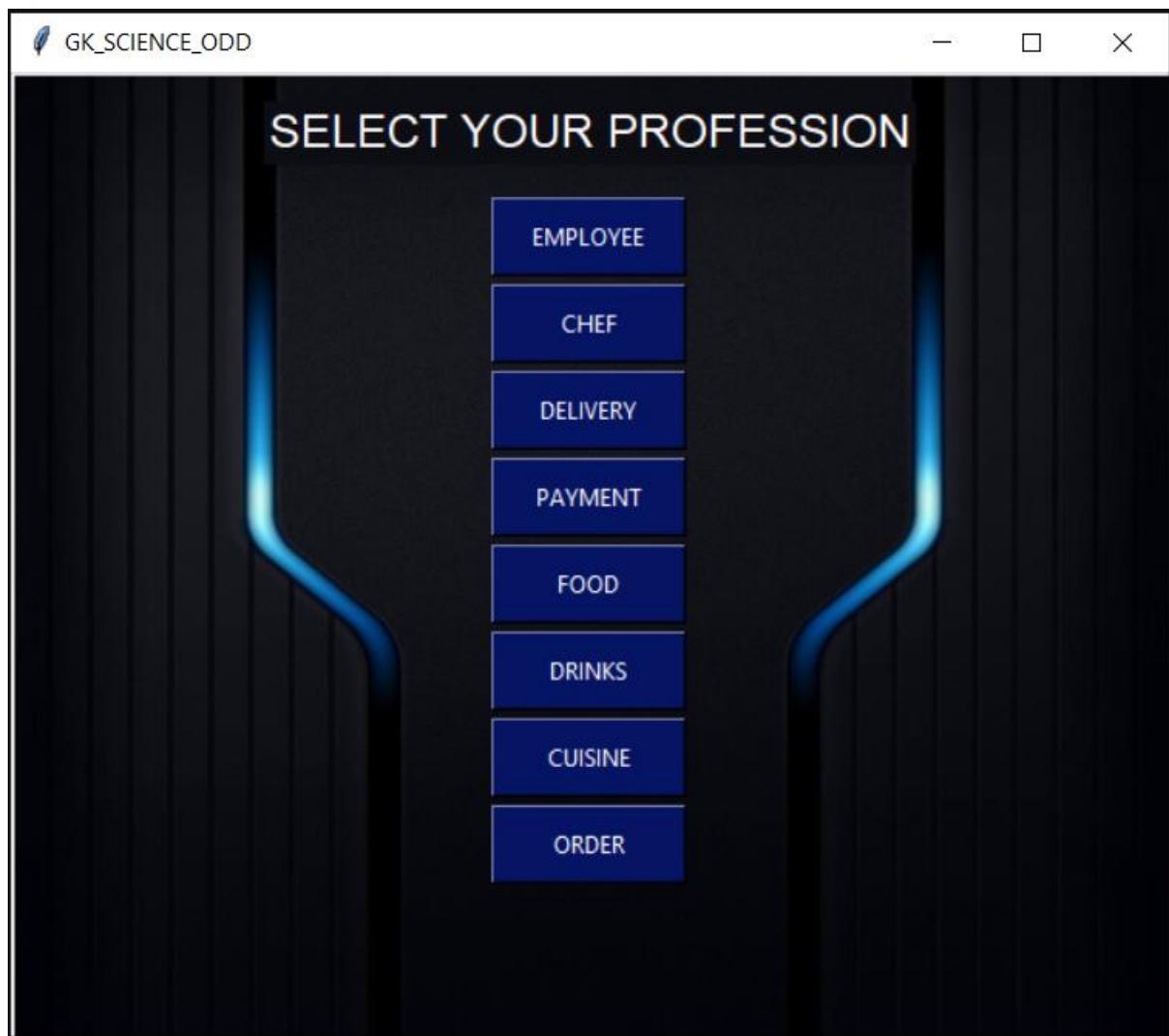
The password is incorrect, hence raises error.



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.

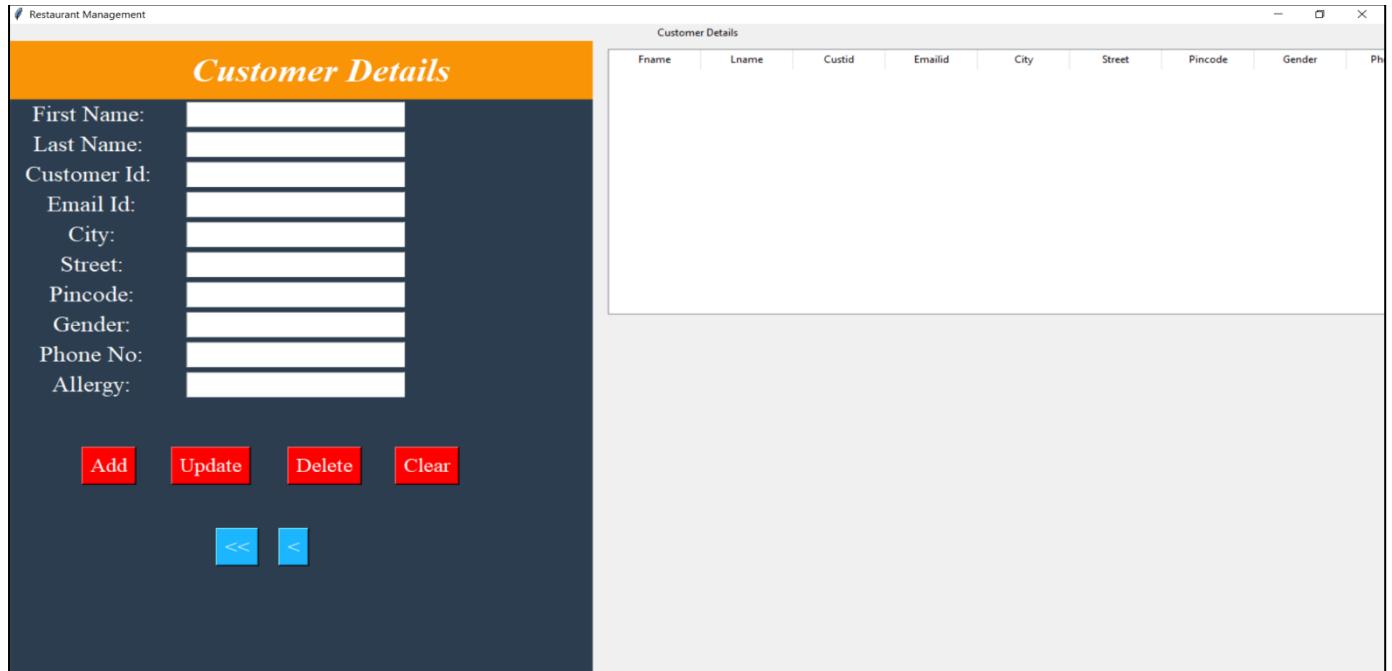


On selecting restaurant the following page opens and user can select any of the following to manipulate the respective data.

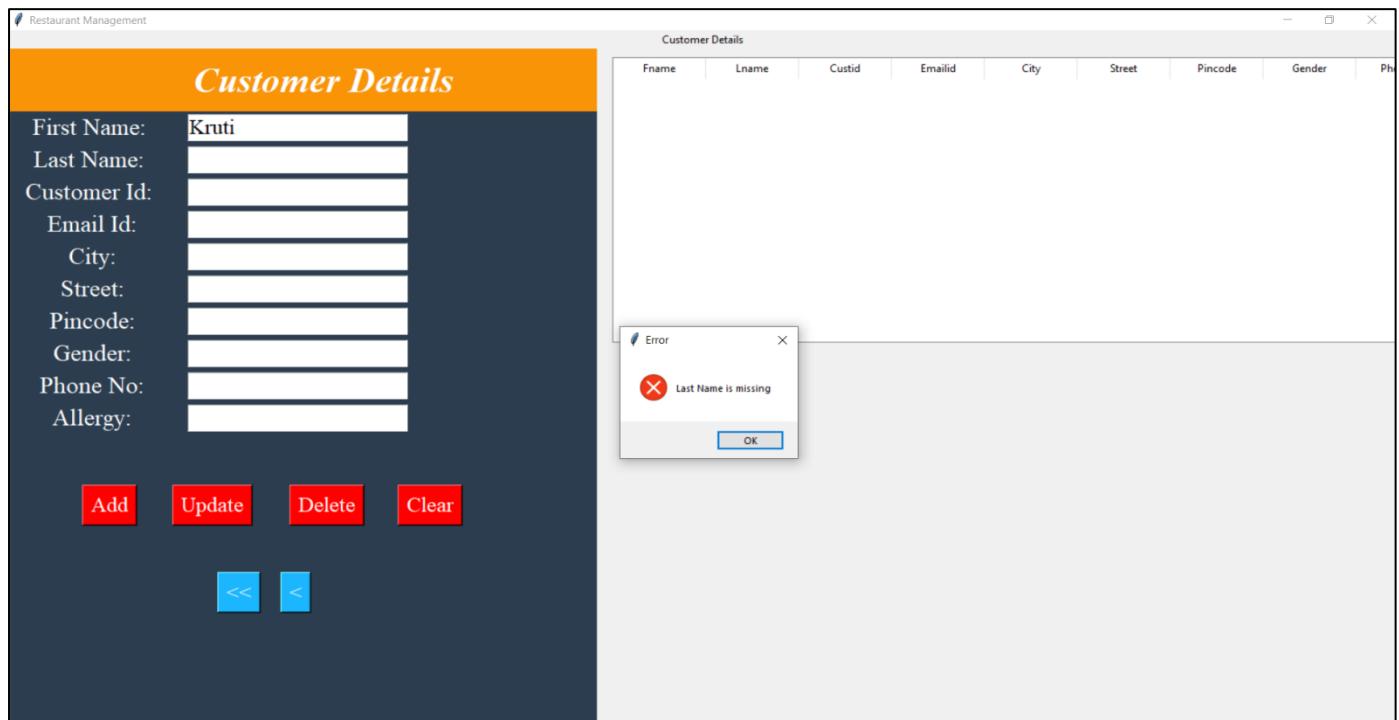


# CUSTOMER:

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  
Phoneno 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

Customer Details										
Fname	Lname	Custid	Emailid	City	Street	Pincode	Gender	Phoneno	Allergy	
KANISHA	SHAH	1	shahkani@gmail.c	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

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. Below the menu is a toolbar with various icons. The 'Navigator' pane on the left lists 'SCHEMAS' (employee, expensetracker, mydatabase, restaurant\_management) and 'Tables' (chef, cuisine, customer, delivery, drinks, food, order, payment). The 'restaurant\_management' schema is selected. The 'Tables' section shows tables like chef, cuisine, customer, delivery, drinks, food, order, and payment. The 'customer' table is selected. The main area displays a 'Result Grid' for the query 'select \* from restaurant\_management.customer;'. The grid has columns: Fname, Lname, custid, emailid, city, street, pincode, gender, phoneno, and allergy. The data shows three rows: Kanisha Shah (custid 1), Meet Vora (custid 2), and Kruti Pandya (custid 100). The 'Output' pane at the bottom shows the query 'select \* from restaurant\_management.customer' was run at 18:45:51 and returned 3 row(s).

