

COMPUTER PROJECT

SUPERMARKET



SUBMITTED BY:

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CLASS: XII A

ACKNOWLEDGEMENT

In the accomplishment of this project successfully, many people have bestowed upon me their blessings and the heart pledged support. I extend my sincere gratitude to our teacher Sunitha ma'am , parents and friends without whose constant support this project would not have been a great success.

I take this opportunity to express my gratitude to the people who have been instrumental in the successful completion of this project . I would like to thank my parents and classmates for their kind cooperation with which the project has been a major success .

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TEAM MEMBERS

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INTRODUCTION

PYTHON

Python is an interpreted high-level general-purpose programming language. Its design philosophy emphasizes code readability with its use of significant indentation. Its language constructs as well as its object-oriented approach aim to help programmers write clear, logical code for small and large-scale projects.

It supports multiple programming paradigms, including structured, object-oriented and functional programming. This language was developed by Guido Van Rossum in 1991.

FEATURES:

- Easy to code
- Object oriented language
- Free and open source
- GUI programming support

SQL (Structured Query Language)

It is a standard language for accessing and manipulating databases. SQL is used for the following: modifying database table and index structures; adding, updating and deleting rows of data and many more.

FEATURES:

- Data Definition language (DDL)
- Insert record into a database
- Highly transactional

PROJECT

WELCOME TO F2F SUPERMARKET!!

Field2Fridge offers you a larger full-service supermarket combined with all types of services, operates on self service basis, selling vegetables, fruits, fresh meat, dairy and poultry, grains, personal hygiene etc.

The COVID-19 pandemic has accelerated the shift towards a more digital world. The survey results suggest that changes in online activities are likely to outlast the COVID-19 pandemic.

For many consumers, shopping and purchasing online have become part of their daily lives with lots of options. This project mainly mook over the customers perceptions and their needs.

With lots of views on different motives, we have committed on this project.

Our project offers latest technology and ease of access to each and every item and possible to record each

item on the needs of customers digitally and can be updated at any moment. It offers key options such as:

- Login
- Addition and deletion of category, products, customers by the admin
- To view newly added items in your cart
- Updation of items in cart
- Permanent cart which stores the items you want to buy later
- Billing
- Checkout and logout

We have included these adaptations hoping for the better shopping, customer service and satisfaction.

MODULES

stdiomask()- To hide password as asterisks (*)

main.py- Main module of the project. It includes the functions:-

- *Category* - Shows user the list of categories
- *Products* - Shows the list of products the user can choose from and adds the selected items to the cart
- *Gocart* - Gives the option to go to cart or add more items.
- *Choice* - Asks user if they want to go to the main menu or log out.
- *Cart* - Shows the items the user has selected and they can checkout here or go back to add more items.
- *History* - Shows the order history of the user.
- *Login* - First page the user can see. The user can either login with their userid and password here or they can register as a new user.
- *main()* - The user can choose if they want to go to the shop, cart or see their order history here

admin()- Imported from admin.py . Admin of the supermarket can update stocks, categories and products, add and remove users.

TABLES CREATED

Table Users:

```
mysql> Select * from users ;
```

Id	LastName	FirstName	UserName	EmailId	Address	PhoneNumber	Password	Active	Role
1	Rema	Karta	rema.karta	rema@hotmail.com	Thillakam house KRA lane 7	8712673451	F2F_market_admin	0	Admin
2	Anu	Guptha	anu.guptha	anu.guptha@test.com	lily gardens,KM Road	92656489267	Ag1987	0	Customer
3	Tiya	George	tiya.george	tiya.george@try.com	ace nimbus,kara lane5	9895350929	tiya@86	0	Customer
4	Liya	Mathew	liya.mathew	liya.mathew@test.com	31,nivya road,	92678989267	Mat88	0	Customer
5	Taniya	Cheriyar	taniya.cheriyar	taniya.cheriyar@pint.com	leela gardens,infopark rd	8382387999	Tan01	0	Customer
6	Alen	Xavier	alen.xavier	alen.xavier@test.com	pearl avenue,RRT Road	9298267765	Xavi47	0	Customer
8	Ravindran	Manu	manu.ravindran	ravi@gmail.com	Krishnapuram house , Edachira	7864103954	123manu	0	Customer
9	Pothan	Angel	angel .pothan	angel@gmail.com	Samsung villa, Pondichery	7873441023	Ang@334	0	Customer

8 rows in set (0.05 sec)

Table Category :

```
mysql>select * from category ;
```

id	Category
1	Vegetables
2	Fruits
3	Personal hygiene
4	Dairy &Poultry
5	Grains

5 rows in set (0.04 sec)

Table Product :

```
mysql>select * from product;
```

id	ItemName	CategoryId	Price	Active	Stock
1	carrots	1	25.000	1	100
2	Tomato	1	20.000	1	100
3	Cabbage	1	35.000	1	100
4	Chillies	1	20.000	1	100
5	Onion	1	48.000	1	100
6	Potato	1	38.000	1	97
7	Mango	2	60.000	1	100
8	Apple	2	80.000	1	100
9	Orange	2	66.000	1	100
10	Grape	2	75.000	1	100
11	Lux Soap	3	30.000	1	100
12	Palmolive Shampoo	3	120.000	1	100
13	Dove conditioner	3	120.000	1	100
14	Himalya Facewash	3	60.000	1	100
15	Milma Milk	4	20.000	1	98
16	Egg	4	25.000	1	98
17	Amul Ghee	4	150.000	1	100
18	Basmati Rice	5	20.000	1	100
19	Wheat	5	36.000	1	100
20	Matta Rice	5	44.000	1	100

20 rows in set (0.00 sec)

Table shopping_cart

mysql>desc shopping_cart;

