DBMS Mini Project

Restaurant Management System

Team Members:

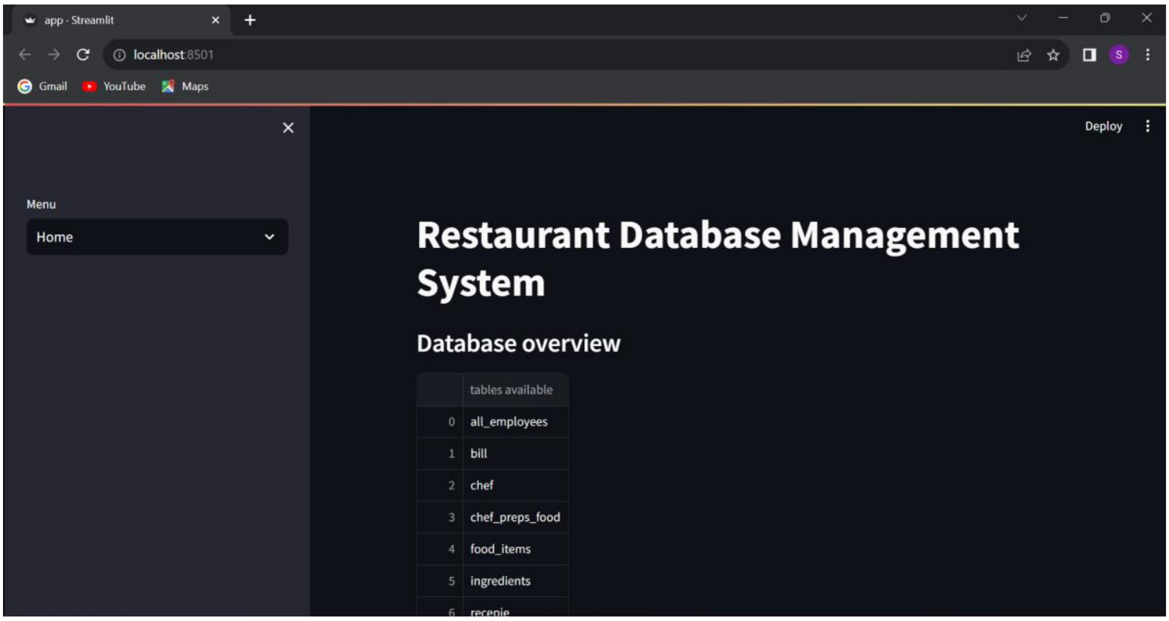
Sowmesh Sharma H M (PES1UG21CS609)

Shubh Kanodia (PES1UG21CS587)

Section: Sem 5, CSE J.

Output:

1) HomePage:



Menu

Home

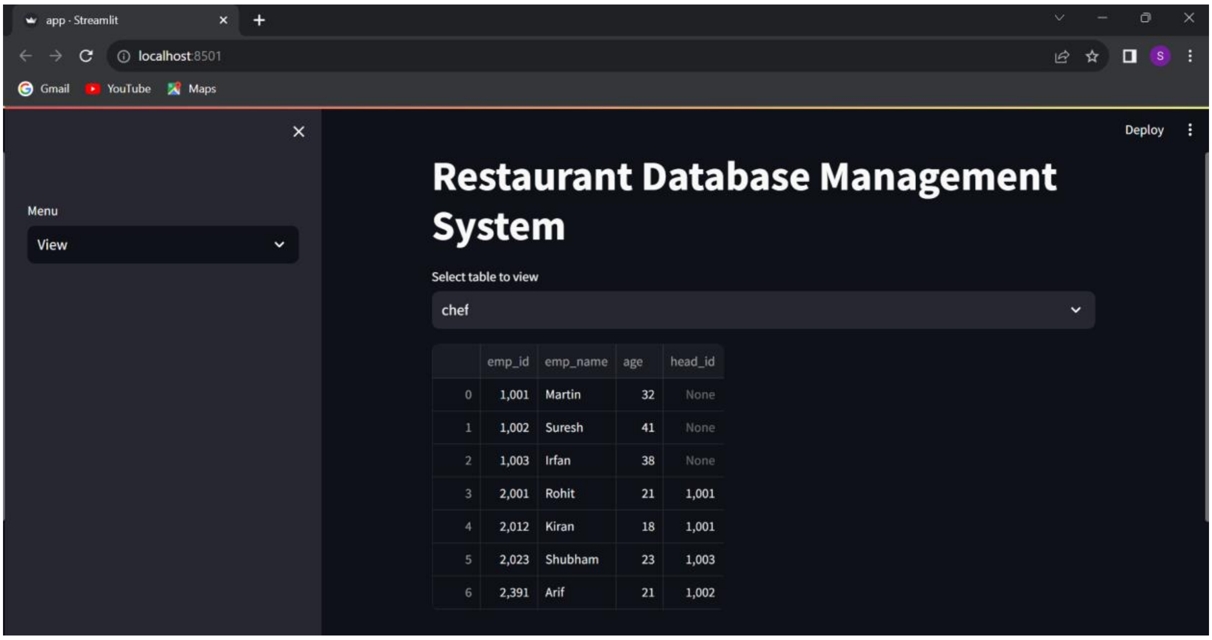
Restaurant Database Management System

Database overview

	tables available
0	all_employees
1	bill
2	chef
3	chef_preps_food
4	food_items
5	ingredients
6	recepie

2) View:

1. chef:



Menu

View

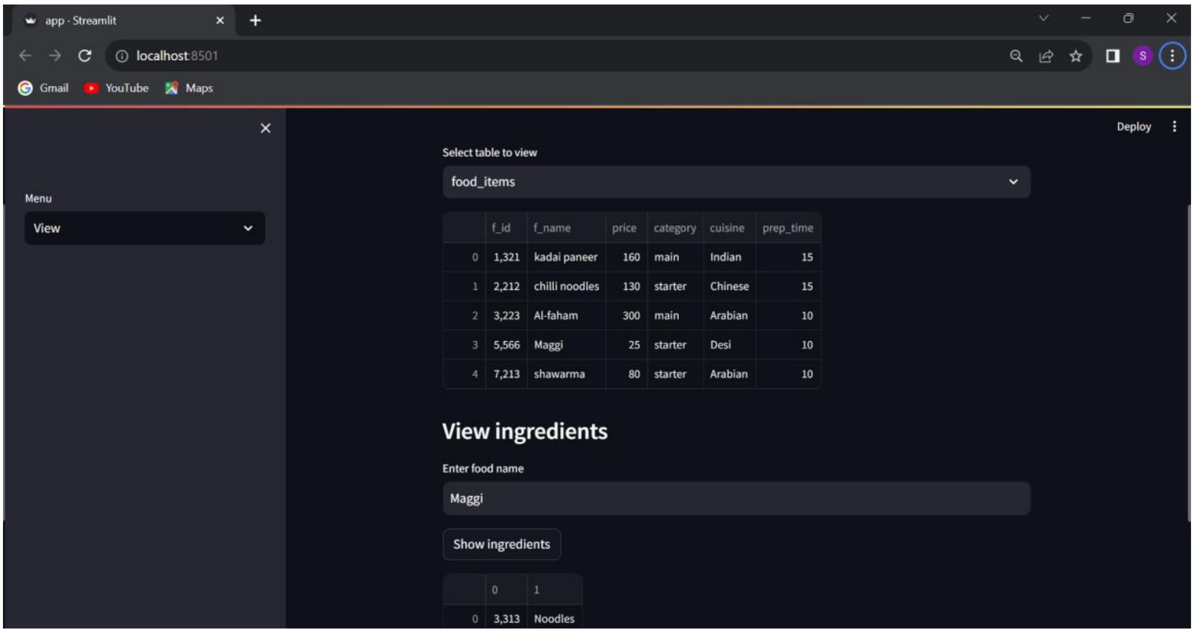
Restaurant Database Management System

Select table to view

chef

	emp_id	emp_name	age	head_id
0	1,001	Martin	32	None
1	1,002	Suresh	41	None
2	1,003	Irfan	38	None
3	2,001	Rohit	21	1,001
4	2,012	Kiran	18	1,001
5	2,023	Shubham	23	1,003
6	2,391	Arif	21	1,002

2. food_items:



Menu

View

Select table to view

food_items

	f_id	f_name	price	category	cuisine	prep_time
0	1,321	kadai paneer	160	main	Indian	15
1	2,212	chilli noodles	130	starter	Chinese	15
2	3,223	Al-faham	300	main	Arabian	10
3	5,566	Maggi	25	starter	Desi	10
4	7,213	shawarma	80	starter	Arabian	10

