

FOOD PROCESSING MANAGEMENT

MADE BY-
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ACKNOWLEDGEMENT

- **I would like to express my gratitude**
- **to my C.S teacher Mr.Vikas Gupta**
- **and my school principal Mr. Nitin**
- **Bhatia for giving me this wonderful**
- **opportunity to work on this**
- **special project.**
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- **and colleagues who encouraged me**
- **to work on this project.**

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CLASS: 12TH (A)

ROLL NO: 54

**SUBJECT: COMPUTER
SCIENCE PROJECT FILE**

**SUBMITTED TO: MR. VIKAS
GUPTA**

**SCHOOL: DAV PUBLIC
SCHOOL**

CERTIFICATE

THIS IS TO CERTIFY THAT
“SIDDHARTH SILORI”
STUDENT OF CLASS 12TH A HAS
SUCCESSFULLY COMPLETED THEIR
COMPUTER SCIENCE PROJECT ON
“FOOD PROCESSING
MANAGEMENT” UNDER THE
GUIDANCE OF MR.VIKAS GUPTA

TEACHER' SIGNATURE

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INTRODUCTION AND ABOUT THE PROJECT

- IN THIS PROJECT,WE PREPARED A CONNECTIVITY PROGRAM BETWEEN PYTHON AND MYSQL.
- FOLLOWING ARE THE CONTENTS WE PREPARED IN MYSQL-
- 1) DATABASE- BSBAKERY (THIS IS THE NAME OF THE BAKERY SHOP THAT WE TOOK AS A REFERENCE)
- 2) TABLES- RATION, PRODUCTS,RETAILER,CROCKERY

THROUGH THIS PROGRAM FOLLOWING FUNCTIONS CAN BE PERFORMED:

- 1) A CHECK ON THE ITEMS THAT ARE ON THE STORE COUNTER CAN BE MADE.
- 2) A CHECK ON THE RATION ITEMS THAT ARE AVAILABLE IN THE BAKERY'S KITCHEN CAN BE MADE.
- 3) ORDER OF THE REQUIRED GROCERIES AND CROCKERIES FROM THE TRUSTED RETAILERS.
- 4) ALTER AND CHANGES IN THE COUNT OF RATION AND PRODUCTS TABLE CAN BE MADE.

CODINGS PERFORMED

```
import mysql.connector

con=mysql.connector.connect(host="localhost",user="root",passwd="sid25136666",database="bsbakery")
print("_____Welcome User_____")
print("_____B.S BAKERY PVT LTD")
cursor=con.cursor()
cursor.execute("use bsbakery")

#ITEMS IN STORE
def items():
    item="select * from product"
    cursor.execute(item)
    res=cursor.fetchall()
    t=(['serial_no', 'products', 'cost', 'totalUnits'])
    for Serial_no,Product,Cost,TotalUnits in res:
        print(Serial_no,':','\t',Product,":","\t", "Cost",Cost,':','\t', "Total Units",":",TotalUnits)

#ITEMS AVAILABLE IN KITCHEN
def kitchen():
    kit="select * from ration"
    cursor.execute(kit)
    fet=cursor.fetchall()
    x=(['Ration', 'Quantity in KG'])
    for Ration,Quantity_In_Kg in fet:
        print(">" ,Ration,":","\t", "Quantity",Quantity_In_Kg, "Kg")

#GROCERY ITEMS
def grocery():
    groc="select * from ration"
    cursor.execute(groc)
    det=cursor.fetchall()
    x=(['Ration'])
    for Ration,Quantity_In_Kg in det:
        print(">" ,Ration,":")

#CROCKERY ITEMS
def crockery():
```

```

x=(['Ration','Quantity in KG'])
for Ration,Quantity_In_Kg in fet:
    print(">" ,Ration,":","\t","Quantity",Quantity_In_Kg,"Kg")

#GROCERY ITEMS
def grocery():
    groc="select * from ration"
    cursor.execute(groc)
    det=cursor.fetchall()
    x=(['Ration'])
    for Ration,Quantity_In_Kg in det:
        print(">" ,Ration,":")

#CROCKERY ITEMS
def crockery():
    croc="select sno,itemname from crockery order by sno"
    cursor.execute(croc)
    let=cursor.fetchall()
    q=(['sno',"itemname"])
    for sno,itemname in let:
        print(sno,"\t",itemname)

#RETAILERS FOR ORDER PURCHASES#
def retailer():
    retail="select * from retailer"
    cursor.execute(retail)
    ret=cursor.fetchall()
    x=(['No','retailerID','retailer','phoneno'])
    for No,retailerID,retailer,phoneno in ret:
        print(No,":","\t","RetailerID",retailerID,"\t",retailer,"\t","Phone No:",phoneno)

#FUNCTION TO PLACE ORDER