Field	Type	Null	Key	Default	Extra
UserId	int	NO	MUL	NULL	
ProductId	int	NO	MUL	NULL	
Qty	int	YES		NULL	
Active	tinyint(1)	YES		NULL	
Date_of_Purchase	date	YES		NULL	

5 rows in set (0.00 sec)

SYSTEM REQUIREMENTS

HARDWARE AND SOFTWARE REQUIREMENTS

HARDWARE REQUIREMENTS:

I. Operating System : Microsoft Windows 10 Home Single
Language

II. Processor : Intel(R) Core(TM) i3-1005G1 CPU @ 1.20GHz,
1190 Mhz,2 Core(s),4 Logical Processor(s)

III. BaseBoard Manufacturer HP

BaseBoard Product 85F3

BaseBoard Version 40.33

IV. RAM : 8.00 GB

V.HARD DISK :

Model WDC WD10SPZX-60Z10T0

Size 931.51 GB (1,000,202,273,280 bytes)

VIII.PRINTER : Hp deskjet ink advantage 3835

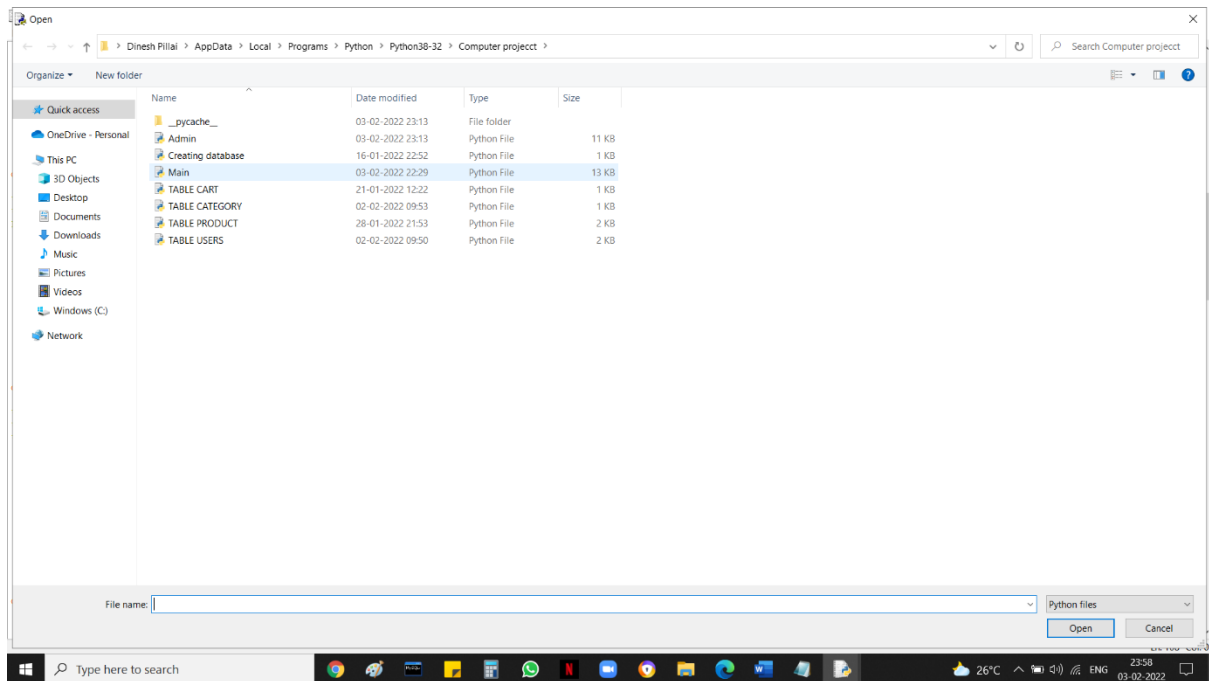
SOFTWARE REQUIREMENTS:

I.WINDOWS OS

II. PYTHON - 3.8.5

III. MySQL – 8.0

SOURCE CODE



Creating Database:

#creating database

```
import mysql.connector
```

```
mydb=mysql.connector.connect(host='localhost',user='root',passwd='Ashwin@1995')
```

```
mycursor=mydb.cursor()
```

```
mycursor.execute('CREATE DATABASE supermarket')
```

Table Users:

```
import mysql.connector
```

```
mydb=mysql.connector.connect(host="localhost",user="root",passwd="Ashwin@1995",  
database="supermarket")
```

```
mycursor=mydb.cursor()
```

```
mycursor.execute ("CREATE TABLE Users
```

```
(Id int not null Primary Key AUTO_INCREMENT,
LastName varchar(255),
FirstName varchar(255),
UserName varchar(255),
EmailId varchar(255),
Address varchar(255),
PhoneNumber varchar(50),
Password varchar(20),
Active BOOLEAN,
Role varchar(40))''');

```

```
mycursor.execute('INSERT INTO Users VALUES
(1,"Rema","Karta","rema.karta","rema@hotmail.com","Thillakam house KRA lane
7","8712673451","F2F_market_admin",0,"Admin")')
```

```
mycursor.execute('INSERT INTO Users VALUES (2,"Anu", "Guptha", "anu.guptha", "anu.guptha@test.com","lily
gardens,KM Road", "92656489267", "Ag1987",0,"Customer")')
```

```
mycursor.execute('INSERT INTO Users VALUES (3,"Tiya", "George", "tiya.george", "tiya.george@try.com","ace
nimbus,kara lane5", "9895350929", "tiya@86",0,"Customer")')
```

```
mycursor.execute('INSERT INTO Users VALUES (4,"Liya ", "Mathew", "liya.mathew",
"liya.mathew@test.com", "31,nivya road", "92678989267", "Mat88",0,"Customer")')
```

```
mycursor.execute('INSERT INTO Users VALUES (5,"Taniya", "Cheriyen", "taniya.cheriyen",
"taniya.cheriyen@pint.com", "leela gardens,infopark rd", "8382387999", "Tan01",0,"Customer")')
```

```
mycursor.execute('INSERT INTO Users VALUES (6,"Alen", "Xavier", "alen.xavier",
"alen.xavier@test.com", "pearl avenue,RRT Road", "9298267765", "Xavi47",0,"Customer")')
```

```
mydb.commit()
```

```
print('Executed')
```