View ingredients

Enter food name

Maggi

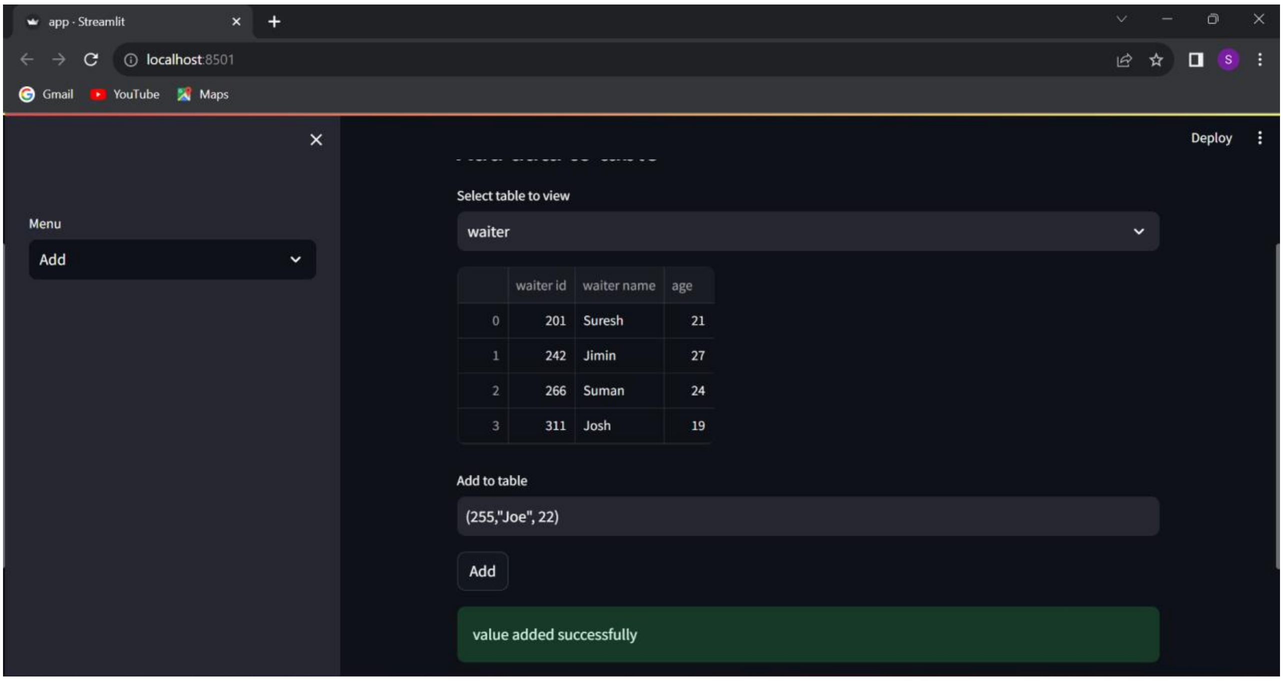
Show ingredients

	0	1
0	3,313	Noodles

#custom view for food_items table

3) Add:

*add waiter "Joe" with waiter id 255, age=22.



Menu

Add

Select table to view

waiter

	waiter id	waiter name	age
0	201	Suresh	21
1	242	Jimin	27
2	266	Suman	24
3	311	Josh	19