```



```
#RETAILERS FOR ORDER PURCHASES#
```

```
def retailer():  
    retail="select * from retailer"  
    cursor.execute(retail)  
    ret=cursor.fetchall()  
    x=(['No','retailerID','retailer','phoneno'])  
    for No,retailerID,retailer,phoneno in ret:  
        print(No,":","\t","RetailerID",retailerID,"\t",retailer,"\t","Phone No:",phoneno)
```

```
#FUNCTION TO PLACE ORDER
```

```
def order():  
    print("1 For Grocery:")  
    print("2 For Crockery:")  
    x=int(input("What do you want to order for your kitchen:"))  
    if x==1:  
        grocery()  
        print()  
        k=int(input("Select any one grocery from 1-12:"))  
        retailer()  
        j=int(input("Select any retailer from 1-3:"))  
        if (0<j<4):  
            o=int(input("How much quantity to be ordered(in Kgs)?"))  
            conf=input("NOTE: Are you sure to place this order? (Y/N):")  
            if conf=="Y" or conf=="y":  
                print()  
                print("Your Order has been placed!!!")  
            else:  
                print("Order is being cancelled.... No Order placed:")  
                order()  
        else:  
            print("No retailer with such no.!!")  
    elif x==2:  
        crockery()
```

```

print("2 For Crockery:")
x=int(input("What do you want to order for your kitchen:"))
if x==1:
    grocery()
    print()
    k=int(input("Select any one grocery from 1-12:"))
    retailer()
    j=int(input("Select any retailer from 1-3:"))
    if (0<j<4):
        o=int(input("How much quantity to be ordered(in Kgs)?"))
        conf=input("NOTE: Are you sure to place this order? (Y/N):")
        if conf=="Y" or conf=="y":
            print()
            print("Your Order has been placed!!!")
        else:
            print("Order is being cancelled.... No Order placed:")
            order()
    else:
        print("No retailer with such no.!!")

elif x==2:
    crockery()
    print()
    k=int(input("Select any one crockery from 1-10:"))
    retailer()
    a=int(input("Select any retailer from 1-3:"))
    if (0<a<4):
        oe=int(input("How many units?"))
        confirm=input("NOTE: Are you sure to place this order? (Y/N):")
        if confirm=="Y" or confirm=="y":
            print()
            print("Your Order has been placed!!!")
        else:
            print("Order is being cancelled.... No Order placed:")
            order()
    else:
        print("No retailer with such no.!!")

```

```

print()
k=int(input("Select any one crockery from 1-10:"))
retailer()
a=int(input("Select any retailer from 1-3:"))
if (0<a<4):
    oe=int(input("How many units?"))
    confirm=input("NOTE: Are you sure to place this order? (Y/N):")
    if confirm=="Y" or confirm=="y":
        print()
        print("Your Order has been placed!!!")
    else:
        print("Order is being cancelled.... No Order placed:")
        order()
else:
    print("No retailer with such no.!!")

else:
    print("Wrong Input")

```

#FUNCTION TO UPDATE VALUES OF STORE#

```

def updatestore():
    items()
    print("NOTE THAT ONLY TOTALUNITS ARE CHANGABLE")
    p=int(input("Enter existing unitvalue:"))
    q=int(input("Enter new value:"))
    x="update product SET Totalunits={} where Totalunits={}".format(q,p)
    cursor.execute(x)
    con.commit()
    print("Value changed!")