Table Category :

```
import mysql.connector
```

```
mydb=mysql.connector.connect(host='localhost',user='root',passwd='Ashwin@1995',database='supermarket')
```

```
mycursor=mydb.cursor()
```

```
mycursor.execute('create table category (id int(3) Primary key auto_increment,Category varchar(20))')
```

```
mycursor.execute('insert into category values(1,"Vegetables")')
```

```
mycursor.execute('insert into category values(2,"Fruits")')
```

```
mycursor.execute('insert into category values(3,"Personal hygiene")')
```

```
mycursor.execute('insert into category values(4,"Dairy &Poultry")')
```

```
mycursor.execute('insert into category values(5,"Grains ")')
```

```
mydb.commit()
```

```
mydb.close()
```

```
print('exceuted')
```

Table Product :

```
import mysql.connector
```

```
mydb=mysql.connector.connect(host='localhost',user='root',passwd='Ashwin@1995',database='supermarket')
```

```
mycursor=mydb.cursor()
```

```
mycursor.execute('create table Product(id int not null Primary key AUTO_INCREMENT,ItemName  
varchar(225),CategoryId int(3),Price decimal(8,3), Active BOOLEAN, Stock int(8),FOREIGN KEY(CategoryId)  
REFERENCES Category(Id))')
```

```
mycursor.execute('insert into Product values(1,"carrots",1,25.00,1,100)')
```

```
mycursor.execute('insert into Product values(2,"Tomato",1,20.00,1,100)')
```

```
mycursor.execute('insert into Product values(3,"Cabbage",1,35.00,1,100)')
```

```
mycursor.execute('insert into Product values(4,"Chillies",1,20.00,1,100)')
```

```
mycursor.execute('insert into Product values(5,"Onion",1,48.00,1,100)')
```

```
mycursor.execute('insert into Product values(6,"Potato",1,38.00,1,100)')
```

```
mycursor.execute('insert into Product values(7,"Mango",2,60.00,1,100)')
```

```
mycursor.execute('insert into Product values(8,"Apple",2,80.00,1,100)')
```

```
mycursor.execute('insert into Product values(9,"Orange",2,66.00,1,100)')
```

```
mycursor.execute('insert into Product values(10,"Grape",2,75.00,1,100)')
```

```
mycursor.execute('insert into Product values(11,"Lux Soap",3,30.00,1,100)')
```

```
mycursor.execute('insert into Product values(12,"Palmolive Shampoo",3,120.00,1,100)')
```

```
mycursor.execute('insert into Product values(13,"Dove conditioner ",3,120.00,1,100)')
```

```
mycursor.execute('insert into Product values(14,"Himalya Facewash",3,60.00,1,100)')
```

```
mycursor.execute('insert into Product values(15,"Milma Milk",4,20.00,1,100)')
```

```
mycursor.execute('insert into Product values(16,"Egg",4,25.00,1,100)')
```

```
mycursor.execute('insert into Product values(17,"Amul Ghee",4,150.00,1,100)')
```

```
mycursor.execute('insert into Product values(18,"Basmati Rice",5,20.00,1,100)')
```

```
mycursor.execute('insert into Product values(19,"Wheat",5,36.00,1,100)')
```

```
mycursor.execute('insert into Product values(20,"Matta Rice",5,44.00,1,100)')
```

```
mydb.commit()
```

```
mydb.close()
```

```
print('exceuted')
```

Table Cart :

```
import mysql.connector
```

```
mydb=mysql.connector.connect(host='localhost',user='root',passwd='Ashwin@1995',database='supermarket')
```

```
mycursor=mydb.cursor()
```

```
mycursor.execute('CREATE TABLE shopping_cart(UserId int NOT NULL,ProductId int NOT NULL,Qty int ,Active  
boolean ,Date_of_Purchase date,FOREIGN KEY (ProductId) REFERENCES Product(Id ), FOREIGN KEY (UserId)  
REFERENCES Users(Id))')
```

```
mydb.close()
```

```
print('Exceuted')
```

Main Module :

```
import stdiomask #To hide password
```

```
import mysql.connector
```

```
mydb=mysql.connector.connect(host='localhost',user='root',passwd='Ashwin@1995',database='supermarket')
```

```
mycursor=mydb.cursor()
```

```
from Admin import admin #To import admin functions
```

```
def category():
```

```
    print('***** CATEGORIES *****')
```

```
    mycursor.execute('select id,Category from category')#To display categories
```

```
    c=mycursor.fetchall()
```

```
    print('{:<5} {:<20}'.format('Id','Category'))#to format the data
```

```
    print('-----')
```

```
    for i in c:
```

```
        Id,Category=i
```

```
        print('{:<5} {:<20}'.format(Id,Category))#formatting
```

```
    print('-----')
```

```
    global a
```

```
    a=[]
```

```
    for x in c:
```

```
        a.append(x[0])#Storibg Category Id
```

```
    global y
```

```
    try:
```

```
        y=int(input('Enter category number:'))
```

```

except ValueError:

    print('Enter the correct value')

    y=int(input(' Enter category number:'))

if y not in a:

    print('Category doesnt exist')

    print('Enter the correct value')

    y=int(input('Enter category number:'))


print()

products()

def products():

    print('***** PRODUCTS *****')

    print()

    import datetime

    idlist=[]

    global y

    mycursor.execute("select id,ItemName,Price from product where CategoryId='{y}'".format(y)+ "and
active=1")

    c=mycursor.fetchall()

    print ("{:<5} {:<25} {:<15}".format('Id','Name','Price'))#to format the data

    print('-----')

    for i in c:

        Id,Name,Price = i

        print ("{:<5} {:<25} {:<15} ".format(Id,Name,Price))#formatting

    print('-----')

    try:

        proid=int(input('Enter product id:'))

    except ValueError:

        print('Enter the correct value')

        proid=int(input('Enter product id:'))

    for i in c :

        idlist=idlist+list(i)#list of items in the selected category

    a=mycursor.execute("select id,ItemName,Price from product where id='{y}'".format(proid))

