

COMPUTER SCIENCE

PROJECT FILE

Submitted by

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of

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Class. XII-A

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COMPUTER SCIENCE PRACTICAL

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CERTIFICATE

This is to certify that **BHAVESH GUPTA**, student of class
XII-A has successfully completed the project
RESTAURANT MANAGEMENT SYSTEM during the
academic year 2020-21 in partial fulfilment of **COMPUTER**
SCIENCE practical examination conducted by **All India**
Senior School certificate Examination, New Delhi, India.

ACKNOWLEDGEMENT

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I would also thank my principal **Mr. Vincent Ashish Moses**

I would also like to thank my parents for encouraging me during the course of the project.

Finally, I would also like to thank **CBSE** for giving me this opportunity to undertake this project.

INDEX

<u>S.No.</u>	<u>Contents</u>	<u>Page No.</u>
1	Abstract	01
2	Description of Project	02
3	Use Case Diagram	03
4	ER Diagram	04
5	System Requirements	05
6	Python Code	06
7	Execution of different functionalities	19
8	Bibliography	33
9	Conclusion	34

ABSTRACT

This project is named as 'Restaurant Management System' which aims at providing an easy interface to manage the restaurant menu, records, and orders database online. This program makes managing the restaurant easier, by providing features and facilities such as menu display, ordering and cost of an order and order confirmation followed by appending the order details into a database. It also allows the employees to be able to make changes into the menu table like adding dishes as well as view all the records .

DESCRIPTION OF PROJECT

This project allows an optimum management of a restaurant and provides facilities to both the restaurant admin and customer.

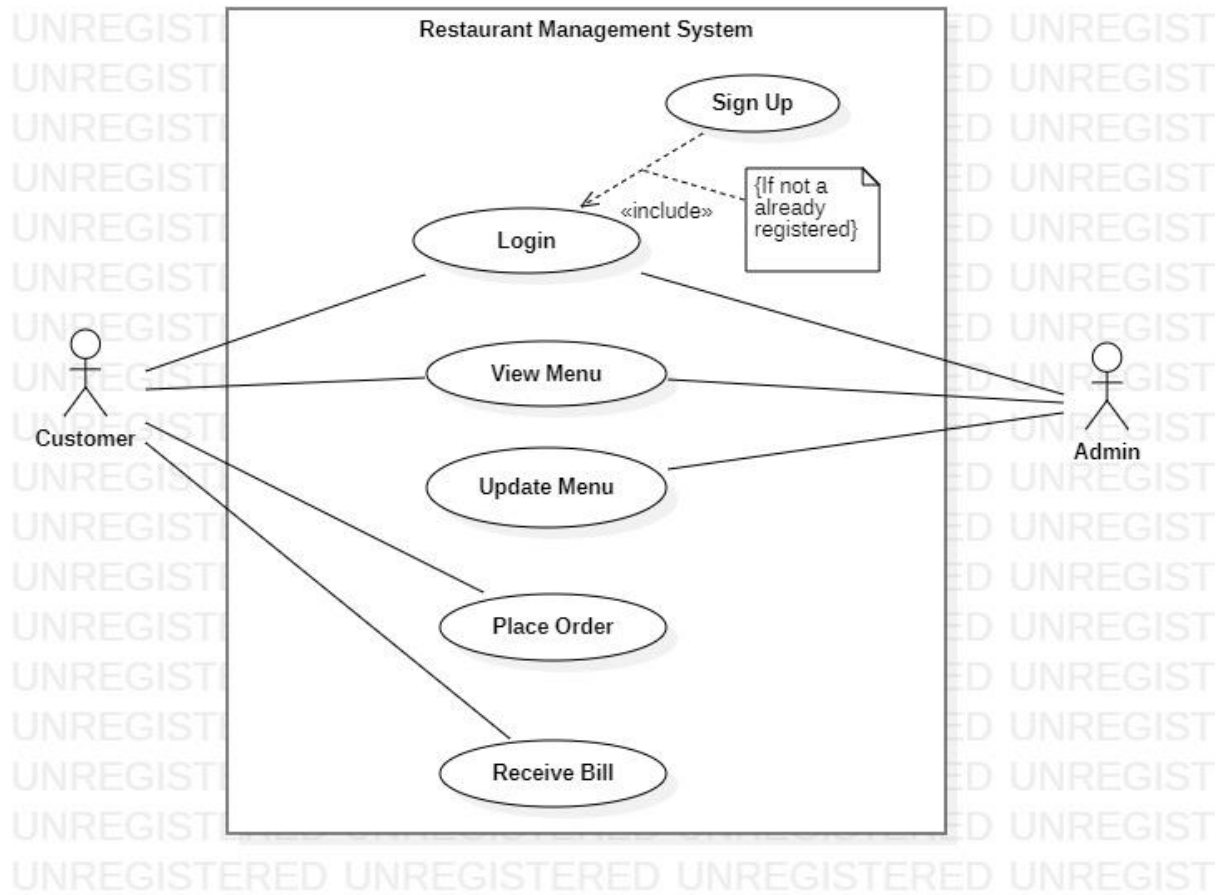
Restaurant admin:-

1. Can view all the databases such as the menu table, Customer details Table and the Order table.
2. Can add items to the menu.
3. Can delete items from the menu