```

#FUNCTION TO UPDATE VALUES OF KITCHEN#

```

def updatation():

```

```
#FUNCTION TO UPDATE VALUES OF KITCHEN#
```

```
def updatation():  
    kitchen()  
    print("NOTE THAT ONLY QUANTITIES ARE CHANGABLE")  
    p=int(input("Enter existing Quantity_In_Kg value:"))  
    q=int(input("Enter new value:"))  
    x="update ration SET Quantity_In_Kg={} where Quantity_In_Kg={}".format(q,p)  
    cursor.execute(x)  
    con.commit()  
    print("Value changed!")
```

```
print()  
print()  
print("          |          FOOD PROCESSING AND ORDER MANAGEMENT          ||")  
print("          |MADE BY- SHAURYA GAUR,SIDDHARTH SILORI,SNEHA BALODHI,SOURABH NEGI|")  
print("          |ROLL NO-   53           54           55           56           |")  
print('  ' )  
name=input("Enter your name:")  
phone=int(input("Enter your ID:"))
```

```
#MAINCODE
```

```
def Main():  
    ch=''  
    while ch!="N" or ch!="n":  
  
        def funct():  
            print("\n\nPLEASE CHOOSE\n1 TO ENTER \n2 TO EXIT")  
            choice=int(input("Enter your choice:"))  
            if choice==2:  
                return  
            elif choice==1:
```

```

#MAINCODE
def Main():
    ch=''
    while ch!="N" or ch!="n":

        def funct():
            print("\n\nPLEASE CHOOSE\n1 TO ENTER \n2 TO EXIT")
            choice=int(input("Enter your choice:"))
            if choice==2:
                return
            elif choice==1:
                print(' ')
                print("Press 1 to Check Items In The Store")
                print("Press 2 to Check Ration")
                print("Press 3 to Order Ration")
                print("Press 4 to Update Records")
                print("Press 5 to EXIT")
                e=int(input("Enter your choice:"))
                if e==5:
                    return
                elif e==1:
                    print("Items Available In The Store:")
                    items()
                    funct()
                elif e==2:
                    print ("Ration available in the kitchen:")
                    kitchen()
                    funct()
                elif e==3:
                    order()
                    funct()
                elif e==4:
                    print("Press 1 To update Items in Store")
                    print('Press 2 To update items in Ration')
                    p=int(input("Enter your choice:"))
                    if p==1:
                        updatestore()

```

```

print("Press 3 to Order Ration")
print("Press 4 to Update Records")
print("Press 5 to EXIT")
e=int(input("Enter your choice:"))
if e==5:
    return
elif e==1:
    print("Items Available In The Store:")
    items()
    funct()
elif e==2:
    print ("Ration available in the kitchen:")
    kitchen()
    funct()
elif e==3:
    order()
    funct()
elif e==4:
    print("Press 1 To update Items in Store")
    print('Press 2 To update items in Ration')
    p=int(input("Enter your choice:"))
    if p==1:
        updatystore()
    elif p==2:
        updateration()
    else:
        print("Wrong entry!!!")
else:
    print("Wrong Input")
    funct()

```

```

    funct()

```

```

ch=input("ARE YOU SURE TO EXIT FROM PROGRAM(Y/N)?")
if ch=='y' or ch=='Y':
    exit()

```

```

Main()

```

TABLES USED:

RATION TABLE
PRODUCT TABLE

```
mysql> use bsbakery;
Database changed
mysql> show tables;
+-----+
| Tables_in_bsbakery |
+-----+
| crockery            |
| product             |
| ration              |
| retailer            |
+-----+
4 rows in set (0.01 sec)
```

```
mysql> select * from ration;
+-----+-----+
| Ration          | Quantity_In_Kg |
+-----+-----+
| Flour           | 35              |
| Sugar           | 35              |
| Salt            | 3               |
| Baking Soda     | 4               |
| Baking Powder   | 3               |
| Cocoa Powder    | 5               |
| Vanilla extract | 8               |
| Cow Milk        | 17              |
| Cherries        | 4               |
| Cream           | 8               |
| Butter          | 11              |
| Vegetable Oil   | 15              |
+-----+-----+
12 rows in set (0.00 sec)
```

```
mysql> select * from product;
+-----+-----+-----+-----+
| Serialno | Products | Cost | TotalUnits |
+-----+-----+-----+-----+
| 1        | Cake     | 750  | 26          |
| 2        | Milk     | 50   | 100         |
| 3        | Chocolate | 60   | 79          |
| 4        | Bread    | 30   | 56          |
| 5        | Puff     | 20   | 47          |
| 6        | Creamroll | 30   | 36          |
+-----+-----+-----+-----+
6 rows in set (0.00 sec)
```