```



```

b=mycursor.fetchall()

for i in b:
    if i[0]==proid:#to check if product list
        if proid in idlist:# to check if product is in category
            qt=input('Enter quantity :')
            act=1
            dt=datetime.date.today()

            sql_insert_query = """insert into
shopping_cart(Userid,productid,qty,active,date_of_purchase) VALUES (%s,%s,%s,%s,%s)"""

            tup=(LoginId,proid,qt,act,dt)
            mycursor.execute(sql_insert_query,tup)
            mydb.commit()

            y="Update product set stock=stock-{}".format(qt)+" where id="+str(proid)#to reduce
stock of item purchased

            mycursor.execute(y)
            print('* Added * ')

            p="Update product set active=0 where stock=0"
            mycursor.execute(p)
            mydb.commit()

            print()
            gocart()

        else:
            print('*Product not found *')
            products()

    else:
        print('* Invalid choice * ')
        products()

def gocart():
    a=input("")

    * If you want to go to cart press 1 *
    * if you want to add more items press 2 *
    Please enter:")

    print()

```

```

if a=='1':
    cart()
    print("")
elif a=='2':
    category()
    print("")

else:
    print('error')
    gocart()

def choice():
    x=input("")
    * Enter 1 to go to main menu *
    * Enter 2 to log out      *
    * Please enter:''')
    print()
    if x=='1':
        main()
    elif x=='2':
        q="Update users set active=0 where Id="+str(LoginId)
        mycursor.execute(q)
        mydb.commit()
        mydb.close()
        print('Thank you for shopping with us ')
    else:
        print('Invalid choice')
        choice()

def cart():
    total=0
    shop_list=[]
    print('***** SHOPPING CART *****')
    print ("{:<15} {:<25} {:<10} {:<10}".format('ProductId','ItemName','Quantity','Price'))#to format the data

```

```

mycursor.execute( "Select ProductId,Qty from shopping_cart where active=1 and
UserId={}".format(LoginId))

x=mycursor.fetchall()

mycursor.execute('Select Id,ItemName,Price from Product')

y=mycursor.fetchall()

for i in x:
    for j in y:
        if(i[0]==j[0]):
            shop_list=shop_list+[(str(i[0]),str(j[1]),str(i[1]),str(j[2]))]

for i in shop_list:
    ProductId,ItemName,Quantity,Price=i

    print ("{:<15} {:<25} {:<10} {:<10}".format(ProductId,ItemName,Quantity,Price))#formatting


for z in range(0,len(shop_list),1):
    total=total+(float(shop_list[z][3])*int(shop_list[z][2]))#to calculate total amount

print('-----')

print('* Total amouunt :',total,'*')

a=input("")

* If you want to continue shopping press 1 *

* If you want to remove an item press 2 *

* If you want checkout press 3 *

* If you want to log out press 4 *

Please press:")

print()

if a=='1':
    category()
    print("")

elif a=='2':
    try:
        dele=int(input("Enter the product id of item to be remove :"))
    except ValueError:
        print('Enter the correct value')
        dele=int(input("Enter the product id of item to be remove :"))

```

```

        mycursor.execute("Delete from shopping_cart where ProductId="+str(dele))

        cart()

elif a=='3':#products are purchased and will removed from the cart

    q="Update shopping_cart set active=0 where UserId='{}'".format(LoginId)

    mycursor.execute(q)

    mydb.commit()

    print('    Thank you for shopping with us ')

    print('

Please be ready with change

Our delivery executive will be at your doorstep shortly

For order details please check order history')

    print('-----')

    choice()

elif a=='4':#products will remain in the cart

    q="Update users set active=0 where Id='{}'".format(LoginId)

    mycursor.execute(q)

    mydb.commit()

    mydb.close()

    print("Thank you for shopping with us ")

else:

    print('Error')

def history():

    print('***** ORDER HISTORY *****')

    shop_list=[]

    mycursor.execute( "Select ProductId,Qty,Date_of_purchase from shopping_cart where active=0 and
UserId='{}'".format(LoginId))

    a=mycursor.fetchall()

    mycursor.execute('Select Id,ItemName,Price from Product')

    b=mycursor.fetchall()

    print (" {:<25} {:<10} {:<10} {:<15}".format('ItemName','Quantity','Price','Date'))#to format

    for i in a:

        for j in b:

            if(i[0]==j[0]):

```

```

        shop_list=shop_list+[(str(j[1]),str(i[1]),str(j[2]),str(i[2])))]

for i in shop_list:

    ItemName,Quantity,Price,Date=i

    print (" {:<25} {:<10} {:<10} {:<15}".format(ItemName,Quantity,Price,Date))#formatting

def login():

    global LoginId

    print("* To Register press 1 *")

    print("* To Login press 2 *")

    print("* To Logout 3 *")

    ch=input("Please Enter:")

    if ch=='1':#to add a new user

        FN=input("Enter first name :")

        LN=input("Enter last name :")

        UN=(str.lower(FN)+'.'+str.lower(LN))

        Add=input("Enter your address :")

        Phone=input("Enter valid phone number :")

        Pwd=stdiomask.getpass("Enter password :")#to hide the password

        Em=input("Enter email :")

        Act=1

        rol="Customer "

        sql_insert_query = """insert into
users(Lastname,Firstname,Username,EmailId,Address,Phonenumber,password,Active,Role) VALUES
(%s,%s,%s,%s,%s,%s,%s,%s,%s)"""

        tup=(LN,FN,UN,Em,Add,Phone,Pwd,Act,rol)

        mycursor.execute(sql_insert_query,tup)

        mydb.commit()

        print('Account Created')

        mycursor.execute("select Id from users where Active=1")

        d=mycursor.fetchall()

        for i in d:

            for j in i:

                Id=j

            LoginId=Id

        print("Your UserId is :",LoginId)