Updated the name of Meet Vora to Meet Sheth

The screenshot shows a web-based application for managing customer details. The title bar says 'Restaurant Management'. The main area has a header 'Customer Details'. On the left, there is a form with fields: 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), and Allergy (empty). Below the form are four buttons: 'Add' (red), 'Update' (red), 'Delete' (red), and 'Clear' (white). At the bottom are two blue navigation buttons: '<<' and '<'. On the right, there is a table titled 'Customer Details' with columns: Fname, Lname, Custid, Emailid, City, Street, Pincode, Gender, Phoneno, and Allergy. The table contains the same data as the form: Kanisha Shah (custid 1), Meet Sheth (custid 2), and Kruti Pandya (custid 100).

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

The screenshot shows a Windows application window titled "Customer Details". On the left, there is a form with fields for 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), and Allergy (empty). Below the form are four buttons: Add, Update, Delete, and Clear. To the right of the form is a grid titled "Customer Details" with the following data:

Fname	Lname	Custid	EmailId	City	Street	Pincode	Gender	PhoneNo
Kanisha	Shah	1	kanii@gmail.com	Ahmedabad	paldi	380007	F	9512990798
Kruti	Pandya	100	kruti@gmail.com	Ahmedabad	paldi	380007	F	9512990798

The screenshot shows the MySQL Workbench interface. In the Navigator pane, under the "restaurant\_management" schema, the "Tables" section is expanded, showing tables like chef, cuisine, customer, delivery, drinks, employee, food, order, payment, and sakila. In the central SQL editor, the query `select * from restaurant_management.customer;` is run, and the results are displayed in a 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

Below the grid, the "Output" pane shows the execution history:

#	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

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

**EMPLOYEE**

First Name:

Last Name:

Emp Id:

Email Id:

Address :

Gender:

Phone No:

Salary:

Add    Update    Delete    Clear

<<    <

## Constraint violation

Python GUI Application

RESTAURANT DATABASE SYSTEM

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

**EMPLOYEE**

First Name:

Last Name:

Emp Id:

Email Id:

Address :

Gender:

Phone No:

Salary:

Add    Update    Delete    Clear

<<    <

Error  
Email field is missing

OK

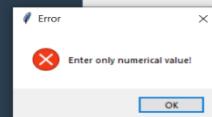
The screenshot shows a Python GUI application titled "RESTAURANT DATABASE SYSTEM". The main window has a dark blue header bar with the title. Below it, a yellow header bar contains the word "EMPLOYEE". The main body of the window contains several input fields for employee details: First Name (Sukriti), Last Name (Sharma), Emp Id (1002), Email Id (sukriti@gmail.com), Address (paldi), Gender (Fp), Phone No, and Salary. Below these fields are four red buttons labeled "Add", "Update", "Delete", and "Clear". At the bottom left are two small blue navigation buttons labeled "<<" and "<". To the right of the input fields 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 exclamation mark icon and the message "Gender filed must be F or M or O".

The screenshot shows a Python GUI application titled "RESTAURANT DATABASE SYSTEM". The main window has a dark blue background and features an orange header bar with the word "EMPLOYEE". On the left, there is a vertical stack of input fields for 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 (empty). Below these fields are four red buttons labeled "Add", "Update", "Delete", and "Clear". At the bottom left are two small blue navigation buttons labeled "<<" and "<". To the right of the input fields is a table with columns: First Name, Last Name, Emp Id, Email Id, Address, Gender, Phone No, and Salary. The "Salary" column is currently empty. A modal dialog box titled "Error" is displayed in the center, showing a red exclamation mark icon and the message "Salary field is missing" with an "OK" button.

Python GUI Application

### RESTAURANT DATABASE SYSTEM

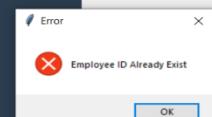
EMPLOYEE		Employee Details													
First Name:	Sukriti	Last Name:		Emp Id:		Email Id:		Address:		Gender:		Phone No:		Salary:	
First Name:	Sukriti	Last Name:	Sharma	Emp Id:	1002	Email Id:	sukriti@gmail.com	Address :	paldi	Gender:	F	Phone No:	8451269752	Salary:	10000
									<input type="button" 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	
First Name:	Sukriti	Last Name:	martin	Emp Id:	chris@gmail.co	Email Id:	Adugodi	Address:	9844038540	Gender:	M	Phone No:	40000	
Last Name:	Sharma	Emp Id:	alex	Email Id:	alewx@gmail.co	Address:	girinagar	Gender:	9611747941	Phone No:	35000			
Emp Id:	1010	Address :	wasabi	Gender:	abby@gmail.co	Phone No:	lee	Salary:	9248289899	OK	60000			
Email Id:	sukriti@gmail.com	Gender:	abby	Phone No:	kengeri	Salary:	jayanagar	Address :	8861360860	OK	50000			
Address :	paldi	Phone No:	briana	Address :	lodge	Address :	maria@gmail.co	Gender:	9483960975	OK	40000			
Gender:	F	Salary:	ava	Gender:	solano	Gender:	double road	Phone No:	7486911232	OK	60000			
Phone No:	8451269752	Salary:	anderson	Phone No:	anderson	Phone No:	7486911232	Salary:	9835383461	OK	70000			
Salary:	10000		ava@gmail.co	Salary:	remash	Salary:	9835383461	OK	9512990798	OK	230000			
									<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	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

## 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 the following details:

- Navigator:** Shows the schema `restaurant_management` with tables: `chef`, `cuisine`, `customer`, `delivery`, `drinks`, `employee`, `food`, `order`, `payment`.
- SQL Editor:** Contains the query `select * from restaurant_management.employee;`
- Result Grid:** Displays 10 rows of data from the `employee` table.
- Action Output:** Shows two log entries for the executed query.

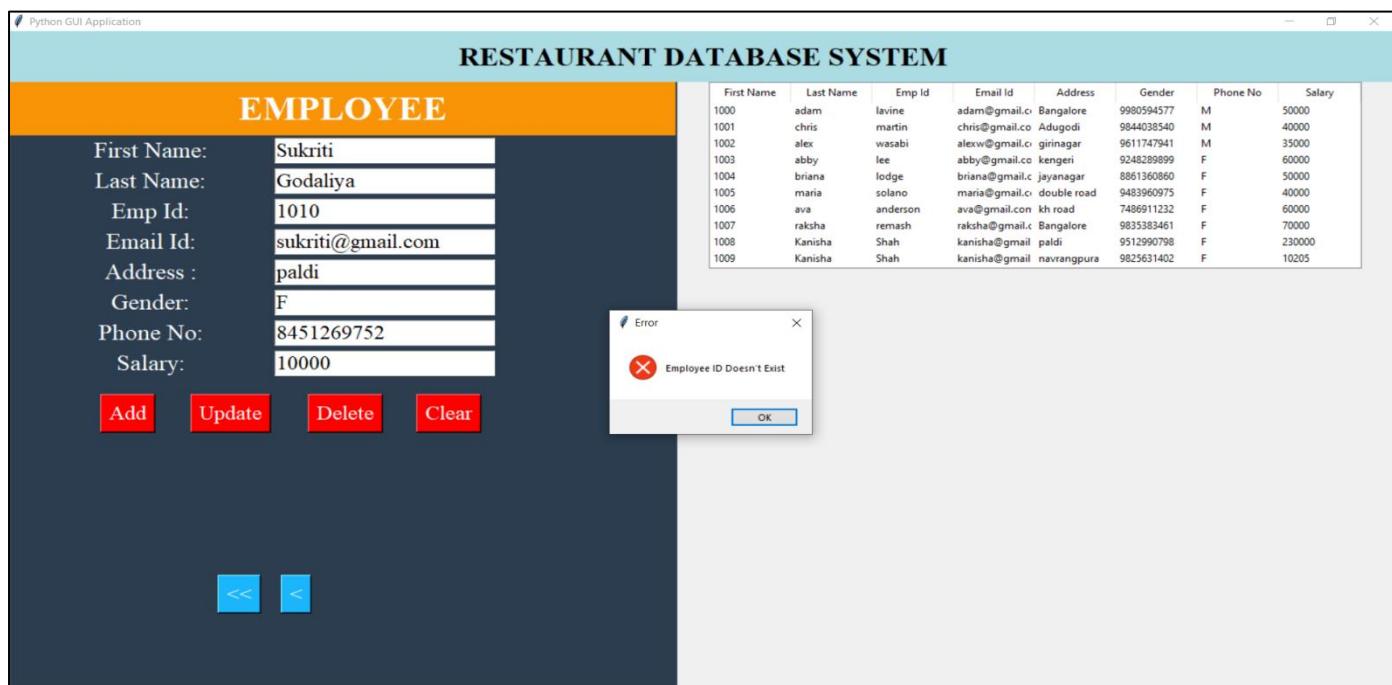
empid	Fname	Iname	emailid	Address	phoneno	gender	salary
1000	adam	lavine	adam@gmail.com	Bangalore	9980594577	M	50000
1001	chris	martin	chris@gmail.com	Adugodi	9844038540	M	40000
1002	alex	wasabi	alexx@gmail.com	girinagar	9611747941	M	35000
1003	abby	lee	abby@gmail.com	kengeri	9246289899	F	60000
1004	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	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	navrangpura	9825631402	F	10205
1010	Sunita	Godaliya	sunita@gmail.com	paldi	8451269752	F	10000

The screenshot shows the MySQL Workbench interface with the following details:

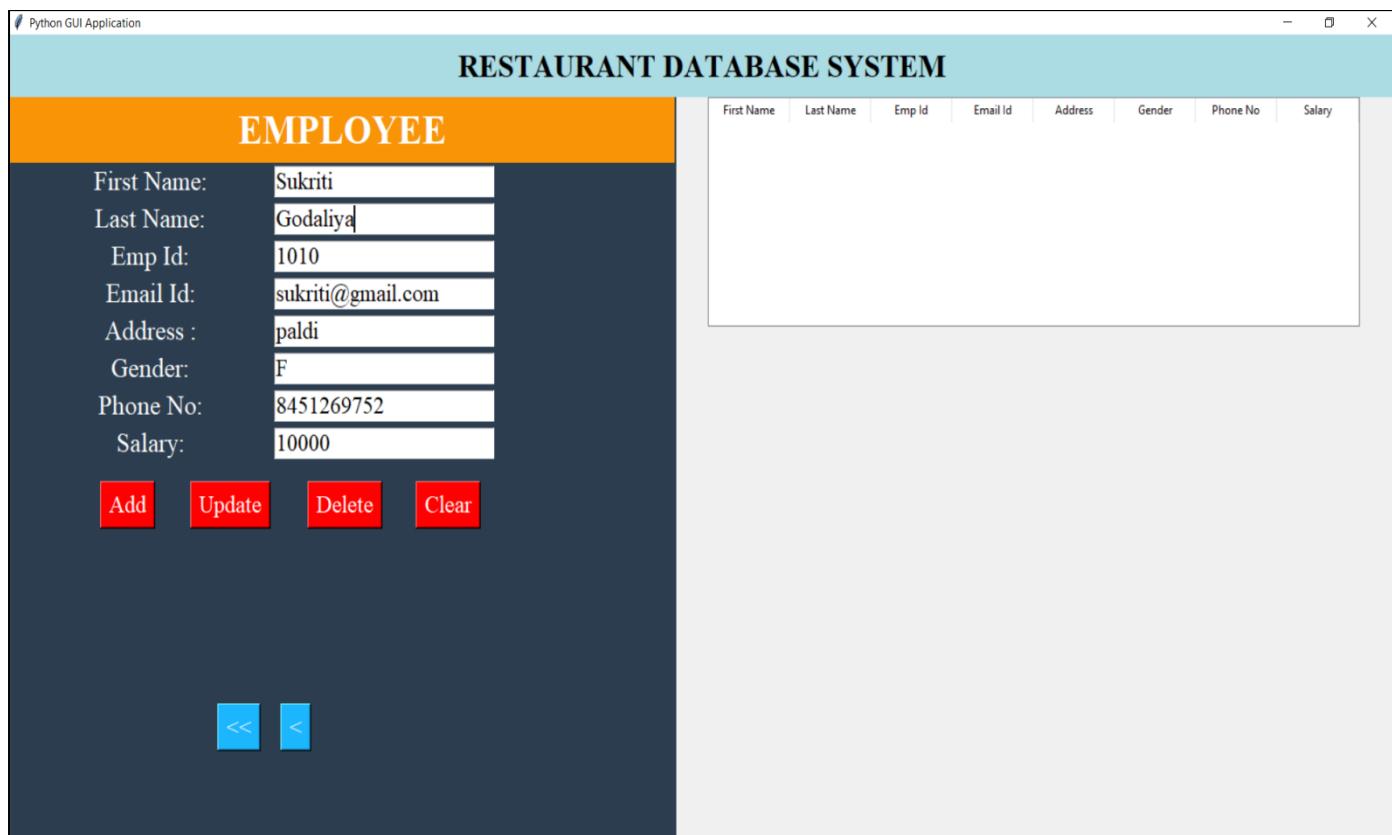
- Navigator:** Shows the schema `restaurant_management` with tables: `chef`, `cuisine`, `customer`, `delivery`, `drinks`, `employee`, `food`, `order`, `payment`.
- SQL Editor:** Contains the query `select * from restaurant_management.employee;`
- Result Grid:** Displays 10 rows of data from the `employee` table.
- Action Output:** Shows two log entries for the executed query.

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	alexx@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	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	navrangpura	9825631402	F	10205
1010	Sunita	Godaliya	sunita@gmail.com	paldi	8451269752	F	10000

## 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 expensestracker mydatabase restaurant\_management

Tables: chef cuisine customer delivery drinks employee food order payment

Views: sakila

Stored Procedures: Functions

sys world

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

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

chefid	Chefname	Address	phoneno	spec	empid	emailid	salary
2	Kahan	paldi	9328543995	12	1002	kahan@gmail.com	1000
3	Meet	paldi	9852163472	15	1003	meet@gmail.com	1526
5	Anni	paldi	9512856352	10	1001	anni@gmail.com	20356

Administration Schemas Information

Schema: restaurant\_management

Object Info Session

chef 8\* | Action Output | Output | Context Help Snippets

#	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

Python GUI Application

RESTAURANT DATABASE SYSTEM

CHEF

Chef Name: Stuti

Chef Id:

Emp Id:

Email Id:

Address :

Spec:

Phone No:

Salary:

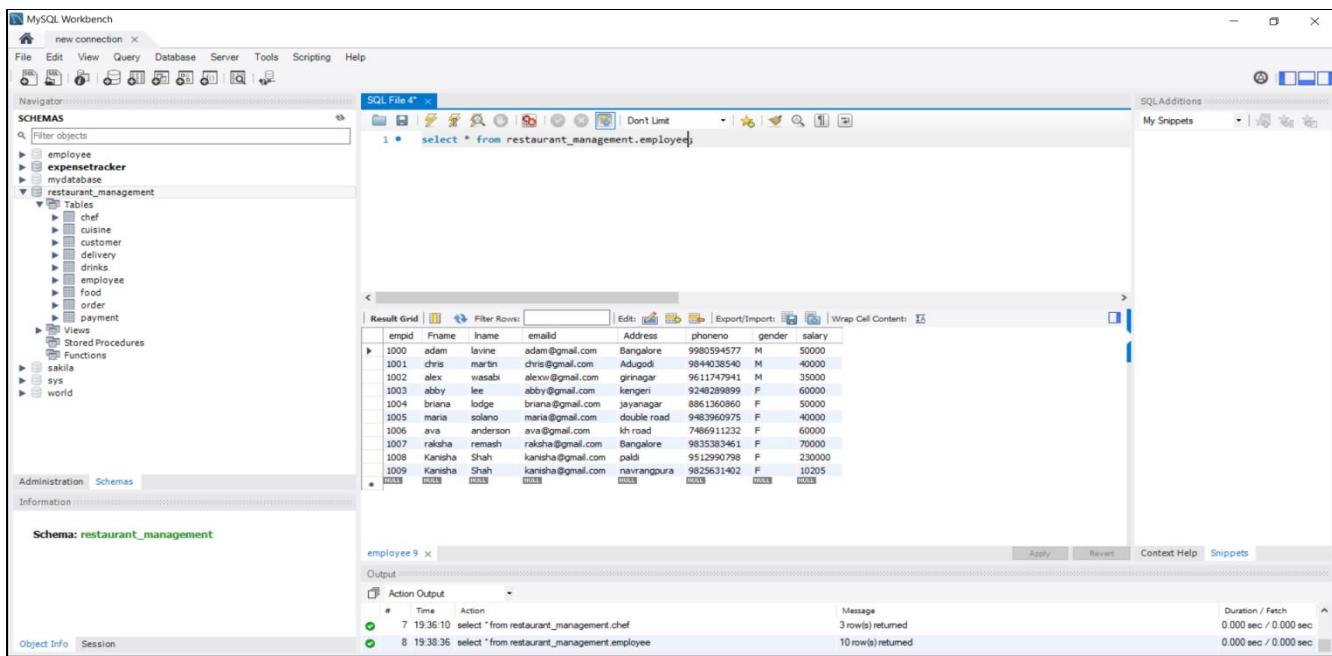
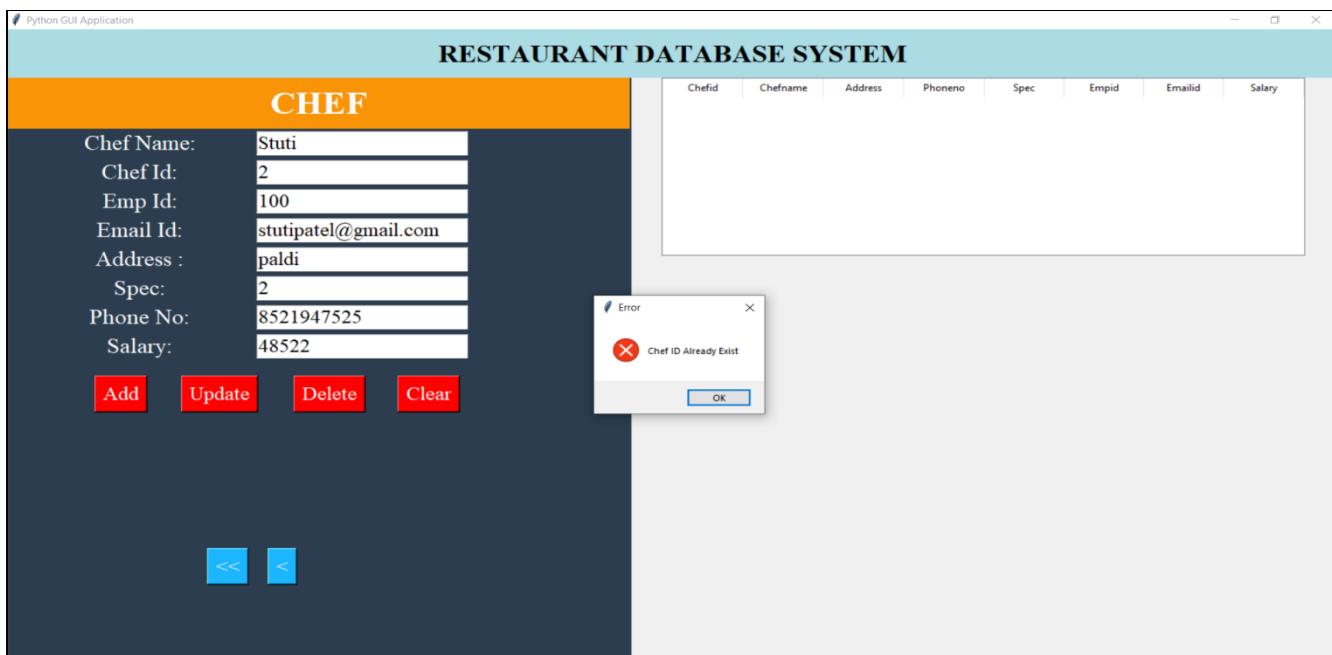
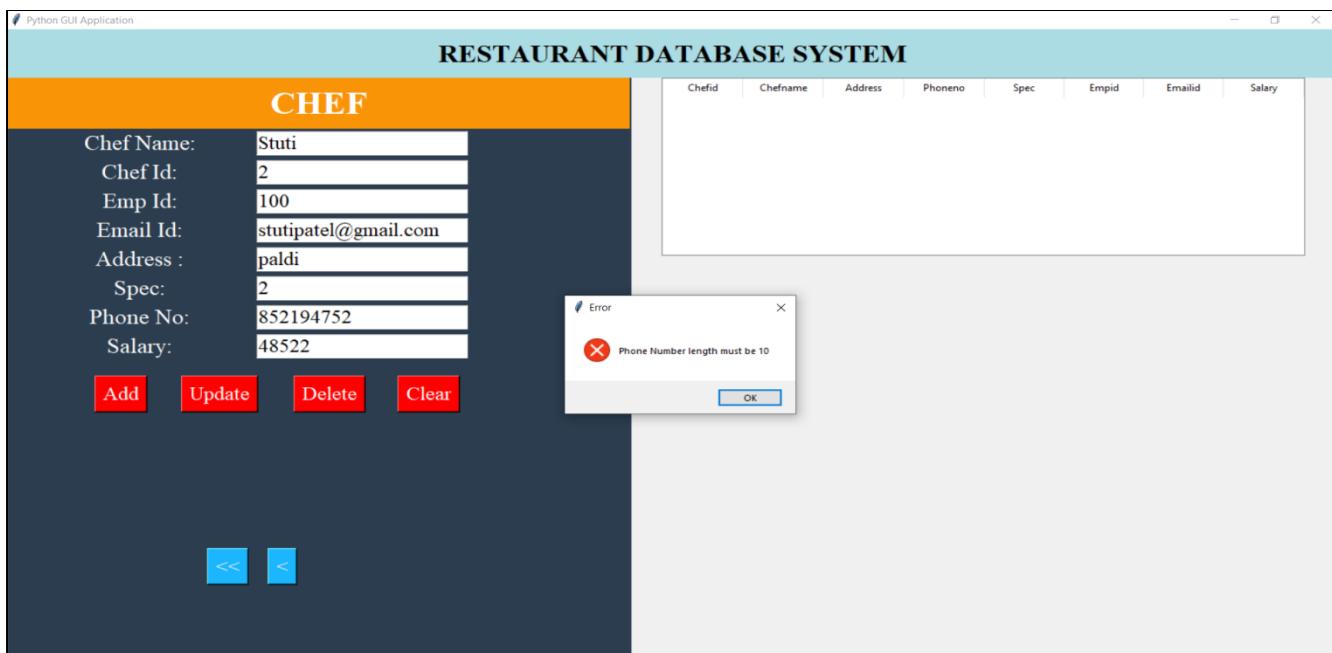
Add Update Delete Clear