RETAILER TABLE CROCKERY TABLE

```
mysql> select * from retailer;
```

No	retailerID	retailer	phoneno
1	1342582	Anil Kumar	9812949121
2	1812494	Suresh Bhatt	8128847261
3	2778534	Nilesh Rana	9329583951

```
3 rows in set (0.00 sec)
```

```
mysql> select * from crockery order by sno;
```

sno	itemcode	itemname
1	289	Plate
2	659	Knife
3	721	Blender
4	524	Chopping board
5	241	Cake Slicer
6	213	Dish Rack
7	872	Colander
8	231	Fork
9	752	Wok
10	852	Rolling Pin

```
10 rows in set (0.00 sec)
```


SAMPLE RUN

```
>>> Python 3.12.1 (tags/v3.12.1:2305ca5, Dec 7 2023, 22:03:25) [MSC v.1937 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.

===== RESTART: D:\Python files\FinalCode.py =====

Welcome User
-----
B.S BAKERY PVT LTD

| FOOD PROCESSING AND ORDER MANAGEMENT |
|MADE BY- SHAURYA GAUR,SIDDHARTH SILORI,SNEHA BALODHI,SOURABH NEGI|
|ROLL NO- 53 54 55 56 |

Enter your name:Siddharth Silori
Enter your ID:9141

PLEASE CHOOSE
1 TO ENTER
2 TO EXIT
Enter your choice:1

Press 1 to Check Items In The Store
Press 2 to Check Ration
Press 3 to Order Ration
Press 4 to Update Records
Press 5 to EXIT
Enter your choice:1
Items Available In The Store:
1 : Cake : Cost 750 : Total Units : 26
2 : Milk : Cost 50 : Total Units : 100
3 : Chocolate : Cost 60 : Total Units : 79
4 : Bread : Cost 30 : Total Units : 56
5 : Puff : Cost 20 : Total Units : 47
6 : Creamroll : Cost 30 : Total Units : 36

PLEASE CHOOSE
1 TO ENTER
2 TO EXIT
```

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:2

Ration available in the kitchen:

- > Flour : Quantity 35 Kg
- > Sugar : Quantity 35 Kg
- > Salt : Quantity 3 Kg
- > Baking Soda : Quantity 4 Kg
- > Baking Powder : Quantity 3 Kg
- > Cocoa Powder : Quantity 5 Kg
- > Vanilla extract : Quantity 8 Kg
- > Cow Milk : Quantity 17 Kg
- > Cherries : Quantity 4 Kg
- > Cream : Quantity 8 Kg
- > Butter : Quantity 11 Kg
- > Vegetable Oil : Quantity 15 Kg

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:3

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:3

1 For Grocery:

2 For Crockery:

What do you want to order for your kitchen:1

> Flour :

> Sugar :

> Salt :

> Baking Soda :

> Baking Powder :

> Cocoa Powder :

> Vanilla extract :

> Cow Milk :

> Cherries :

> Cream :

> Butter :

> Vegetable Oil :

Select any one grocery from 1-12:3

1 :	RetailerID 1342582	Anil Kumar	Phone No: 9812949121
-----	--------------------	------------	----------------------

2 :	RetailerID 1812494	Suresh Bhatt	Phone No: 8128847261
-----	--------------------	--------------	----------------------

3 :	RetailerID 2778534	Nilesh Rana	Phone No: 9329583951
-----	--------------------	-------------	----------------------

Select any retailer from 1-3:2

How much quantity to be ordered(in Kgs)?3

NOTE: Are you sure to place this order? (Y/N):y

Your Order has been placed!!!