```

```

main()

elif ch=='2':#for an existing user to shop

    try:

        userid=int(input("Enter your userid :"))

    except ValueError:

        print('Enter the correct value')

        login()

    pwd=stdiomask.getpass("Enter your password :")#to hide the password

    mycursor.execute("select password from users where Id="+str(userid))

    d=mycursor.fetchall()

    for i in d:

        for j in i:

            if j== pwd:

                mycursor.execute("select role from users where Id="+str(userid))#to check if the user is admin
or customer

                b=mycursor.fetchall()

                for i in b:

                    for j in i:

                        if j== 'Admin':

                            LoginId=userid

                            admin()

                        else:

                            mycursor.execute("Update users set Active=1 where id="+str(userid))

                            mydb.commit()

                            LoginId=userid

                            main()

                    else:

                        print('Password Incorrect')

                        login()

elif ch=='3':

    print("Thank you !")

```

```

else:
    print("Invalid Choice")
    login()
def main():
    print('*****')
    print('***** WELCOME TO F2F SUPERMARKET *****')
    print()
    x=int(input('
* Enter 1 to go to shop      *
* Enter 2 to go to cart      *
* Enter 3 to see order history *
* Enter 4 to log out        *

Please enter:'))
    if x==1:
        category()
    elif x==2:
        cart()
    elif x==3:
        history()
        main()
    elif x==4:
        q="Update users set active=0 where Id="+str(LoginId)
        mycursor.execute(q)
        mydb.commit()
        mydb.close()
        print('Thank you for shopping with us ')
    else :
        print('* Invalid choice * ')
        print()
        main()
login()

```

Admin module:

```
import stdiomask #To hide password

import mysql.connector

mydb=mysql.connector.connect(host='localhost',user='root',passwd='Ashwin@1995',database='supermarket')

mycursor=mydb.cursor()

def admin():

    LoginId=0

    a=input("")

    You are the Admin

    * If you want to update Stocks press 1    *

    * If you want to update Categories press 2 *

    * If you want to update Products press 3  *

    * If you want to Add User press 4        *

    * If you want to Remove User press 5     *

    * If you want to log out press 6         *

    * Please enter:"")

    print()

    if a == '1':

        print("{:<5} {:<25} {:<15} {:<15} {:<10}
{:<15}".format('Id','Name','CategoryId','Price','Active','Stock'))#to format the data

        mycursor.execute("Select * from product")

        lis=mycursor.fetchall()

        for v in lis:

            Id,Name,CategoryId,Price,Active,Stock = v

            print("{:<5} {:<25} {:<15} {:<15} {:<10}
{:<15}".format(Id,Name,CategoryId,Price,Active,Stock))#formatting

            print()

            pi=input("Enter the product id of item's stock to be updated:")

            try:

                stk=int(input("Enter the updated stock :"))

            except ValueError:

                print('Enter the correct value')

                stk=int(input("Enter the updated stock :"))

            q="Update product set stock= "+str(stk)+" where Id= " +pi
```



```

mycursor.execute(q)
mydb.commit()
p="Update product set active=0 where stock=0"
mycursor.execute(p)
mydb.commit()
a="Update product set active=1 where stock<0"
mycursor.execute(a)
mydb.commit()
print('UPDATED')
admin()

```

```

elif a == '2':

```

```

    mycursor.execute("Select * from Category")
    bis=mycursor.fetchall()
    print('{:<5} {:<20}'.format('Id','Category'))#to format
    for i in bis:
        Id,Category=i
        print('{:<5} {:<20}'.format(Id,Category))#formatting
    c=input("")

```

```

* If you want to add Category press 1 *

```

```

* If you want to delete Category press 2 *

```

```

* Please enter:''')

```

```

    print('-----')

```

```

    if c=='1':

```

```

        cat=input("Enter the category name :")
        mycursor.execute("insert into Category(Category) VALUES ('"+str(cat)+"")")
        mydb.commit()
        print('Category created ')
        mycursor.execute("select id from category where category='{ }'".format(cat))
        t=mycursor.fetchall()
        for x in t:
            print('Category id is ',x)
        print()

```

```

elif c=='2':

    try:

        dele=int(input("Enter the id of category to be removed :"))

    except ValueError:

        print('Enter the correct value')

        dele=int(input("Enter the id of category to be removed :"))

    mycursor.execute("Delete from category where Id="+str(dele))

    mydb.commit()

    print('Category deleted')

else:

    print('Invalid Choice')

admin()

```

```

elif a=='3':

    mycursor.execute("Select * from Product")

    dis=mycursor.fetchall()

    print ("{:<5} {:<25} {:<15} {:<15} {:<10}"
{:<15}".format('Id','Name','CategoryId','Price','Active','Stock'))#to format the data

    for i in dis:

        Id,Name,CategoryId,Price,Active,Stock = i

        print ("{:<5} {:<25} {:<15} {:<15} {:<10}"
{:<15}".format(Id,Name,CategoryId,Price,Active,Stock))#formatting

```

```

c=input("")

* If you want to add Product press 1 *

* If you want to delete Product press 2 *

* Please enter:''')

print('-----')

if c=='1':

    act=1

    pn =input("Enter the product name ")

    try:

        cid=int(input("Enter the category id "))

        rate=float(input("Enter the price per unit"))