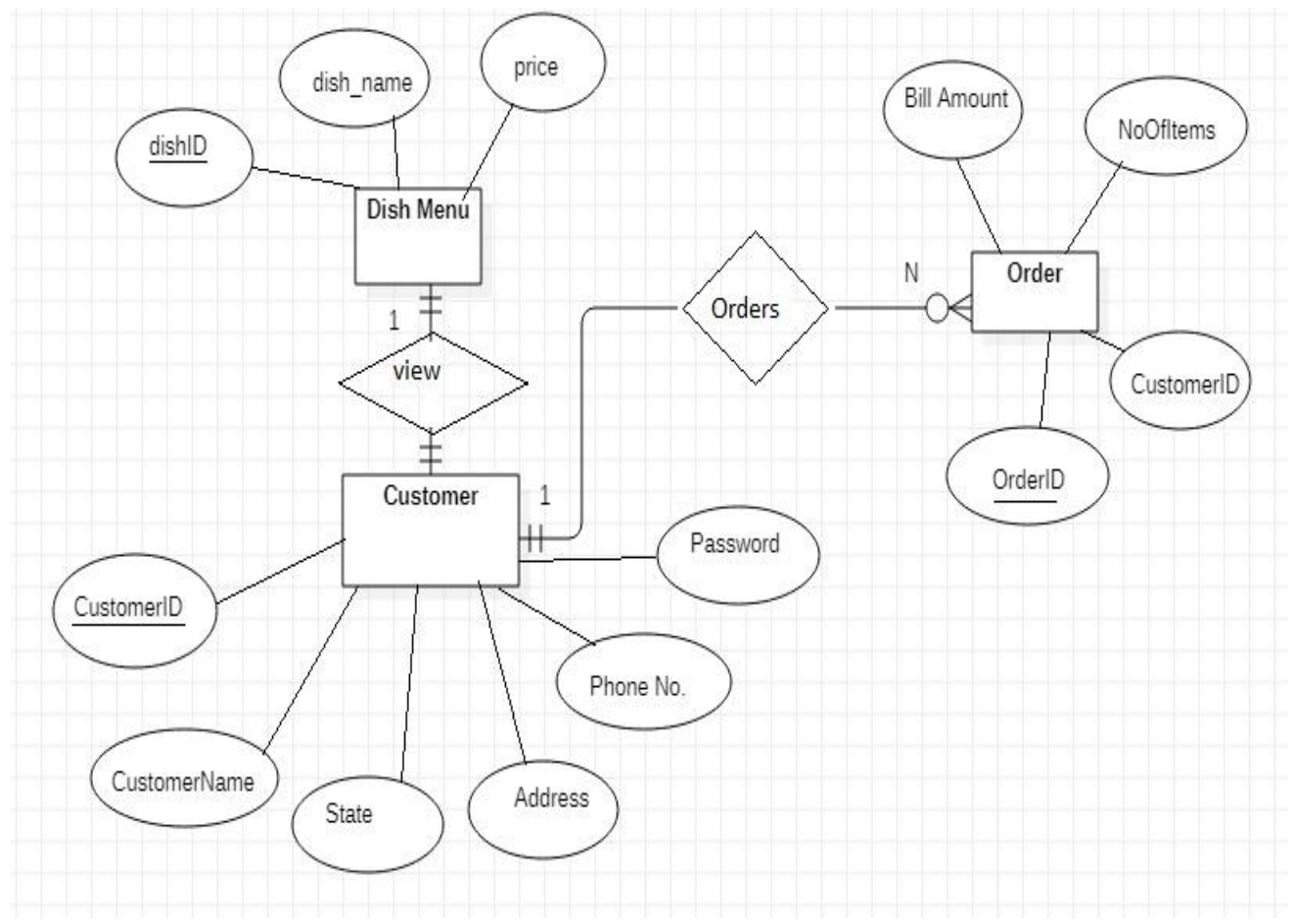
Customer:-

1. Creates an account or logs in if they have already created an account.
2. Sees the menu and can add items to their order.
3. Gets an order summary before confirming the order
4. Can cancel the order at the last moment if they so desire.

USE CASE DIAGRAM



ER DIAGRAM



SYSTEM REQUIREMENTS

Hardware Requirements

Windows	
Operating System	Microsoft Windows 10/8/7 (incl.64-bit)
Processor	Single Core 1.0 Ghz
RAM	1 GB RAM minimum 2 GB RAM recommended
Screen Resolution	1024x768 minimum
Graphics Card	64Mb Graphics Card (recommended)

Software Requirements:

Python 3.6.0 or higher
PyCharm Community Edition 2021.1 (IDE for development)
MySQL Workbench 8

PYTHON MODULES USED:-

- mysql connector:

This has been used to link python with mysql database

- random:

This has been used to generate Customer ID as well as the Order ID

PYTHON CODE

```
import mysql.connector
import random
mydb = mysql.connector.connect(
    host='localhost',
    user='root',
    password='76mysql31',
    port='3306',
    database='python_projectbhavesh'
)
print('*****WELCOME TO THE CYBERIA RESTAURANT!*****')
print('Press 1 if you are a customer, 2 if you are an Admin')
def login():
    hf = True

    print("***** LOGIN *****")
    while hf == True:
        ID=int(input('Enter your customer ID '))
        mycursor.execute("SELECT Password FROM customer WHERE CustomerID =
        {} ".format(ID))
        Passver=mycursor.fetchall()
        for i in Passver:
            for j in i:
                a=j
        pswd=input('Enter password ')

        if pswd==a:
            print('Login Successful! ')
            hf = False
            return ID

        else:
            print('Incorrect ID or password')

def customer():
    print('First time visiting? press 1 to sign up!')
    print('Returning Customer? press 2 to log in!')
    td=int(input('Enter 1 or 2 '))

    if td==1:
        print("***** SIGN UP *****")
        Name=input("Enter Name: ")
        State=input("Enter state: ")
        Address=input("Enter address: ")
        PhoneNo=int(input("Enter Phone Number: "))
        CustomerID = random.randint(0, 100000)
        vc=True
        while vc==True:
            Pasd = input('Create password ')
            passconf = input('Confirm Password ')
            if Pasd==passconf:
                sql = 'INSERT INTO customer (CustomerID, CustomerName,
```

```

State, Address, PhoneNo, Password) VALUES(%s, %s, %s, %s, %s, %s)'
    val = (CustomerID, Name, State, Address, PhoneNo, Pasd)
    mycursor.execute(sql, val)
    mydb.commit()
    print('Your CustomerID has been generated successfully and
is:-', CustomerID)
    #match ID with phone no in database incase customer forgets
ID

    print('Remember to keep this ID for future transactions')
    print('sign up successful')
    vc=False
else:
    print('passwords do not match try again')

ID=login()
else:
    ID=login()

mycursor.execute('select*from dish')
menu = mycursor.fetchall()
column_names = [i[0] for i in mycursor.description]
print(column_names)
for i in menu:
    print(i)

ans = True
list=[]
NoI=0
Food=[]

while ans == True:
    dishid = int(input("Enter the Dish ID: "))
    mycursor.execute("SELECT dish_name from dish WHERE dishID = {}".format(dishid))
    NoD = mycursor.fetchall()

    qty = int(input("Enter quantity: "))
    am=[dishid, qty, NoD]
    list.append(am)
    NoI=NoI+qty

    ch = input("Do you want to add more Dishes? (y/n) ")
    if ch!='y'and ch!='Y':

        print('no of items=', NoI)
        total = 0
        print("Dish ID, Quantity, Dish name, price")
        for item in list:
            mycursor.execute("SELECT price from dish WHERE dishID = {}".format(item[0]))
            res = mycursor.fetchall()

            # Converting tuple to integer
            for i in res:
                for j in i:
                    print(item,j)
                    total = total + item[1]*j
            #adding GST to total
            total=total+total*18/100
        print("Bill Amount after adding GST: ", total)

```

```

        print('press 1 to confirm order')
        print('press 2 to cancel order')
        print('press 3 to add more items to your order')
        final=int(input('Enter your choice '))
        if final == 1:
            Order=random.randint(0, 1000)+ID
            orderdata='INSERT INTO ordertable (OrderID, CustomerID,
BillAmount, NoOfItems) VALUES (%s, %s, %s, %s)'
            val = (Order, ID, total, NoI)
            mycursor.execute(orderdata, val)
            mydb.commit()

            print('Your order has successfully been placed!')
            ans = False
        elif final == 2:
            print('Your order has been cancelled successfully')
            ans = False
        else:
            ans = True
    print('*****Thank you for visiting!*****')

def view():
    krm=True
    while krm==True:
        print('*****MAIN MENU*****')
        print('press 1 to view menu table')
        print('press 2 to view customer table')
        print('press 3 to view order table')
        print('press 4 to add dishes to the menu')
        print('press 5 to remove dishes from the menu')
        print('press 6 to exit the main menu')

        z=int(input('Enter choice: '))
        if z==1:
            print('*****Menu Table*****')
            mycursor.execute('SELECT*FROM dish')
            menu = mycursor.fetchall()
            column_names = [i[0] for i in mycursor.description]
            print(column_names)
            for i in menu:
                print(i)
            br = int(input('press 1 to continue to main menu and 2 if you
want to exit '))
            if br != 1:
                krm = False

        elif z==2:
            mycursor.execute('SELECT*from customer')
            customerdetails = mycursor.fetchall()
            column_names = [i[0] for i in mycursor.description]
            print(column_names)
            for i in customerdetails:
                print(i)
            br = int(input('press 1 to continue to main menu and 2 if you
want to exit '))
            if br != 1:
                krm = False