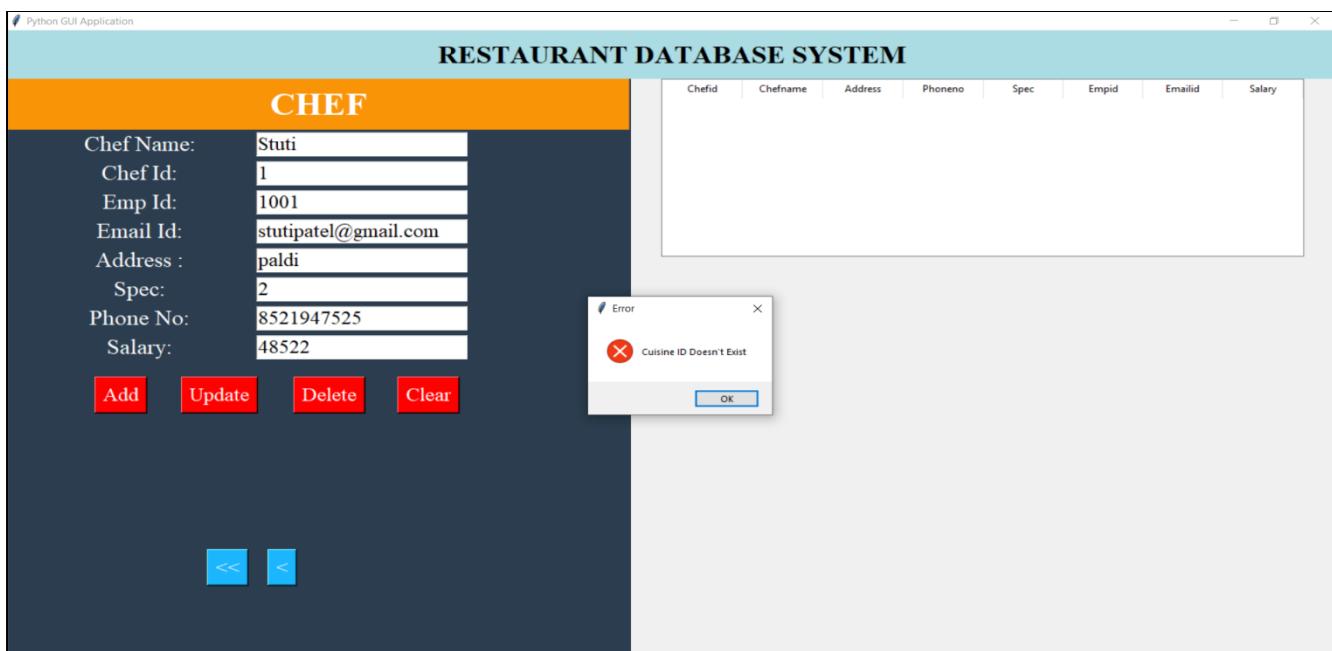
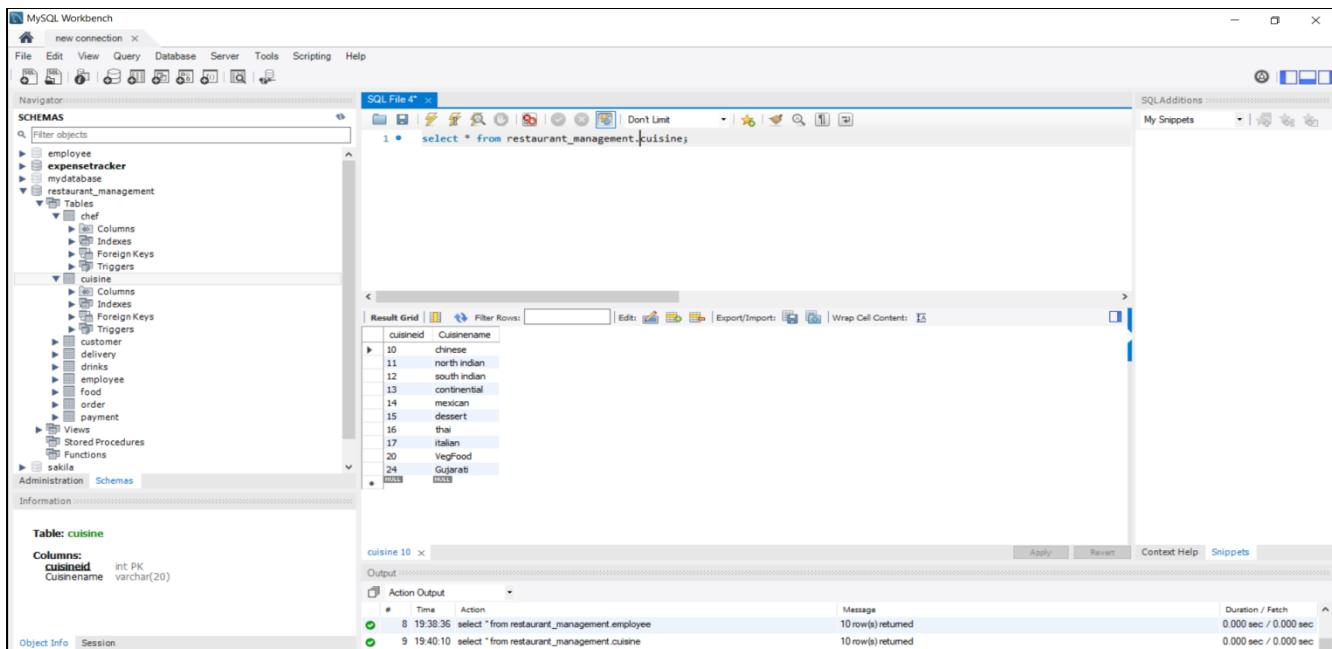
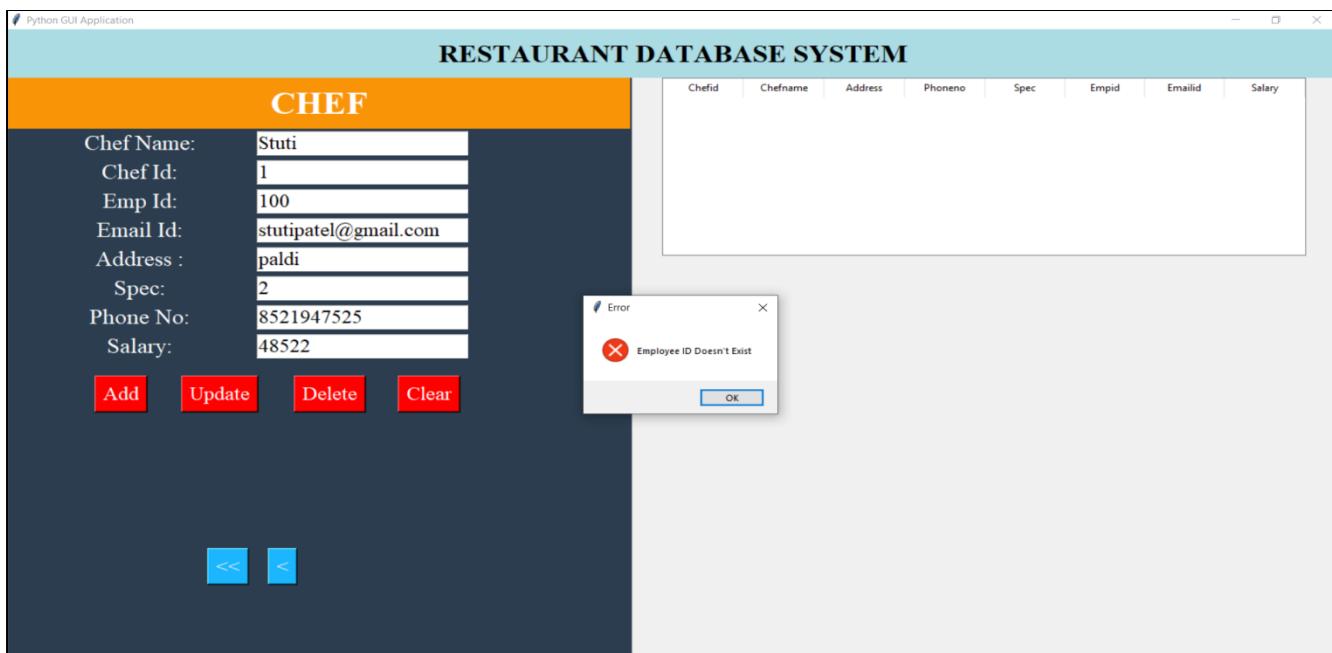
<< <