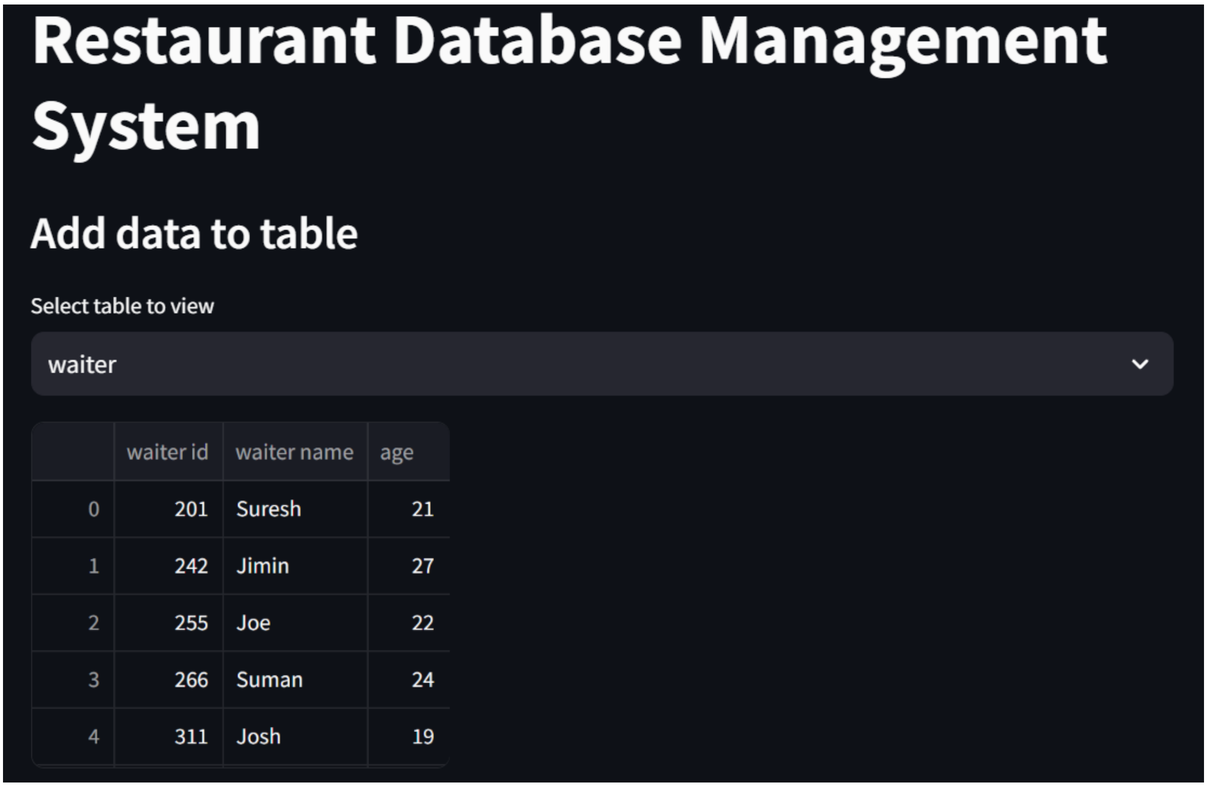
Add to table

(255,"Joe", 22)

Add

value added successfully

*Reflected table:



Restaurant Database Management System

Add data to table

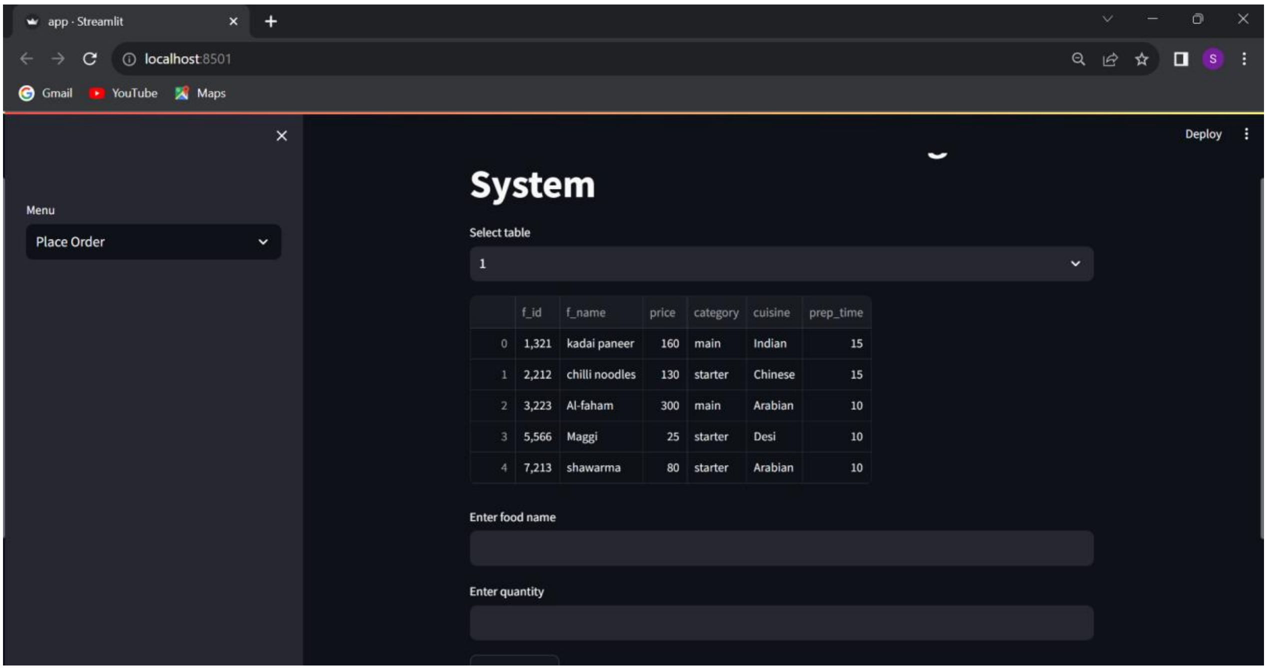
Select table to view

waiter

	waiter id	waiter name	age
0	201	Suresh	21
1	242	Jimin	27
2	255	Joe	22
3	266	Suman	24
4	311	Josh	19

4) Place order:

*Screen:



Menu

Place Order

System

Select table

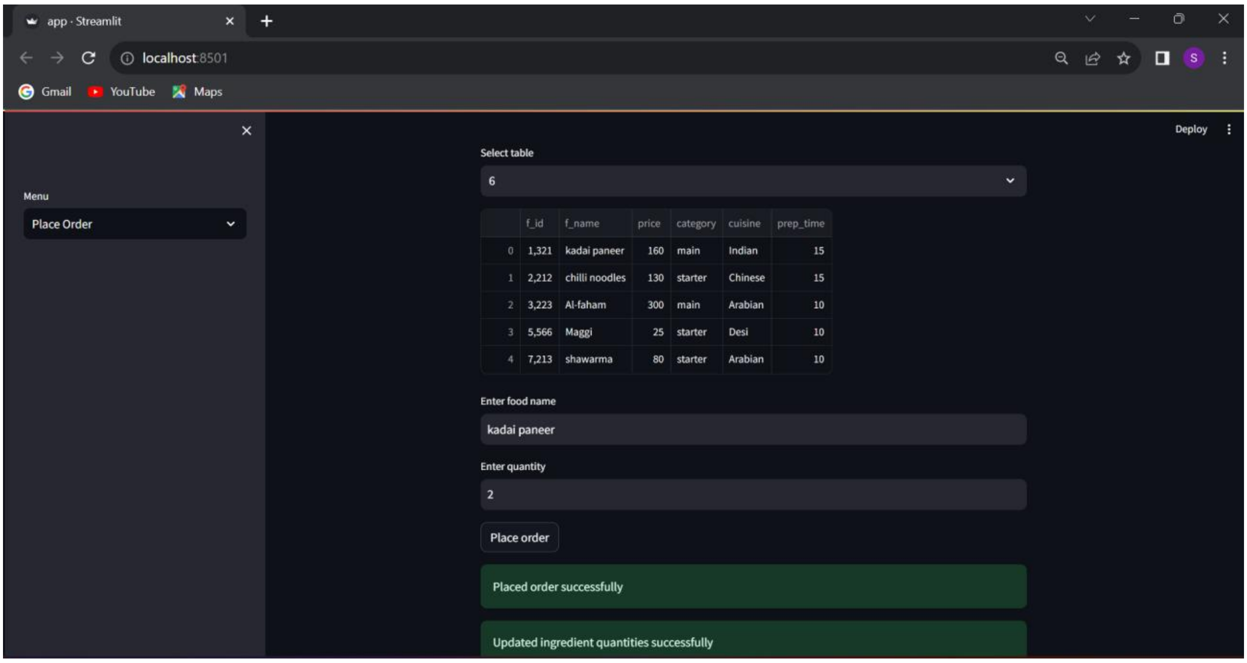
1

	f_id	f_name	price	category	cuisine	prep_time
0	1,321	kadai paneer	160	main	Indian	15
1	2,212	chilli noodles	130	starter	Chinese	15
2	3,223	Al-faham	300	main	Arabian	10
3	5,566	Maggi	25	starter	Desi	10
4	7,213	shawarma	80	starter	Arabian	10

Enter food name

Enter quantity

*placing the order on table 6 for kadai paneer:



Select table

6

	f_id	f_name	price	category	cuisine	prep_time
0	1,321	kadai paneer	160	main	Indian	15
1	2,212	chilli noodles	130	starter	Chinese	15
2	3,223	Al-faham	300	main	Arabian	10
3	5,566	Maggi	25	starter	Desi	10
4	7,213	shawarma	80	starter	Arabian	10