```

```

elif z==3:
    mycursor.execute('SELECT*from ordertable')
    orderdetails = mycursor.fetchall()
    column_names = [i[0] for i in mycursor.description]
    print(column_names)
    for i in orderdetails:
        print(i)
    br = int(input('press 1 to continue and 2 if you want to exit
'))
    if br != 1:
        krm = False

elif z==4:
    hr=True
    while hr==True:
        dishID=int(input('Enter Dish ID: '))
        dishname=input('Enter Dish Name: ')
        dishprice=int(input('Enter dish price: '))
        sql = 'INSERT INTO dish (dishID, dish_name, price)
VALUES(%s, %s, %s)'
        val = (dishID, dishname, dishprice)
        mycursor.execute(sql, val)
        mydb.commit()
        jj=input('do you wish to add more items into the menu?y/n')
        if jj!='y' and jj!='Y':
            print('menu table updated')
            hr=False
        br = int(input('Press 1 to continue to main menu and 2 if you
want to exit '))
        if br != 1:
            krm = False

elif z==5:
    arg=True
    while arg==True:

        mycursor.execute('SELECT dish_name FROM dish')
        existdish=mycursor.fetchall()
        print(existdish)
        f=''
        for i in existdish:
            for j in i:
                f=f+j
        dishName=input('Enter the name of the dish you want to
remove. ')
        if dishName in f:
            sql = "DELETE FROM dish WHERE dish_name =
'%s'"%dishName
            mycursor.execute(sql)
            mydb.commit()
            print('Update successful')
        else:
            print('Input dish is already not in the menu')
            conf=input('do you wish to continue deleting more items
from the menu?y/n')
            if conf=='n' or conf=='N':
                arg=False
            br = int(input('press 1 to continue to main menu and 2 if you

```

```

want to exit '))
    if br != 1:
        krm = False

    else:
        krm=False
        print("Exit successful")

mycursor = mydb.cursor()
passwd=1359
user=int(input("Enter 1 or 2: "))
if user==1:
    customer()
elif user==2:
    hrt=int(input('Enter password '))
    if hrt==passwd:
        print('access granted!')
        view()
    else:
        print('access denied')
else:
    print("invalid access")

```

DATABASE:

1) dish table:-

dishID	dish_name	price
1	Roti	3
2	Naan	5
3	Rice	35
4	Daal	35
5	Shahee_paneer	40
6	Matar_Mushroom	40
7	Mix_veg	40
8	Samosa	10
9	Tea	10
10	Coffee	20
11	Noodles	30
12	Momos	10
13	Veg Burger	40
14	Veg Pizza	90
NULL	NULL	

2) customer table:-

CustomerID	CustomerName	State	Address	PhoneNo	Password
159	Anirudh	Delhi	Model Town	654327	pskt1p
849	Bhavesh	Delhi	Tri Nagar	123456789	jkh8rx
960	Akansha	Delhi	Rohini	6667883	3xsbwp
4529	Arushi	Delhi	Ganesh Pura	765437	brjmdz
5349	Kartikay	Delhi	Model Town 3rd	666555666	z0bz3c
9768	Ishant	Maharashtra	VN Road Mumbai	44556667	ncw6qt
12015	Siddharth	Delhi	Connaught Palace	55667788	rdrv06
66399	Bhavesh	Delhi	Punjabi Bagh Road xyz	234567	Karuta11
96076	Lain Iwakura	Delhi	Chuna Mandi, Paharganj	9876789	jjcy8eria
NULL	NULL	NULL	NULL	NULL	NULL

3) order table:-

OrderID	CustomerID	BillAmount	NoOfItems
433	159	142	8
791	159	313	20
894	159	177	10
906	159	366	22
1209	849	496	23
1381	849	378	12
1434	849	118	3
1836	960	401	18
5670	5349	696	43
10385	9768	59	2
12018	12015	253	13
66447	66399	431	22
96959	96076	880	33
NULL	NULL	NULL	NULL

Outputs:

ADMIN COMMANDS:-

1) Viewing Databases, adding 2 Dishes then removing one of them

```
C:\Users\gupta\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:/Use
*****WELCOME TO THE CYBERIA RESTAURANT!*****
Press 1 if you are a customer, 2 if you are an Admin
Enter 1 or 2: 2
Enter password 1359
access granted!
*****MAIN MENU*****
press 1 to view menu table
press 2 to view customer table
press 3 to view order table
press 4 to add dishes to the menu
press 5 to remove dishes from the menu
press 6 to exit the main menu
Enter choice: 1
*****Menu Table*****
Enter choice: 1
*****Menu Table*****
['dishID', 'dish_name', 'price']
(1, 'Roti', 3)
(2, 'Naan', 5)
(3, 'Rice', 35)
(4, 'Daal', 35)
(5, 'Shahee_paneer', 40)
(6, 'Matar_Mushroom', 40)
(7, 'Mix_veg', 40)
(8, 'Samosa', 10)
(9, 'Tea', 10)
(10, 'Coffee', 20)
(11, 'Noodles', 30)
(12, 'Momos', 10)
(13, 'Veg Burger', 40)
(14, 'Veg Pizza', 90)
```