Error

Chef ID filed is missing

OK





Python GUI Application

### RESTAURANT DATABASE SYSTEM

CHEF								
Chef Name:	Stuti							
Chef Id:	1							
Emp Id:	1001							
Email Id:	stutipatel@gmail.com							
Address :	paldi							
Spec:	10							
Phone No:	8521947525							
Salary:	48522							
<a href="#">Add</a>	<a href="#">Update</a>	<a href="#">Delete</a>	<a href="#">Clear</a>					
<span style="border: 1px solid blue; padding: 2px">&lt;&lt;</span> <span style="border: 1px solid blue; padding: 2px">&lt;</span>								

Python GUI Application

### RESTAURANT DATABASE SYSTEM

CHEF								
Chef Name:	Stuti							
Chef Id:	1							
Emp Id:	1001							
Email Id:	stutipatel@gmail.com							
Address :	Ghatlodiya							
Spec:	10							
Phone No:	8521947525							
Salary:	48522							
<a href="#">Add</a>	<a href="#">Update</a>	<a href="#">Delete</a>	<a href="#">Clear</a>					
<span style="border: 1px solid blue; padding: 2px">&lt;&lt;</span> <span style="border: 1px solid blue; padding: 2px">&lt;</span>								

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

- [employee](#)
- [expeditracker](#)
- [food](#)
- [restaurant\\_management](#)
  - [Tables](#)
    - [chef](#)
      - [Columns](#)
      - [Indexes](#)
      - [Foreign Keys](#)
      - [Triggers](#)
    - [cuisine](#)
      - [Columns](#)
      - [Indexes](#)
      - [Foreign Keys](#)
      - [Triggers](#)
    - [customer](#)
    - [delivery](#)
    - [drinks](#)
    - [employee](#)
    - [food](#)
    - [order](#)
    - [payment](#)
  - [Views](#)
  - [Stored Procedures](#)
  - [Functions](#)

Administration Schemas Information

Table: [cuisine](#)

Columns:

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

Object Info Session

SQL File 4\* x

```
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 x

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							
Chef Name:	Stuti	Chef Id:	1	Emp Id:	1001	Email Id:	stutipatel@gmail.com
Address :	Ghatlodiya	Spec:	10	Phone No:	8521947525	Salary:	48522
<input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>							
<span style="font-size: 2em; color: blue;">&lt;&lt;</span> <span style="font-size: 2em; color: blue;">&lt;</span>							

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

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

Result Grid:

#	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

Object Info Session

Python GUI Application

### RESTAURANT DATABASE SYSTEM

CHEF							
Chef Name:	Stuti	Chef Id:	1	Emp Id:	1001	Email Id:	stutipatel@gmail.com
Address :	Ghatlodiya	Spec:	10	Phone No:	8521947525	Salary:	48522
<input type="button" value="Add"/> <input type="button" value="Update"/> <input type="button" value="Delete"/> <input type="button" value="Clear"/>							
<span style="font-size: 2em; color: blue;">&lt;&lt;</span> <span style="font-size: 2em; color: blue;">&lt;</span>							

# 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:

- chef
- cuisine
- customer
- delivery
- drink
- employee
- food
- order
- payment

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

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

Fname	Iname	custid	emailid	city	street	pincode	gender	phoneno	allergy
Karishna	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:

Did	int PK
Dename	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

Tables: employee, expensetracker, database, restaurant\_management

SQL File 4\*:

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

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	Audugodi	9840351234	M	40000
1002	deci	wasabi	deci@gmail.com	gumagir	9411746441	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	lh 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

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
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

Result Grid:

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

Object Info Session

Table: delivery

Columns:

Delid	Delname	custid	empid	delcharge	deldate
-------	---------	--------	-------	-----------	---------

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

### 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	1007	500	2021-05-12
15	Chinese	100	1009	8521	2021-04-27

### 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

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	1009	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: 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
------------	---------------	-------------	-------------	-----------------	---------------

# 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

Table: delivery

Columns:

DelId	int PK
DelName	varchar(20)
custid	int
empid	int
delcharge	int
deldate	date

Object Info Session

food 18 x

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

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**

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**

Foodid	Food Name	Price	Quantity	Cusine Id	Chef Id

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

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

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	1002	kahan@gmail.com	1000
3	Meet	paldi	9852163472	15	1009	meet@gmail.com	1526
5	Anvi	paldi	9512856352	18	1001	anvi@gmail.com	2036

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

- 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

Restaurant Management

## Food Details

Food Id:

Food Name:

Price:

Quantity:

Cusine Id:

Chef Id:

Add Update Delete Clear

<< <

Error: Chef ID Doesn't Exist

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

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

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

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

cuisined	Cuisinename
10	chinese
11	north indian
12	south indian
13	continental
14	american
15	desert
16	thai
17	italian
20	VegFood
24	Gujerati

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

- 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

**Restaurant Management**

### Food Details

Food Id:	66
Food Name:	Lasagne
Price:	950
Quantity:	2
Cusine Id:	9
Chef Id:	2

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

<<   <

**Error**

Cuisine ID Doesn't Exist

**Restaurant Management**

### Food Details

Food Id:	66
Food Name:	Lasagne
Price:	950
Quantity:	2
Cusine Id:	10
Chef Id:	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
66	Lasagne	950	2	10	2

**MySQL Workbench**

**SQL File 4\***

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

**Result Grid**

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	950	2	10	2

**Object Info**

**Session**

**Action Output**

- Time: 21 20:14:36 Action: select \* from restaurant\_management.chef Message: 3 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec
- Time: 22 20:14:46 Action: select \* from restaurant\_management.food Message: 5 row(s) returned Duration / Fetch: 0.000 sec / 0.000 sec

Restaurant Management

## 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  
OK

Restaurant Management

## 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: new connection x

Tables: chef, cuisine, customer, delivery, drink, employee, expense\_tracker, mysql, restaurant\_management

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), custid int, amnt int, delcharge int, deldate date

Object Info Session

Output: Action Output: # Time Action Message Duration / Fetch

- 22 2014:46 select \* from restaurant\_management.food 5 row(s) returned 0.000 sec / 0.000 sec
- 23 2016:03 select \* from restaurant\_management.food 5 row(s) returned 0.000 sec / 0.000 sec

**Restaurant Management**

### Food Details

Food Id:	66
Food Name:	Lasagne
Price:	1000
Quantity:	2
Cusine Id:	10
Chef Id:	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**

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

**SQL File 4\***

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

**Result Grid**

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

**Food 25**

**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

**Restaurant Management**

### Food Details

Food Id:	66
Food Name:	Lasagne
Price:	1000
Quantity:	2
Cusine Id:	10
Chef Id:	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

Navigator

SCHEMAS

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

SQL File 4\* x

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

Result Grid

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

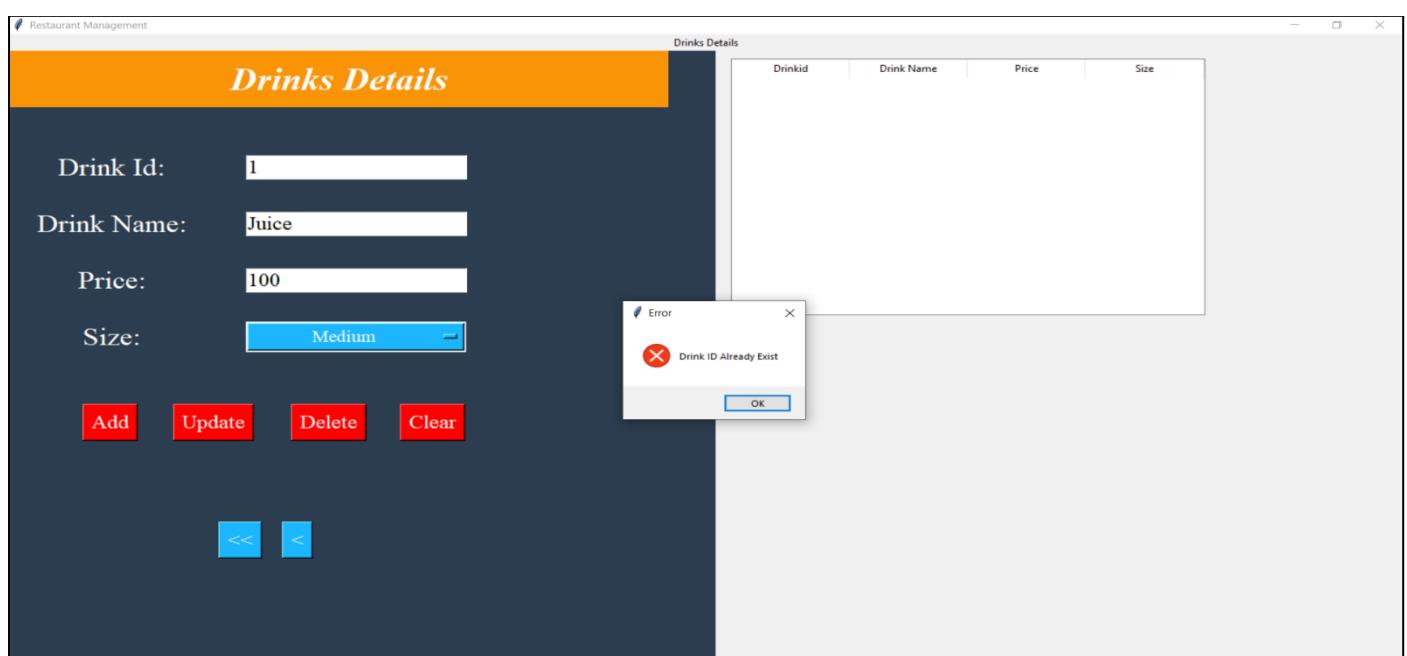
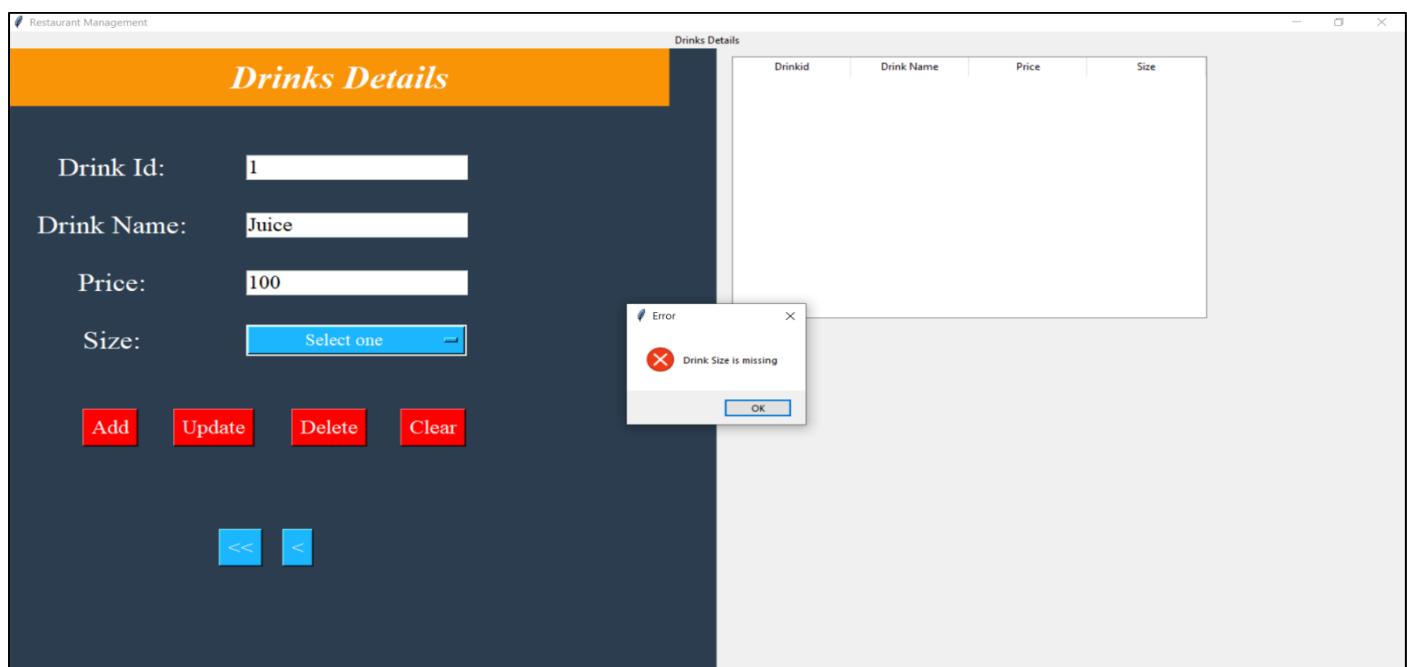
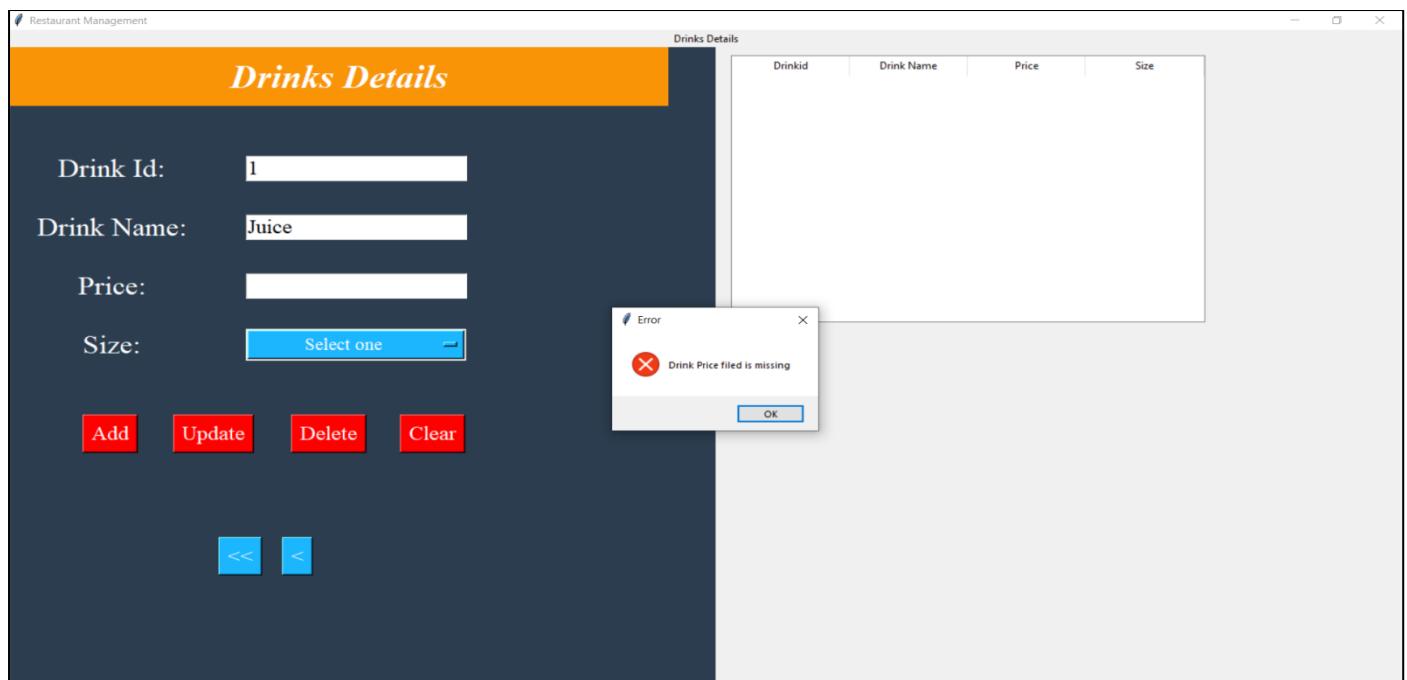
Columns:

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

drinks 26 x

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: SCHEMAS

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

SQL File 4\* | SQL Editor | SQL Snippets

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

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

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	Juice	100	Medium

Information: Table: delivery

Columns:

DelId	DelName	DelAddress	DelCity	DelState	DelZip	DelPhone	DelEmail
1	John Doe	123 Main St	New York	NY	10001	(123) 456-7890	john.doe@example.com
2	Jane Smith	456 Elm St	Los Angeles	CA	90001	(210) 555-1234	jane.smith@example.com
3	Mike Johnson	789 Oak St	Chicago	IL	60601	(312) 444-5555	mike.johnson@example.com
4	Sarah Davis	543 Pine St	Houston	TX	77001	(281) 555-2222	sarah.davis@example.com
5	David Wilson	987 Cedar St	Phoenix	AZ	85001	(480) 555-3333	david.wilson@example.com
6	Emily Parker	321 Birch St	Seattle	WA	98101	(206) 555-4444	emily.parker@example.com
7	Joshua Lee	654 Maple St	Boston	MA	02101	(617) 555-5555	joshua.lee@example.com
8	Karen Green	234 Spruce St	Nashville	TN	37201	(615) 555-6666	karen.green@example.com
9	Matthew White	876 Chestnut St	Philadelphia	PA	19101	(215) 555-7777	matthew.white@example.com
10	Sarah Williams	456 Cedar St	Portland	ME	04101	(207) 555-8888	sarah.williams@example.com
11	David Thompson	789 Elm St	San Francisco	CA	94101	(415) 555-9999	david.thompson@example.com