```

```

        stock=int(input("Enter the stock "))
except ValueError:
    print('Enter the correct value')
    cid=int(input("Enter the category id "))
    rate=float(input("Enter the price per unit "))
    stock=int(input("Enter the stock "))

sql_insert_query = """insert into product(ItemName,CategoryId,Price,Active,Stock) VALUES
(%s,%s,%s,%s,%s)"""

tup=(pn,cid,rate,act,stock)
mycursor.execute(sql_insert_query,tup)
mydb.commit()
print('Product Added ')
mycursor.execute("select id from product where ItemName='{ }'".format(pn))
t=mycursor.fetchall()
for x in t:
    print('Product id is ',x)
print('ADDED')
print()

elif c=='2':
    try:
        dele=int(input("Enter the id of product to be removed :"))
    except ValueError:
        print('Enter the correct value')
        dele=int(input("Enter the id of product to be removed :"))
    mycursor.execute("Delete from product where Id="+str(dele))
    mydb.commit()
    print("Deleted")
else:
    print('Invalid Choice')
admin()
elif a=='4':

```

```

mycursor.execute("Select * from users")

use=mycursor.fetchall()

print("{:<5} {:<10} {:<10} {:<20} {:<25} {:<25} {:<15} {:<10} {:<10}
{:<15}".format('Id','Lastname','Firstname','Username','EmailId','Address',

'Phonenumber','password','Active','Role'))#to
format the data

for i in use:

Id,Lastname,Firstname,Username,EmailId,Address,Phonenumber,password,Active,Role=i[0],i[1],i[2],i[3],i[4],i[5
],i[6],i[7],i[8],i[9]

print("{:<5} {:<10} {:<10} {:<20} {:<25} {:<25} {:<15} {:<10} {:<10}
{:<15}".format(Id,Lastname,Firstname,Username,EmailId,Address,Phonenumber,

password,Active,Role))#to format the data""

print('-----')
-----')

FN=input("Enter first name :")

LN=input("Enter last name :")

UN=(str.lower(FN)+'.'+str.lower(LN))

Add=input("Enter your address :")

Phone=input("Enter valid phone number :")

Pwd=stdiomask.getpass("Enter password :")#To hide password

Em=input("Enter email :")

Act=1

rol=input("Enter the role (Customer/Admin):")

sql_insert_query = """insert into
users(Lastname,Firstname,Username,EmailId,Address,Phonenumber,password,Active,Role) VALUES
(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s)"""

tup=(LN,FN,UN,Em,Add,Phone,Pwd,Act,rol)

mycursor.execute(sql_insert_query,tup)

mydb.commit()

print('User Added')

mycursor.execute("select id from users where active=1")

t=mycursor.fetchall()

for x in t[-1]:

print(' UserId is :',x)

q="Update users set active=0 where Id="+str(x)

```

```

        mycursor.execute(q)

        mydb.commit()

    admin()

elif a=='5':

    mycursor.execute("Select * from users")

    use=mycursor.fetchall()

    print("{:<5} {:<10} {:<10} {:<20} {:<25} {:<25} {:<15} {:<10} {:<10}
{:<15}".format('Id','Lastname','Firstname','Username','EmailId','Address',

                                                         'Phonenumber','password','Active','Role'))#to
format the data

    for i in use:

        Id,Lastname,Firstname,Username,EmailId,Address,Phonenumber,password,Active,Role=i[0],i[1],i[2],i[3],i[4],i[5]
        ,i[6],i[7],i[8],i[9]

        print("{:<5} {:<10} {:<10} {:<20} {:<25} {:<25} {:<15} {:<10} {:<10}
{:<15}".format(Id,Lastname,Firstname,Username,EmailId,Address,Phonenumber,

                                                         password,Active,Role))#to format the data

    print('-----')
    print()

    try:

        dele=int(input("Enter the id of user to be removed :"))

    except ValueError:

        print('Enter the correct value')

        dele=int(input("Enter the id of user to be removed :"))

    mycursor.execute("Delete from users where Id="+str(dele))

    mydb.commit()

    print('USER IS REMOVED')

    admin()

elif a=='6':

    q="Update users set active=0 where Id="+str(LoginId)

    mycursor.execute(q)

    mydb.commit()

    print('Closed')

```

else:

print('Invalid Choice')

admin()

OUTPUT

```
C:\Users\dines\AppData\Local\Programs\Python\Python38-32\Computer projecct>main.py
* To Register press 1 *
* To Login press 2 *
* To Logout 3 *
Please Enter:2
Enter your userid :2
Enter your password :*****
Password Incorrect
* To Register press 1 *
* To Login press 2 *
* To Logout 3 *
Please Enter:2
Enter your userid :2
Enter your password :*****
*****
***** WELCOME TO F2F SUPERMARKET *****

* Enter 1 to go to shop *
* Enter 2 to go to cart *
* Enter 3 to see order history *
* Enter 4 to log out *

Please enter:1
***** CATEGORIES *****
Id Category
-----
1 Vegetables
2 Fruits
3 Personal hygiene
4 Dairy &Poultry
5 Grains
-----
Enter category number:*
Enter the correct value
Enter category number:2
```