Structure

Bookmarks

```
(14, 'Veg Pizza', 90)
press 1 to continue to main menu and 2 if you want to exit 1
*****MAIN MENU*****
press 1 to view menu table
press 2 to view customer table
press 3 to view order table
press 4 to add dishes to the menu
press 5 to remove dishes from the menu
press 6 to exit the main menu
Enter choice: 2
['CustomerID', 'CustomerName', 'State', 'Address', 'PhoneNo', 'Password']
(159, 'Anirudh', 'Delhi', 'Model Town ', 654327, 'pskt1p')
(849, 'Bhavesh', 'Delhi', 'Tri Nagar', 123456789, 'jkh8rx')
(960, 'Akansha', 'Delhi', 'Rohini', 6667883, '3xsbwp')
(4529, 'Arushi', 'Delhi', 'Ganesh Pura', 765437, 'brjmdz')
(5349, 'Kartikay', 'Delhi', 'Model Town 3rd', 666555666, 'z0bz3c')
(9768, 'Ishant', 'Maharashtra', 'VN Road Mumbai', 44556667, 'ncw6qt')
(12015, 'Siddharth', 'Delhi', 'Connaught Palace', 55667788, 'rdrv06')
(66399, 'Bhavesh', 'Delhi', 'Punjabi Bagh Road xyz', 234567, 'Karuta11')
(66399, 'Bhavesh', 'Delhi', 'Punjabi Bagh Road xyz', 234567, 'Karuta11')
(96076, 'Lain Iwakura', 'Delhi', 'Chuna Mandi, Paharganj', 9876789, 'jjcy8eria')
press 1 to continue to main menu and 2 if you want to exit 1
*****MAIN MENU*****
press 1 to view menu table
press 2 to view customer table
press 3 to view order table
press 4 to add dishes to the menu
press 5 to remove dishes from the menu
press 6 to exit the main menu
```

```

press 4 to add dishes to the menu
press 5 to remove dishes from the menu
press 6 to exit the main menu
Enter choice: 3
['OrderID', 'CustomerID', 'BillAmount', 'NoOfItems']
(433, 159, 142, 8)
(791, 159, 313, 20)
(894, 159, 177, 10)
(906, 159, 366, 22)
(1209, 849, 496, 23)
(1381, 849, 378, 12)
(1434, 849, 118, 3)
(1836, 960, 401, 18)
(5670, 5349, 696, 43)
(10385, 9768, 59, 2)
(12018, 12015, 253, 13)
(66447, 66399, 431, 22)
(96959, 96076, 880, 33)
press 1 to continue and 2 if you want to exit 1

```

```

*****MAIN MENU*****
press 1 to view menu table
press 2 to view customer table
press 3 to view order table
press 4 to add dishes to the menu
press 5 to remove dishes from the menu
press 6 to exit the main menu
Enter choice: 4
Enter Dish ID: 15
Enter Dish Name: Sandwich
Enter dish price: 20
do you wish to add more items into the menu?y/ny
Enter Dish ID: 16
Enter Dish Name: Pepsi
Enter dish price: 20
do you wish to add more items into the menu?y/n
menu table updated
Press 1 to continue to main menu and 2 if you want to exit 1
*****MAIN MENU*****
press 1 to view menu table
press 2 to view customer table

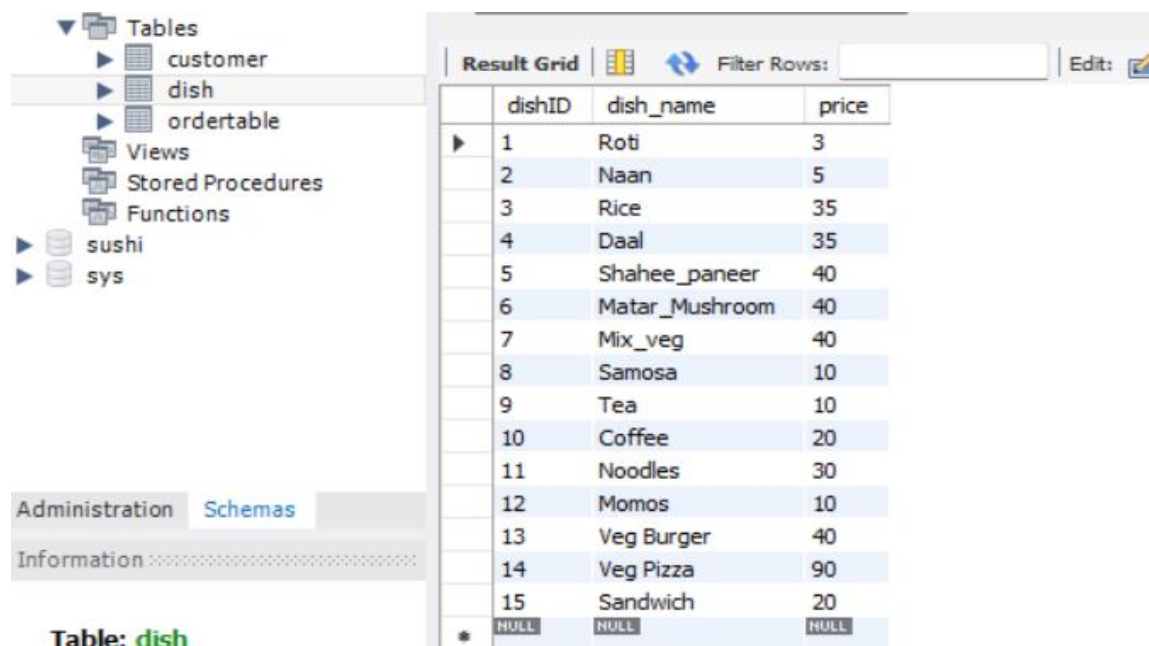
```

```
Enter dish price: 20
do you wish to add more items into the menu?y/nn
menu table updated
Press 1 to continue to main menu and 2 if you want to exit 1
*****MAIN MENU*****
press 1 to view menu table
press 2 to view customer table
press 3 to view order table
press 4 to add dishes to the menu
press 5 to remove dishes from the menu
press 6 to exit the main menu
Enter choice: 5
[('Roti',), ('Naan',), ('Rice',), ('Daal',), ('Shahee_paneer',), ('Matar_Mushroom',), ('Mix_veg',), ('Samosa',), ('Tea',), ('Coffee',), ('Noodles',), ('Momos',), ('Veg Burger',), ('Veg Pizza',), ('Sandwich',), ('Pepsi',)]
Enter the name of the dish you want to remove. Pepsi
Update successful
do you wish to continue deleting more items from the menu?y/nn
press 1 to continue to main menu and 2 if you want to exit 2

Process finished with exit code 0
```

```
['Mushroom',), ('Mix_veg',), ('Samosa',), ('Tea',), ('Coffee',), ('Noodles',), ('Momos',), ('Veg Burger',), ('Veg Pizza',), ('Sandwich',), ('Pepsi',)]
```