12	Karen Parker	543 Birch St	Las Vegas	NV	89101	(702) 555-0000	karen.parker@example.com
13	Matthew Green	321 Chestnut St	Phoenix	AZ	85001	(480) 555-1111	matthew.green@example.com
14	Sarah White	654 Elm St	Seattle	WA	98101	(206) 555-2222	sarah.white@example.com
15	David Parker	234 Birch St	Boston	MA	02101	(617) 555-3333	matthew.parker@example.com
16	Karen Thompson	876 Chestnut St	Nashville	TN	37201	(615) 555-4444	karen.thompson@example.com
17	Matthew Green	543 Elm St	Philadelphia	PA	19101	(215) 555-5555	matthew.green@example.com
18	Sarah White	321 Birch St	Portland	ME	04101	(207) 555-6666	sarah.white@example.com
19	David Parker	654 Chestnut St	San Francisco	CA	94101	(415) 555-7777	matthew.parker@example.com
20	Karen Thompson	234 Elm St	Las Vegas	NV	89101	(702) 555-8888	karen.thompson@example.com

Action Output:

#	Time	Action	Message	Duration / Fetch
25	2020-09-25 10:20:59	select * from restaurant_management.drinks	15 row(s) returned	0.031 sec / 0.000 sec
26	2020-09-25 10:20:59	select * from restaurant_management.drinks	16 row(s) returned	0.000 sec / 0.000 sec

Object Info Session

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

SCHEMAS

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

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

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	Foccai	100	Large
17	Coffee Mocha	120	Medium
18	Coffee Mocha	150	Large
19	Cold Drink	120	Large
20	MocaCoco	100	Medium

Information: delivery

Table: delivery

Columns:

DelId	int PK
DelName	varchar(20)
custid	int
ordid	int
delcharge	int
deldate	date

Action Output: # Time Action Message Duration / Fetch

26 20:23:31 select \* from restaurant\_management.drinks 16 row(s) returned 0.000 sec / 0.000 sec

27 20:24:08 select \* from restaurant\_management.drinks 16 row(s) returned 0.016 sec / 0.000 sec

Object Info Session

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	Foccai	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

SCHEMAS

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

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

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	Foccai	100	Large
17	Coffee Mocha	120	Medium
18	Coffee Mocha	150	Large
19	Cold Drink	120	Large

Information: delivery

Table: delivery

Columns:

DelId	int PK
DelName	varchar(20)
custid	int
ordid	int
delcharge	int
deldate	date

Action Output: # Time Action Message Duration / Fetch

27 20:24:08 select \* from restaurant\_management.drinks 16 row(s) returned 0.016 sec / 0.000 sec

28 20:24:36 select \* from restaurant\_management.drinks 15 row(s) returned 0.000 sec / 0.000 sec

Object Info Session

# CUISINE:

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 'Query' tab is active, displaying the SQL command: `select * from restaurant_management.cuisine;`. The results grid shows the following data:

cuisineid	Cuisinename
10	chinese
11	north indian
12	south indian
13	continental
14	mexican
15	dessert
16	thai
17	italian
20	VegFood
24	General
25	Asian

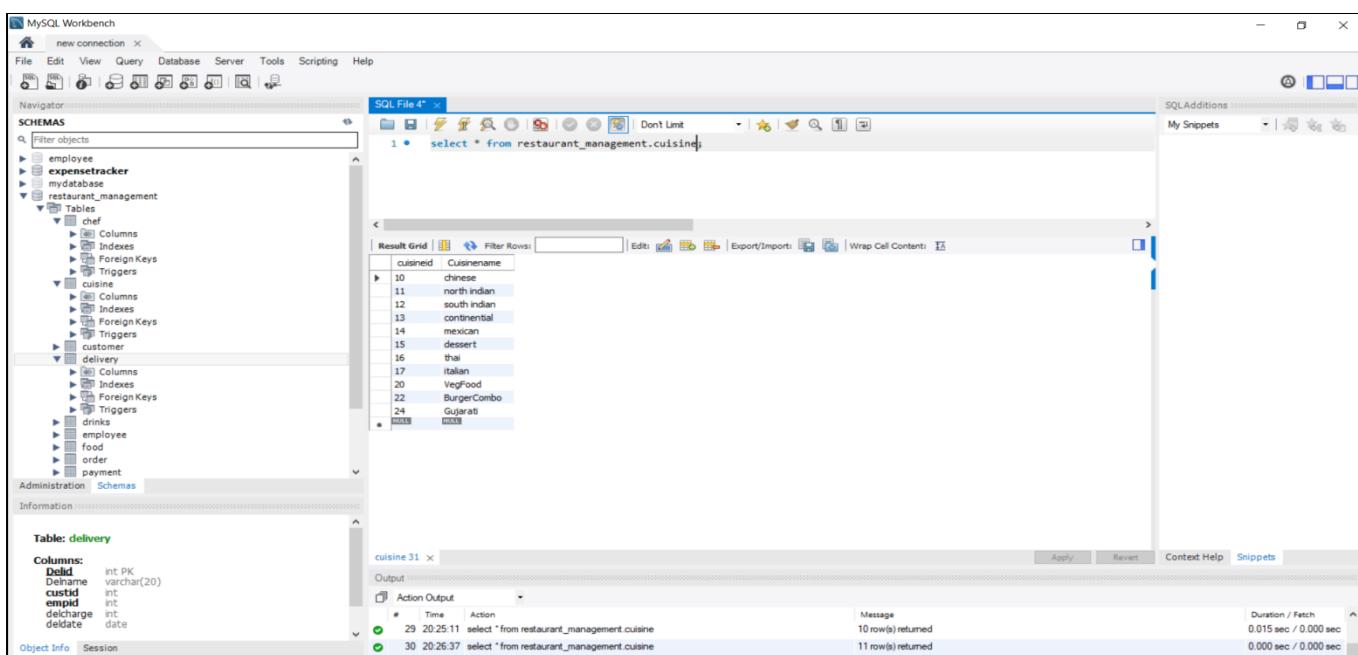
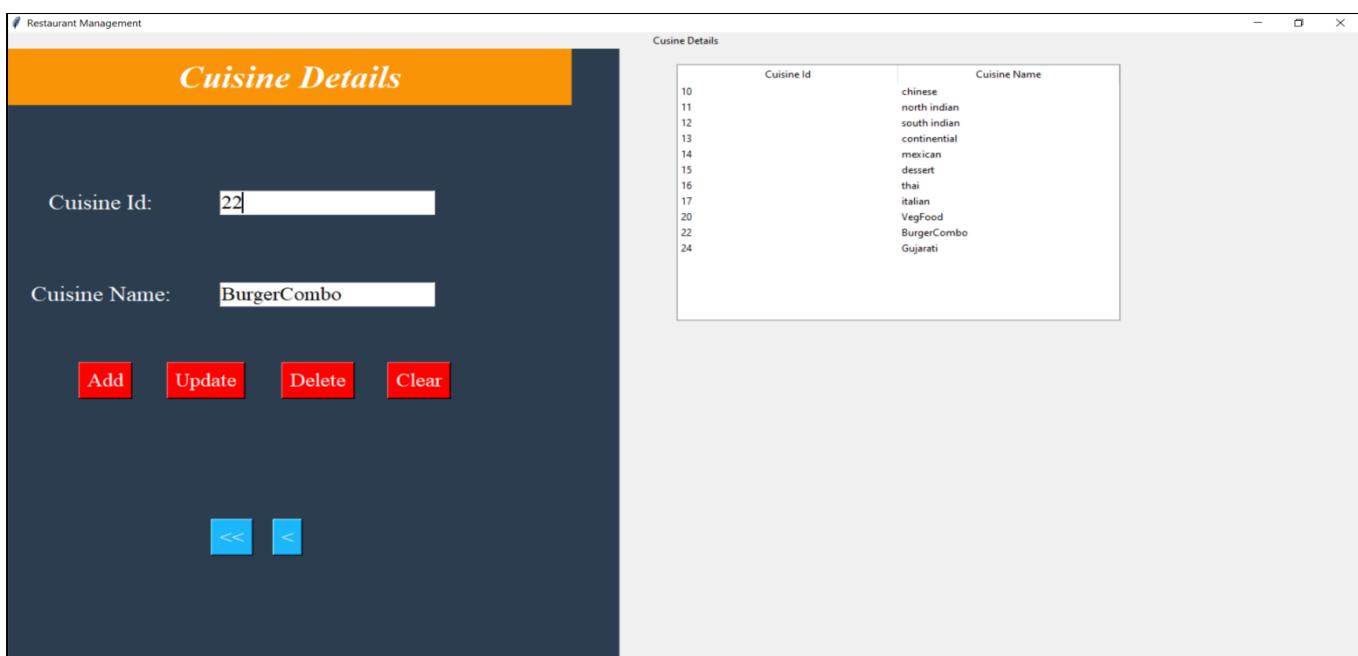
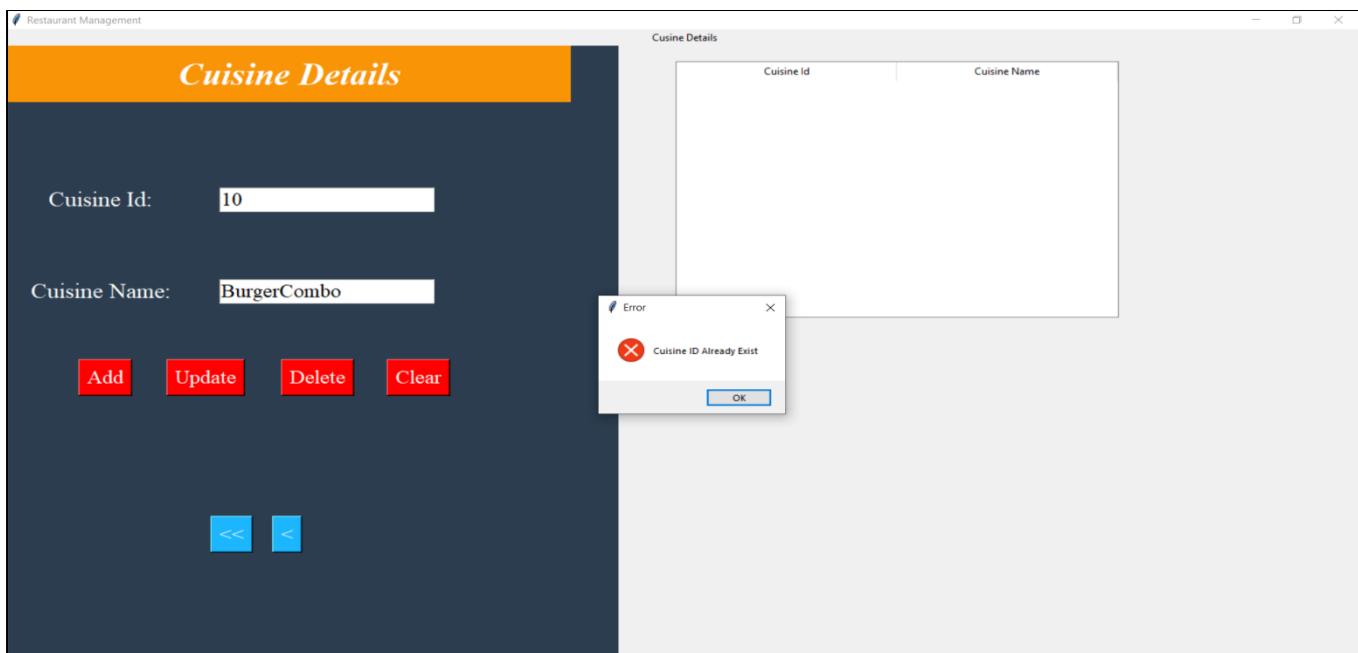
Below the results grid, the 'Object Info' and 'Session' panes are visible. The 'Object Info' pane shows the structure of the 'delivery' table:

Columns	DeliId	int PK
Delivename	varchar(20)	
custid	int	
empid	int	
delcharge	int	
deldate	date	

The 'Session' pane shows the following log entries:

Action Output	#	Time	Action	Message	Duration / Fetch
28	20:24:36	select * from restaurant_management.drinks	15 row(s) returned	0.000 sec / 0.000 sec	
29	20:25:11	select * from restaurant_management.cuisine	10 row(s) returned	0.015 sec / 0.000 sec	

The screenshot shows a Windows application window titled 'Restaurant Management'. The main title bar is orange with the text 'Cuisine Details'. The application has a dark blue background. On the left side, there are two input fields: 'Cuisine Id:' with a text input box and 'Cuisine Name:' with a text input box. Below these fields are four red buttons labeled 'Add', 'Update', 'Delete', and 'Clear'. At the bottom left, there are two blue navigation buttons: '<<' and '<'. On the right side, there is a grid titled 'Cusine Details' with columns 'Cuisine Id' and 'Cuisine Name'. The grid currently displays no data.



Restaurant Management

## Cuisine Details

Cuisine Id:

Cuisine Name:

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

<< <

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

Schemas

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

Administration Schemas

Information

Table: delivery

Columns:

DeliId	int PK
DeName	varchar(20)
comppid	int
empid	int
delcharge	int
deldate	date

Action Output

Output

Object Info Session

SQL File 4\*

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

Result Grid

cusineid	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

Message

Duration / Fetch

11 row(s) returned 0.000 sec / 0.000 sec

11 row(s) returned 0.000 sec / 0.000 sec

SQLAdditions My Snippets

Restaurant Management

## Cuisine Details

Cuisine Id:

Cuisine Name:

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

<< <

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

SQL File 4\* | 1 • select \* from restaurant\_management.cuisine;

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: delivery

Columns:

Delid	int PK
Delename	varchar(20)
custid	int
empid	int
delcharge	int
deldate	date

Action 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

# ORDER:

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

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

SQL File 4\* | 1 • select \* from restaurant\_management.order;

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

Table: delivery

Columns:

Delid	int PK
Delename	varchar(20)
custid	int
empid	int
delcharge	int
deldate	date

Action 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

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;

foodid	foodname	price	quantity	cuisin eid	chefid
61	Maggie	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

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

Table: delivery

Columns: Delid, Delename, custid, empid, delcharge, deldate

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

Object Info Session

Python GUI Application

### Order details

Order Id:

Total Cost:

Food Id:

Drink Id:

Delivery Id:

Add Update Delete Clear

<< <

Separating widget

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

Error

Food ID Doesn't Exist

OK

A screenshot of the MySQL Workbench interface. The left sidebar shows the 'SCHEMAS' tree with the 'restaurant\_management' schema selected. Under 'Tables', the 'delivery' table is expanded, showing its columns: Delid, Delname, custid, empid, delcharge, and deldate. The main workspace displays the 'Result Grid' for the query 'select \* from restaurant\_management.delivery;'. The grid contains four rows of data: 10 (PunjabiContinental), 11 (Mexican), 15 (Chinese), and a blank row. The bottom right corner shows the 'Object Info' tab is active.

The screenshot shows a Python GUI application window titled "Python GUI Application". The main title bar has standard window controls. The application interface is divided into sections:

- Order details:** A header in an orange bar.
- Input Fields:** Five text input fields for Order Id (104), Total Cost (820), Food Id (62), Drink Id (2), and Delivery Id (2).
- Action Buttons:** Four red buttons labeled "Add", "Update", "Delete", and "Clear".
- Separating widget:** A vertical separator bar with the label "Separating widget" above it.
- Table:** A table with columns: Order Id, Total Cost, Food Id, Drink Id, and Delivery Id. It currently contains one row of data.
- Error Dialog:** A modal dialog box titled "Error" with the message "Delivery ID Doesn't Exist" and an "OK" button.

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: new connection

SCHEMAS: Filter objects

- employee
- expenses\_tracker
- orders
- 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

Table: delivery
 

Delid	Delname	custid	ordid	delcharge	deldate

order 44 x
 

#	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

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
Delename	varchar(20)
custid	int
empid	int
delcharge	int
deldate	date

SQL File 4\* x