Enter food name

kadai paneer

Enter quantity

2

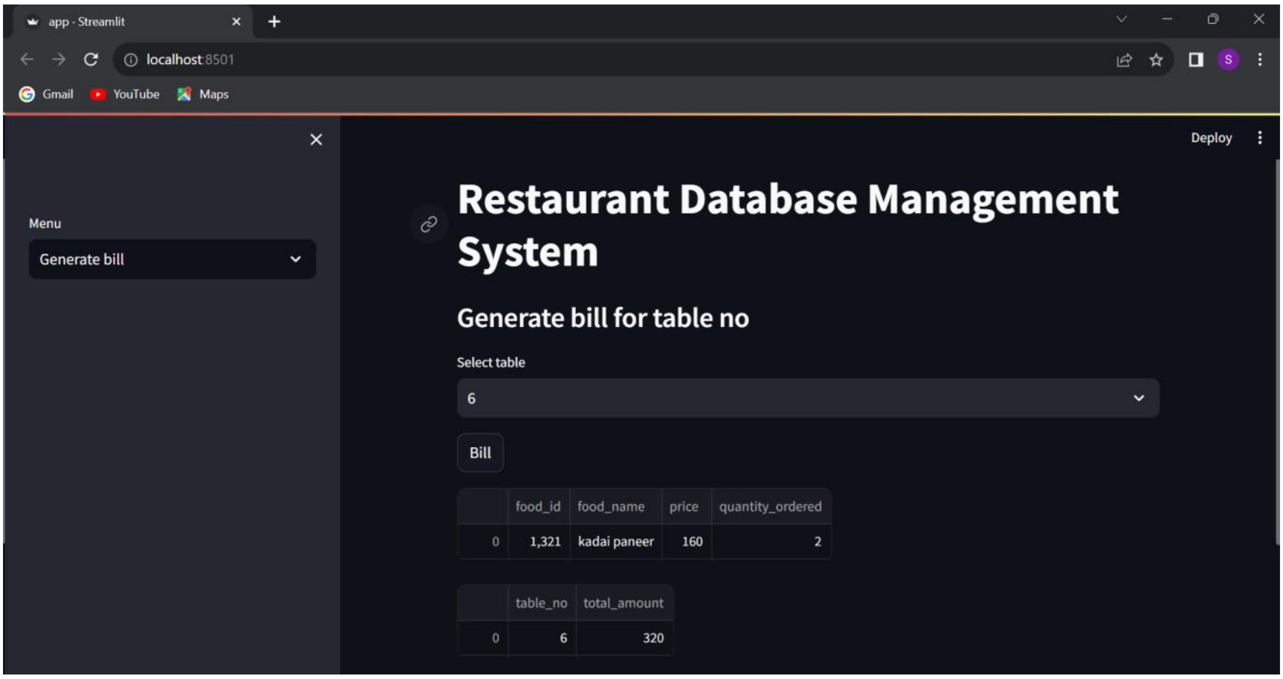
Place order

Placed order successfully

Updated ingredient quantities successfully

#ingredients table have been updated successfully using a procedure(in which we use a cursor);
Also the table is now reserved and can be billed. (reserved=1). This is done using a trigger.

5) Generate bill:



Restaurant Database Management System

Generate bill for table no

Select table

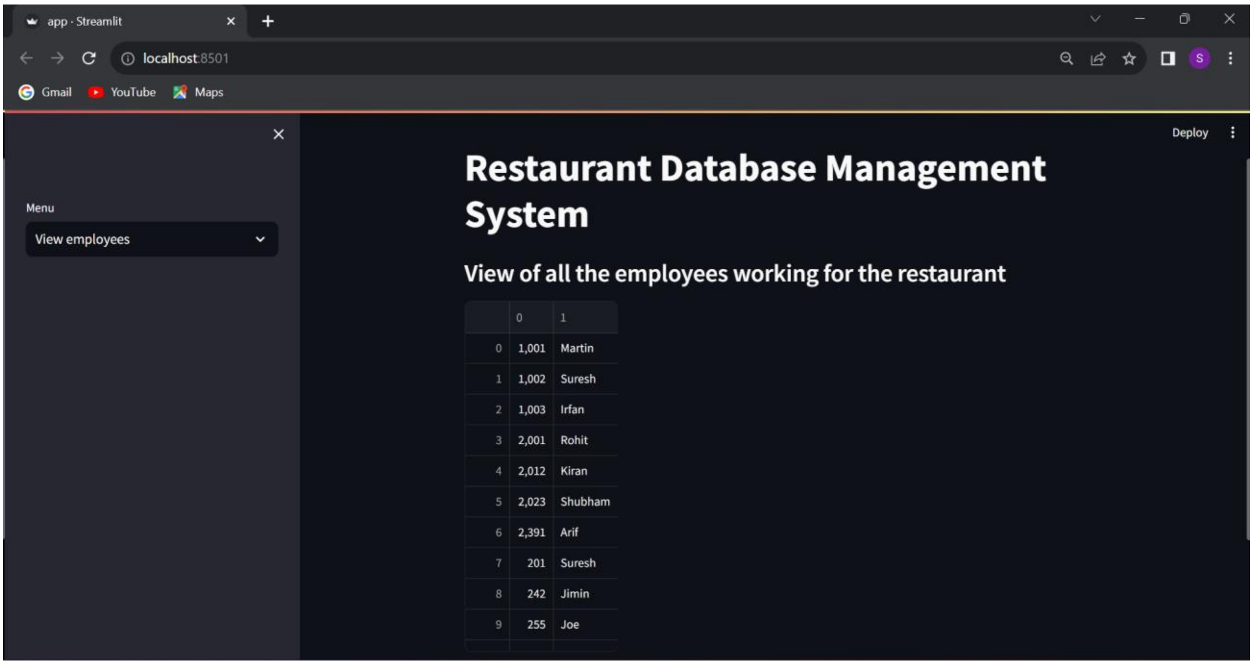
6

Bill

	food_id	food_name	price	quantity_ordered
0	1,321	kadai paneer	160	2

	table_no	total_amount
0	6	320

6) View All employees:



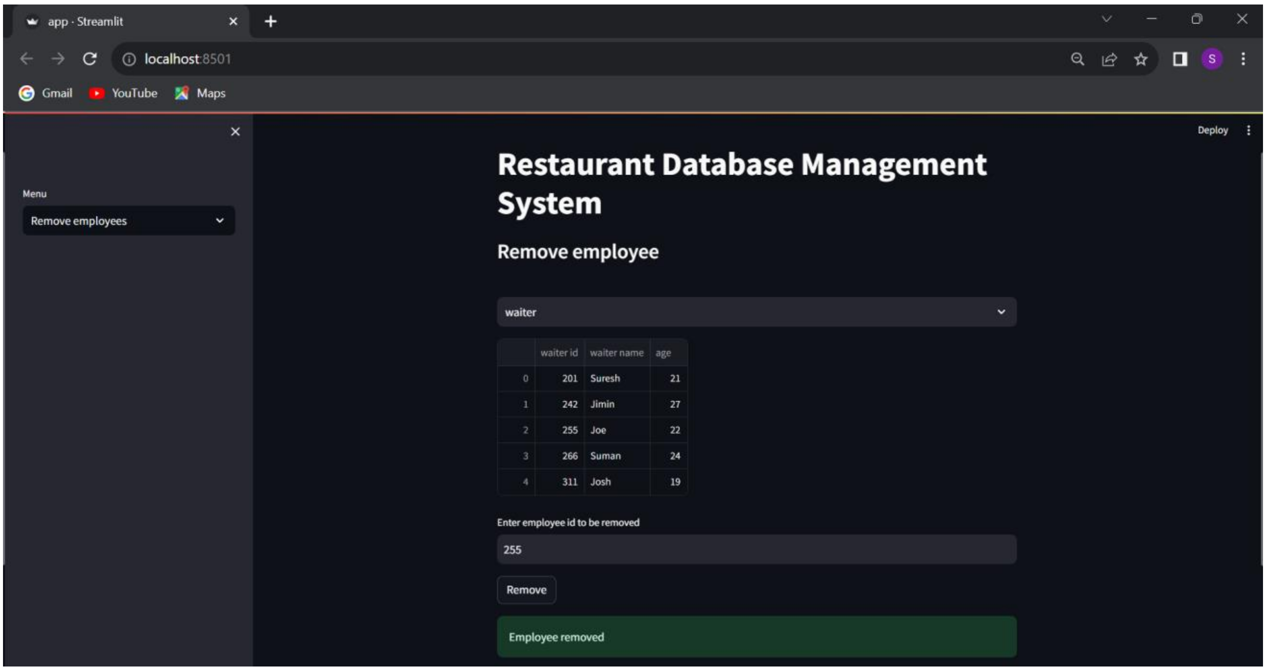
Menu: View employees

Restaurant Database Management System

View of all the employees working for the restaurant

	0	1
0	1,001	Martin
1	1,002	Suresh
2	1,003	Irfan
3	2,001	Rohit
4	2,012	Kiran
5	2,023	Shubham
6	2,391	Arif
7	201	Suresh
8	242	Jimin
9	255	Joe

7) Remove employees:



Menu: Remove employees

Restaurant Database Management System

Remove employee

waiter

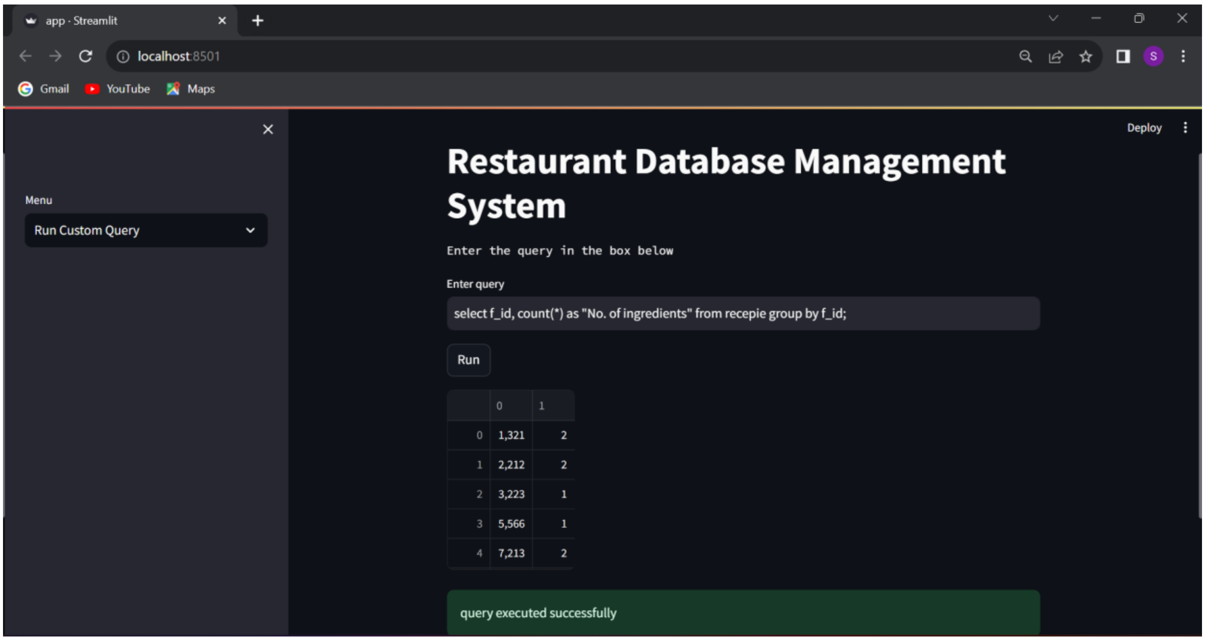
	waiter id	waiter name	age
0	201	Suresh	21
1	242	Jimin	27
2	255	Joe	22
3	266	Suman	24
4	311	Josh	19

Enter employee id to be removed: 255

Employee removed

8) Custom Query Engine with UI:

To count the number of ingredients required for each dish : dish_id vs no_ingr:



Menu: Run Custom Query

Restaurant Database Management System

Enter the query in the box below

Enter query

```
select f_id, count(*) as "No. of ingredients" from recepie group by f_id;
```

Run

	0	1
0	1,321	2
1	2,212	2
2	3,223	1
3	5,566	1
4	7,213	2

query executed successfully

Key Takeaways from project:

This project was very fruitful for us as we learnt various aspects of mysql, how multiple CRUD operations work in a database along with functions and triggers and how the knowledge of these concepts can be leveraged to build an end-to-end restaurant management system, it also taught us how the ACID properties are relevant when we are building a real world project like this, moreover we also learnt how to connect mysql to python and build a user interface using Streamlit.