***** PRODUCTS *****

Id	Name	Price
7	Mango	60.000
8	Apple	80.000
9	Orange	66.000
10	Grape	75.000

Enter product id:10

Enter quantity :2

* Added *

* If you want to go to cart press 1 *

* if you want to add more items press 2 *

Please enter:2

***** CATEGORIES *****

Id	Category
1	Vegetables
2	Fruits
3	Personal hygiene
4	Dairy &Poultry
5	Grains

Enter category number:4

***** PRODUCTS *****

Id	Name	Price
15	Milma Milk	20.000
16	Egg	25.000
17	Amul Ghee	150.000

Enter product id:16

Enter quantity :4

* Added *

* If you want to go to cart press 1 *

* if you want to add more items press 2 *

Please enter:2


```

Enter product id:16
Enter quantity :4
* Added *

* If you want to go to cart press 1      *
* if you want to add more items press 2 *
Please enter:2

***** CATEGORIES *****
Id      Category
-----
1       Vegetables
2       Fruits
3       Personal hygiene
4       Dairy &Poultry
5       Grains
-----
Enter category number:3

***** PRODUCTS *****
Id      Name                      Price
-----
11      Lux Soap                   30.000
12      Palmolive Shampoo          120.000
13      Dove conditioner            120.000
14      Himalya Facewash            60.000
-----
Enter product id:14
Enter quantity :1
* Added *

* If you want to go to cart press 1      *
* if you want to add more items press 2 *
Please enter:1

***** SHOPPING CART *****
ProductId  ItemName                      Quantity  Price
-----
10         Grape                  2         75.000
16         Egg                    4         25.000
14         Himalya Facewash         1         60.000
-----
* Total amouunt : 310.0 *

```

```
* If you want to continue shopping press 1 *
* If you want to remove an item press 2    *
* If you want checkout press 3             *
* If you want to log out press 4           *
```

Please press:2

Enter the product id of item to be remove :16

***** SHOPPING CART *****

ProductId	ItemName	Quantity	Price
10	Grape	2	75.000
14	Himalya Facewash	1	60.000

* Total amouunt : 210.0 *

```
* If you want to continue shopping press 1 *
* If you want to remove an item press 2    *
* If you want checkout press 3             *
* If you want to log out press 4           *
```

Please press:3

Thank you for shopping with us

Please be ready with change

Our delivery executive will be at your doorstep shortly

For order details please check order history

* Enter 1 to go to main menu *
* Enter 2 to log out *
* Please enter:2

Thank you for shopping with us

```
C:\Users\dines\AppData\Local\Programs\Python\Python38-32\Computer projecct>main.py
```

```
* To Register press 1 *
```

```
* To Login press    2 *
```

```
* To Logout         3 *
```

```
Please Enter:2
```

```
Enter your userid :2
```

```
Enter your password :*****
```

```
Password Incorrect
```

```
* To Register press 1 *
```

```
* To Login press    2 *
```

```
* To Logout         3 *
```

```
Please Enter:2
```

```
Enter your userid :2
```

```
Enter your password :*****
```

```
*****
```

```
***** WELCOME TO F2F SUPERMARKET *****
```

```
* Enter 1 to go to shop      *
```

```
* Enter 2 to go to cart     *
```

```
* Enter 3 to see order history *
```

```
* Enter 4 to log out        *
```

```
Please enter:1
```

```
***** CATEGORIES *****
```

```
Id    Category
```

```
-----
```

```
1      Vegetables
```

```
2      Fruits
```

```
3      Personal hygiene
```

```
4      Dairy &Poultry
```

```
5      Grains
```

```
-----
```

Enter category number:*\nEnter the correct value\nEnter category number:2

***** PRODUCTS *****

Id	Name	Price
7	Mango	60.000
8	Apple	80.000
9	Orange	66.000
10	Grape	75.000

Enter product id:8\nEnter quantity :3\n* Added *

* If you want to go to cart press 1 *\n* if you want to add more items press 2 *\nPlease enter:1

***** SHOPPING CART *****

ProductId	ItemName	Quantity	Price
8	Apple	3	80.000

* Total amouunt : 240.0 *

* If you want to continue shopping press 1 *\n* If you want to remove an item press 2 *\n* If you want checkout press 3 *\n* If you want to log out press 4 *\nPlease press:4

Thank you for shopping with us

```
C:\Users\dines\AppData\Local\Programs\Python\Python38-32\Computer projecct>main.py
```

```
* To Register press 1 *  
* To Login press 2 *  
* To Logout 3 *
```

```
Please Enter:2
```

```
Enter your userid :2
```

```
Enter your password :*****
```

```
*****
```

```
***** WELCOME TO F2F SUPERMARKET *****
```

```
* Enter 1 to go to shop *  
* Enter 2 to go to cart *  
* Enter 3 to see order history *  
* Enter 4 to log out *
```

```
Please enter:1
```

```
***** CATEGORIES *****
```

```
Id Category
```

```
-----
```

```
1 Vegetables  
2 Fruits  
3 Personal hygiene  
4 Dairy &Poultry  
5 Grains
```

```
-----
```

```
Enter category number:5
```

```
***** PRODUCTS *****
```

```
Id Name Price
```

```
-----
```

```
18 Basmati Rice 20.000  
19 Wheat 36.000  
20 Matta Rice 44.000
```

```
-----
```

```
Enter product id:18
```

```
Enter quantity :2
```

```
* Added *
```

```
* If you want to go to cart press 1      *
* if you want to add more items press 2 *
Please enter:1
```

```
***** SHOPPING CART *****
```

ProductId	ItemName	Quantity	Price
8	Apple	3	80.000
18	Basmati Rice	2	20.000

```
-----
* Total amouunt : 280.0 *
```

```
* If you want to continue shopping press 1 *
* If you want to remove an item press 2    *
* If you want checkout press 3             *
* If you want to log out press 4           *
Please press:3
```

Thank you for shopping with us

Please be ready with change
Our delivery executive will be at your doorstep shortly
For order details please check order history

```
-----
* Enter 1 to go to main menu *
* Enter 2 to log out          *
* Please enter:2
```

Thank you for shopping with us

C:\Users\dines\AppData\Local\Programs\Python\Python38-32\Computer projecct>main.py

```
* To Register press 1 *
* To Login press      2 *
* To Logout           3 *
```

Please Enter:2

Enter your userid :1

Enter your password :*****

You are the Admin

```
* If you want to update Stocks press 1      *
* If you want to update Categories press 2   *
* If you want to update Products press 3    *
* If you want to Add User press 4           *
* If you want to Remove User press 5        *
* If you want to log out press 6            *
* Please enter:1
```