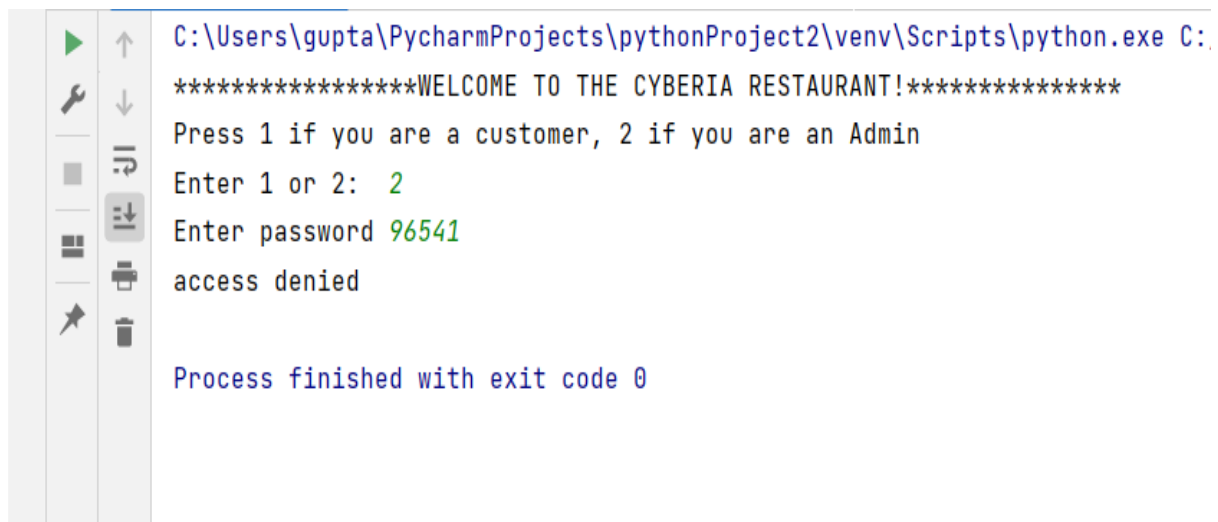
Menu Table after the changes:-



The screenshot shows a database management interface. On the left, a tree view displays the database structure with 'Tables' expanded, showing 'customer', 'dish', and 'ordertable'. Below this, 'Views', 'Stored Procedures', and 'Functions' are listed. At the bottom left, 'Administration' and 'Schemas' tabs are visible, with 'Schemas' selected. The main area on the right shows the 'Result Grid' for the 'dish' table. It contains 15 rows of data with columns 'dishID', 'dish_name', and 'price'. The last row shows 'NULL' values for all three columns.

	dishID	dish_name	price
▶	1	Roti	3
	2	Naan	5
	3	Rice	35
	4	Daal	35
	5	Shahee_paneer	40
	6	Matar_Mushroom	40
	7	Mix_veg	40
	8	Samosa	10
	9	Tea	10
	10	Coffee	20
	11	Noodles	30
	12	Momos	10
	13	Veg Burger	40
	14	Veg Pizza	90
	15	Sandwich	20
*	NULL	NULL	NULL

2) Invalid access into the admin menu (by entering incorrect password) :-



The screenshot shows a terminal window with the following output:

```
C:\Users\gupta\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:
*****WELCOME TO THE CYBERIA RESTAURANT!*****
Press 1 if you are a customer, 2 if you are an Admin
Enter 1 or 2: 2
Enter password 96541
access denied

Process finished with exit code 0
```