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:3

1 For Grocery:

2 For Crockery:

What do you want to order for your kitchen:2

1 Plate

2 Knife

3 Blender

4 Chopping board

5 Cake Slicer

6 Dish Rack

7 Colander

8 Fork

9 Wok

10 Rolling Pin

Select any one crockery from 1-10:5

1 :	RetailerID 1342582	Anil Kumar	Phone No: 9812949121
-----	--------------------	------------	----------------------

2 :	RetailerID 1812494	Suresh Bhatt	Phone No: 8128847261
-----	--------------------	--------------	----------------------

3 :	RetailerID 2778534	Nilesh Rana	Phone No: 9329583951
-----	--------------------	-------------	----------------------

Select any retailer from 1-3:3

How many units?3

NOTE: Are you sure to place this order? (Y/N):y

Your Order has been placed!!!

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Select any one crockery from 1-10:5

1 :	RetailerID 1342582	Anil Kumar	Phone No: 9812949121
2 :	RetailerID 1812494	Suresh Bhatt	Phone No: 8128847261
3 :	RetailerID 2778534	Nilesh Rana	Phone No: 9329583951

Select any retailer from 1-3:3

How many units?3

NOTE: Are you sure to place this order? (Y/N):y

Your Order has been placed!!!

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:4

Press 1 To update Items in Store

Press 2 To update items in Ration

Enter your choice:1

1 :	Cake :	Cost 750 :	Total Units : 26
2 :	Milk :	Cost 50 :	Total Units : 100
3 :	Chocolate :	Cost 60 :	Total Units : 79
4 :	Bread :	Cost 30 :	Total Units : 56
5 :	Puff :	Cost 20 :	Total Units : 47
6 :	Creamroll :	Cost 30 :	Total Units : 36

NOTE THAT ONLY TOTALUNITS ARE CHANGABLE

Enter existing unitvalue:100

Enter new value:103

Value changed!

PLEASE CHOOSE

6 : Creamroll : Cost 30 : Total Units : 36
NOTE THAT ONLY TOTALUNITS ARE CHANGABLE
Enter existing unitvalue:100
Enter new value:103
Value changed!

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:1

Items Available In The Store:

1 :	Cake :	Cost 750 :	Total Units : 26
2 :	Milk :	Cost 50 :	Total Units : 103
3 :	Chocolate :	Cost 60 :	Total Units : 79
4 :	Bread :	Cost 30 :	Total Units : 56
5 :	Puff :	Cost 20 :	Total Units : 47
6 :	Creamroll :	Cost 30 :	Total Units : 36

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:4

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:4

Press 1 To update Items in Store

Press 2 To update items in Ration

Enter your choice:2

> Flour : Quantity 35 Kg

> Sugar : Quantity 35 Kg

> Salt : Quantity 3 Kg

> Baking Soda : Quantity 4 Kg

> Baking Powder : Quantity 3 Kg

> Cocoa Powder : Quantity 5 Kg

> Vanilla extract : Quantity 8 Kg

> Cow Milk : Quantity 17 Kg

> Cherries : Quantity 4 Kg

> Cream : Quantity 8 Kg

> Butter : Quantity 11 Kg

> Vegetable Oil : Quantity 15 Kg

NOTE THAT ONLY QUANTITIES ARE CHANGABLE

Enter existing Quantity_In_Kg value:17

Enter new value:16

Value changed!

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter existing Quantity_In_Kg value:17
Enter new value:16
Value changed!

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:1

Press 1 to Check Items In The Store

Press 2 to Check Ration

Press 3 to Order Ration

Press 4 to Update Records

Press 5 to EXIT

Enter your choice:2

Ration available in the kitchen:

> Flour :	Quantity 35 Kg
> Sugar :	Quantity 35 Kg
> Salt :	Quantity 3 Kg
> Baking Soda :	Quantity 4 Kg
> Baking Powder :	Quantity 3 Kg
> Cocoa Powder :	Quantity 5 Kg
> Vanilla extract :	Quantity 8 Kg
> Cow Milk :	Quantity 16 Kg
> Cherries :	Quantity 4 Kg
> Cream :	Quantity 8 Kg
> Butter :	Quantity 11 Kg
> Vegetable Oil :	Quantity 15 Kg

PLEASE CHOOSE

1 TO ENTER

2 TO EXIT

Enter your choice:

BIBLIOGRAPHY

- WWW.GOOGLE.COM
- WWW.QUORA.IN
- WWW.WIKIPEDIA.IN
- **CLASS 12th NCERT BOOK BY SUMITA ARORA**