```
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	6320	62	2	15
•	HULL	HULL	HULL	HULL

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

<< <

Separating widget

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
Delename	varchar(20)
custid	int
empid	int
delcharge	int
deldate	date

SQL File 4\* x

```
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	6320	62	2	15
•	HULL	HULL	HULL	HULL

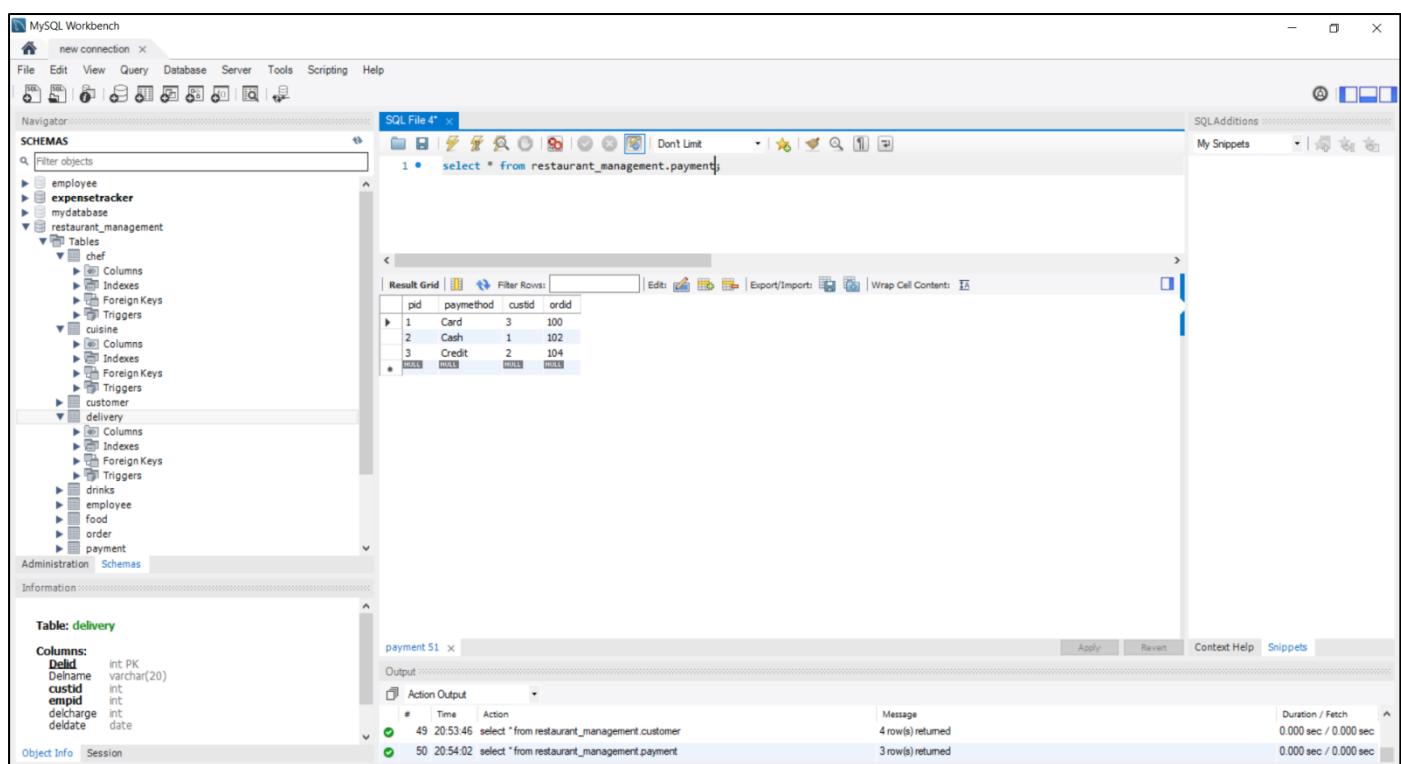
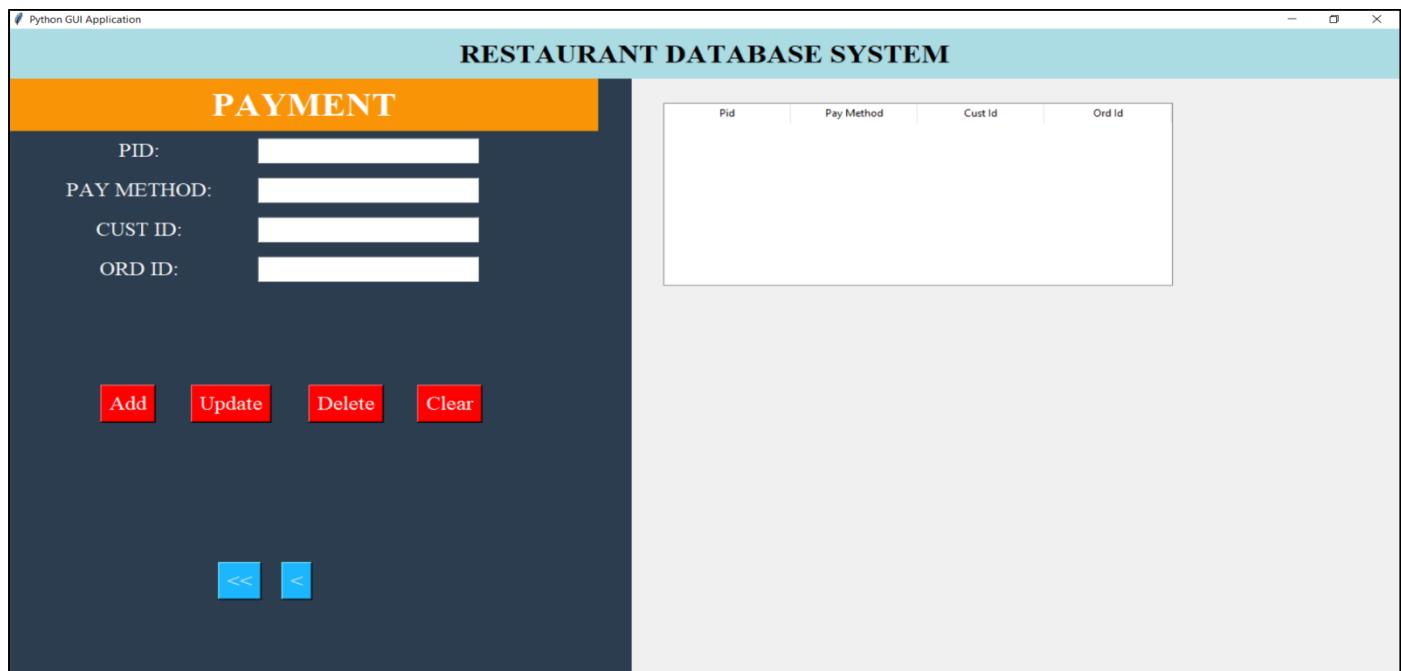
order 46 x

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

An error dialog box is displayed: **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

An error dialog box is displayed: **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

An error dialog box is displayed: **Error** Customer ID Doesn't Exist OK

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS

- employee
- exptracker
- 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	stutipat@gmail.com	Rajkot	Sola	789564	F	7849562347	Null
Kruti	Pandy	100	kruti@gmail.com	Ahmedabad	paldi	380007	F	9512990798	Null

Information

Table: delivery

Columns:

Deldid	Delname	Delempid	Delcharge	Deldate
int PK	varchar(20)	int	int	date

Object Info Session

Python GUI Application

# RESTAURANT DATABASE SYSTEM

## PAYMENT

PID:

PAY METHOD:

CUST ID:

ORD ID:

Add Update Delete Clear

<< <

Action Output

Pid	Pay Method	Cust Id	Ord Id

Error

Order ID Doesn't Exist

OK

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: Schemas

SCHEMAS

- employee
- exptracker
- 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	Deldid
100	1000	61	1	10
102	600	63	6	10
103	1500	65	6	15
104	6320	62	2	15

Information

Table: delivery

Columns:

Deldid	Delname	Delempid	Delcharge	Deldate
int PK	varchar(20)	int	int	date

Object Info Session

order 52\*

Action Output

Time	Action	Message	Duration / Fetch
50	20:54:02	select * from restaurant_management.payment	0.000 sec / 0.000 sec
51	20:56:34	select * from restaurant_management.order	0.000 sec / 0.000 sec

Python GUI Application

# RESTAURANT DATABASE SYSTEM

## PAYMENT

PID:	4
PAY METHOD:	Cash
CUST ID:	100
ORD ID:	102

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

Add    Update    Delete    Clear

<<    <

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 (with tables like employee, expense\_tracker, mydatabase, and restaurant\_management), and Administration (with Schemas). The main area shows a SQL editor titled "SQL File 4" with the query: "select \* from restaurant\_management.payment;". Below the editor is a Result Grid showing the following data:

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

At the bottom, a timeline shows two events: "payment 53" at 20:56:34 and "payment 54" at 20:57:10. The timeline also indicates a duration of 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	100	102
3	Credit	2	104
4	Cash	100	102

MySQL Workbench

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Tables: delivery

Columns:

DelId	int PK
DeName	varchar(20)
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

Result Grid:

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

# 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

File Edit View Query Database Server Tools Scripting Help

Navigator: SCHEMAS

Tables: delivery

Columns:

DelId	int PK
DeName	varchar(20)
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

Result Grid:

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