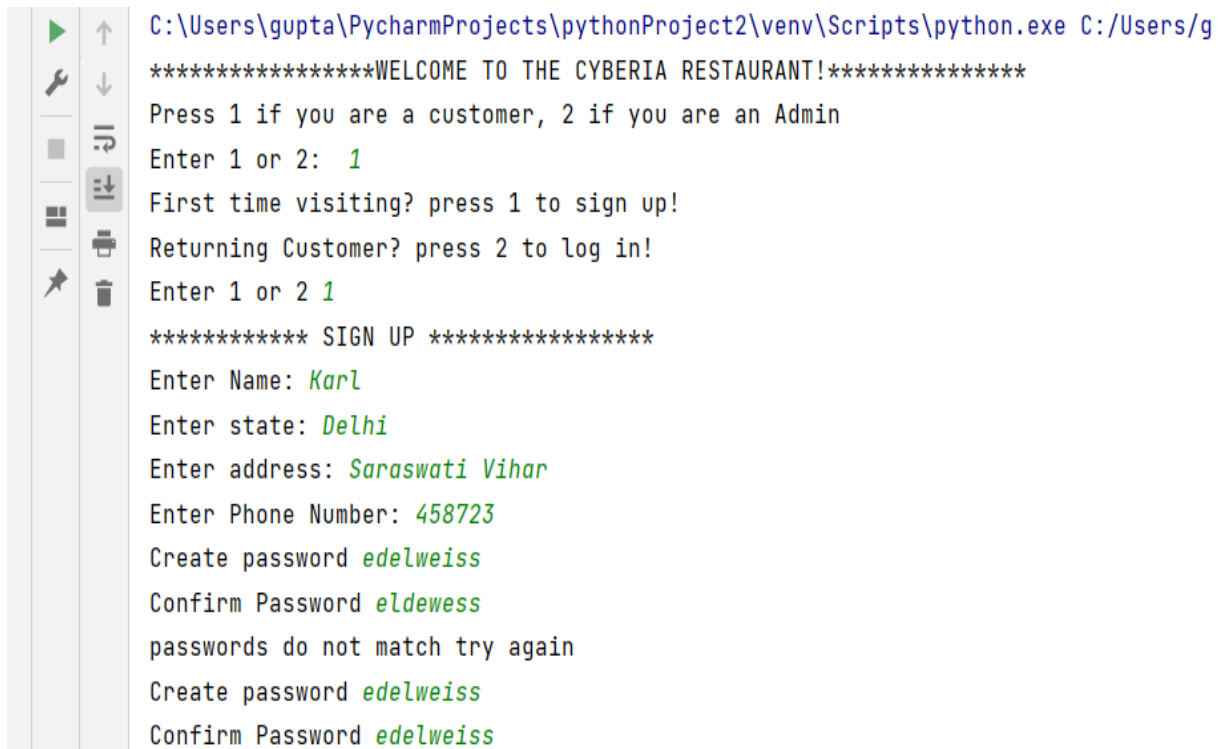
3) Attempt to remove a dish that is not in the table:-

```
Press 1 if you are a customer, 2 if you are an Admin
Enter 1 or 2: 2
Enter password 1359
access granted!
*****MAIN MENU*****
press 1 to view menu table
press 2 to view customer table
press 3 to view order table
press 4 to add dishes to the menu
press 5 to remove dishes from the menu
press 6 to exit the main menu
Enter choice: 5
[('Roti',), ('Naan',), ('Rice',), ('Daal',), ('Shahee_paneer',), ('Matar_Mushroo
Enter the name of the dish you want to remove. Vadha Pao
Input dish is already not in the menu
do you wish to continue deleting more items from the menu?y/nn
press 1 to continue to main menu and 2 if you want to exit 2

Process finished with exit code 0
|
```

CUSTOMER COMMANDS

1) Signing up followed by login and order of some dishes, then adding some more dishes after checking order details followed by order confirmation



```
C:\Users\gupta\PycharmProjects\pythonProject2\venv\Scripts\python.exe C:/Users/g
*****WELCOME TO THE CYBERIA RESTAURANT!*****
Press 1 if you are a customer, 2 if you are an Admin
Enter 1 or 2: 1
First time visiting? press 1 to sign up!
Returning Customer? press 2 to log in!
Enter 1 or 2 1
***** SIGN UP *****
Enter Name: Karl
Enter state: Delhi
Enter address: Saraswati Vihar
Enter Phone Number: 458723
Create password edelweiss
Confirm Password eldewess
passwords do not match try again
Create password edelweiss
Confirm Password edelweiss
```

```
Confirm Password edewess
passwords do not match try again
Create password edelweiss
Confirm Password edelweiss
Your CustomerID has been generated successfully and is:- 20826
Remember to keep this ID for future transactions
sign up successful
***** LOGIN *****
Enter your customer ID 20826
Enter password edelweiss
Login Successful!
['dishID', 'dish_name', 'price']
(1, 'Roti', 3)
(2, 'Naan', 5)
```

```
['dishID', 'dish_name', 'price']
(1, 'Roti', 3)
(2, 'Naan', 5)
(3, 'Rice', 35)
(4, 'Daal', 35)
(5, 'Shahee_paneer', 40)
(6, 'Matar_Mushroom', 40)
(7, 'Mix_veg', 40)
(8, 'Samosa', 10)
(9, 'Tea', 10)
(10, 'Coffee', 20)
(11, 'Noodles', 30)
(12, 'Momos', 10)
(13, 'Veg Burger', 40)
(14, 'Veg Pizza', 90)
(15, 'Sandwich', 20)
Enter the Dish ID: 2
Enter quantity: 15
```

(15, 'Sandwich', 20)

Enter the Dish ID: 2

Enter quantity: 15

Do you want to add more Dishes? (y/n) y

Enter the Dish ID: 15

Enter quantity: 8

Do you want to add more Dishes? (y/n) y

Enter the Dish ID: 9

Enter quantity: 5

Do you want to add more Dishes? (y/n) n

no of items= 28

Dish ID, Quantity, Dish name, price

[2, 15, [('Naan',)]] 5

[15, 8, [('Sandwich',)]] 20

[9, 5, [('Tea',)]] 10

Bill Amount after adding GST: 336.3

[2, 15, [('Naan',)]] 5

[9, 5, [('Tea',)]] 10

Bill Amount after adding GST: 336.3

press 1 to confirm order

press 2 to cancel order

press 3 to add more items to your order

Enter your choice 3

Enter the Dish ID: 7

Enter quantity: 4

Do you want to add more Dishes? (y/n) n

no of items= 32

Dish ID, Quantity, Dish name, price

[2, 15, [('Naan',)]] 5

Structure

Bookmarks

```

no of items= 32
Dish ID, Quantity, Dish name, price
[2, 15, [('Naan',)]] 5
[15, 8, [('Sandwich',)]] 20
[9, 5, [('Tea',)]] 10
[7, 4, [('Mix_veg',)]] 40
Bill Amount after adding GST: 525.1
press 1 to confirm order
press 2 to cancel order
press 3 to add more items to your order
Enter your choice 1
Your order has successfully been placed!
*****Thank you for visiting!*****

Process finished with exit code 0
|

```

Customer table after the changes:-

CustomerID	CustomerName	State	Address	PhoneNo	Password
159	Anirudh	Delhi	Model Town	654327	pskt1p
849	Bhavesh	Delhi	Tri Nagar	123456789	jkh8rx
960	Akansha	Delhi	Rohini	6667883	3xsbwp
4529	Arushi	Delhi	Ganesh Pura	765437	brjmdz
5349	Kartikay	Delhi	Model Town 3rd	666555666	z0bz3c
9768	Ishant	Maharashtra	VN Road Mumbai	44556667	ncw6qt
12015	Siddharth	Delhi	Connaught Palace	55667788	rdrv06
20826	Karl	Delhi	Saraswati Vihar	458723	edelweiss
66399	Bhavesh	Delhi	Punjabi Bagh Road xyz	234567	Karuta 11
96076	Lain Iwakura	Delhi	Chuna Mandi, Paharganj	9876789	jjcy8eria
NULL	NULL	NULL	NULL	NULL	NULL

2) Logging into an already existing account and then cancelling the order.

```
*****WELCOME TO THE CYBERIA RESTAURANT!*****
Press 1 if you are a customer, 2 if you are an Admin
Enter 1 or 2: 1
First time visiting? press 1 to sign up!
Returning Customer? press 2 to log in!
Enter 1 or 2 2
***** LOGIN *****
Enter your customer ID 4529
Enter password brjmdz
Login Successful!
['dishID', 'dish_name', 'price']
(1, 'Roti', 3)
(2, 'Naan', 5)
(3, 'Rice', 35)
(4, 'Daal', 35)
(5, 'Shahee_paneer', 40)
(6, 'Matar_Mushroom', 40)
(6, 'Matar_Mushroom', 40)
(7, 'Mix_veg', 40)
(8, 'Samosa', 10)
(9, 'Tea', 10)
(10, 'Coffee', 20)
(11, 'Noodles', 30)
(12, 'Momos', 10)
(13, 'Veg Burger', 40)
(14, 'Veg Pizza', 90)
(15, 'Sandwich', 20)
Enter the Dish ID: 15
Enter quantity: 5
Do you want to add more Dishes? (y/n) y
Enter the Dish ID: 8
Enter quantity: 5
Do you want to add more Dishes? (y/n) y
Enter the Dish ID: 12
```

```
Enter the Dish ID: 12
Enter quantity: 7
Do you want to add more Dishes? (y/n) n
no of items= 17
Dish ID, Quantity, Dish name, price
[15, 5, [('Sandwich',)]] 20
[8, 5, [('Samosa',)]] 10
[12, 7, [('Momos',)]] 10
Bill Amount after adding GST: 259.6
press 1 to confirm order
press 2 to cancel order
press 3 to add more items to your order
Enter your choice 2
Your order has been cancelled successfully
*****Thank you for visiting!*****
Process finished with exit code 0
```

CONCLUSION

This Restaurant Management System Project in Python fulfils all the primary tasks performed by customer and admin to function basic transactions for a restaurant. With features to add, update and delete that can be performed by admin, the system is flexible for long term changes.

The system facilitates customer to sign up with the restaurant and login for placing orders. Customer is able to place order and receive bill successfully.

BIBLIOGRAPHY

- Computer Science with Python (Textbook for class XII) – Sumita Arora
- www.python.org
- www.W3Schools.com
- www.Geeksforgeeks/projectarticles.com
- www.wikipedia.com