Id	Name	CategoryId	Price	Active	Stock
1	carrots	1	25.000	1	100
2	Tomato	1	20.000	1	96
3	Cabbage	1	35.000	1	100
4	Chillies	1	20.000	1	100
5	Onion	1	48.000	1	100
6	Potato	1	38.000	1	100
7	Mango	2	60.000	1	94
8	Apple	2	80.000	1	87
9	Orange	2	66.000	1	98
10	Grape	2	75.000	1	96
11	Lux Soap	3	30.000	1	100
12	Palmolive Shampoo	3	120.000	1	98
13	Dove conditioner	3	120.000	1	100
14	Himalya Facewash	3	60.000	1	99
15	Milma Milk	4	20.000	1	100
16	Egg	4	25.000	1	92
17	Amul Ghee	4	150.000	1	100
18	Basmati Rice	5	20.000	1	96
19	Wheat	5	36.000	1	100
20	Matta Rice	5	44.000	1	97

Enter the product id of item's stock to be updated:1

Enter the updated stock :120

UPDATED

You are the Admin

* If you want to update Stocks press 1 *

* If you want to update Categories press 2 *

* If you want to update Products press 3 *

* If you want to Add User press 4 *

* If you want to Remove User press 5 *

* If you want to log out press 6 *

* Please enter:2

Id	Category
1	Vegetables
2	Fruits
3	Personal hygiene
4	Dairy &Poultry
5	Grains

* If you want to add Category press 1 *

* If you want to delete Category press 2 *

* Please enter:1

Enter the category name :Snacks

```
Enter the category name :Snacks
Category created
Category id is (6,)
```

```
You are the Admin
```

```
* If you want to update Stocks press 1      *
* If you want to update Categories press 2   *
* If you want to update Products press 3     *
* If you want to Add User press 4            *
* If you want to Remove User press 5         *
* If you want to log out press 6             *
* Please enter:2
```

```
Id    Category
1     Vegetables
2     Fruits
3     Personal hygiene
4     Dairy &Poultry
5     Grains
6     Snacks
```

```
      * If you want to add Category press 1      *
      * If you want to delete Category press 2   *
      * Please enter:2
```

```
-----
Enter the id of category to be removed :6
Category deleted
```

```
You are the Admin
```

```
* If you want to update Stocks press 1      *
* If you want to update Categories press 2   *
* If you want to update Products press 3     *
* If you want to Add User press 4            *
* If you want to Remove User press 5         *
* If you want to log out press 6             *
* Please enter:3
```


Id	Name	CategoryId	Price	Active	Stock
1	carrots	1	25.000	1	120
2	Tomato	1	20.000	1	96
3	Cabbage	1	35.000	1	100
4	Chillies	1	20.000	1	100
5	Onion	1	48.000	1	100
6	Potato	1	38.000	1	100
7	Mango	2	60.000	1	94
8	Apple	2	80.000	1	87
9	Orange	2	66.000	1	98
10	Grape	2	75.000	1	96
11	Lux Soap	3	30.000	1	100
12	Palmolive Shampoo	3	120.000	1	98
13	Dove conditioner	3	120.000	1	100
14	Himalya Facewash	3	60.000	1	99
15	Milma Milk	4	20.000	1	100
16	Egg	4	25.000	1	92
17	Amul Ghee	4	150.000	1	100
18	Basmati Rice	5	20.000	1	96
19	Wheat	5	36.000	1	100
20	Matta Rice	5	44.000	1	97

* If you want to add Product press 1 *

* If you want to delete Product press 2 *

* Please enter:1

Enter the product name Spinach

Enter the category id 1

Enter the price per unit20

Enter the stock 100

Product Added

Product id is (21,)

ADDED

You are the Admin

* If you want to update Stocks press 1 *

* If you want to update Categories press 2 *

* If you want to update Products press 3 *

* If you want to Add User press 4 *

* If you want to Remove User press 5 *

* If you want to log out press 6 *

* Please enter:3

* Please enter:3

Id	Name	CategoryId	Price	Active	Stock
1	carrots	1	25.000	1	100
2	Tomato	1	20.000	1	100
3	Cabbage	1	35.000	1	100
4	Chillies	1	20.000	1	100
5	Onion	1	48.000	1	100
6	Potato	1	38.000	1	100
7	Mango	2	60.000	1	100
8	Apple	2	80.000	1	100
9	Orange	2	66.000	1	100
10	Grape	2	75.000	1	100
11	Lux Soap	3	30.000	1	100
12	Palmolive Shampoo	3	120.000	1	100
13	Dove conditioner	3	120.000	1	100
14	Himalya Facewash	3	60.000	1	100
15	Milma Milk	4	20.000	1	100
16	Egg	4	25.000	1	100
17	Amul Ghee	4	150.000	1	100
18	Basmati Rice	5	20.000	1	100
19	Wheat	5	36.000	1	100
20	Matta Rice	5	44.000	1	100
21	Spinach	1	20.000	1	100

* If you want to add Product press 1 *

* If you want to delete Product press 2 *

* Please enter:2

Enter the id of product to be removed :21

Deleted

You are the Admin

* If you want to update Stocks press 1 *

* If you want to update Categories press 2 *

* If you want to update Products press 3 *

* If you want to Add User press 4 *

* If you want to Remove User press 5 *

* If you want to log out press 6 *

* Please enter:4

Id	Lastname	Firstname	Username	EmailId	Address	Phonenumber	password	Active	Role
1	Rema	Karta	rema.karta	rema@hotmail.com	Thillakam house KRA lane 7	8712673451	F2F_market	admin 0	Admin
2	Anu	Guptha	anu.guptha	anu.guptha@test.com	lily gardens,KM Road	92656489267	Ag1987	0	Customer
3	Tiya	George	tiya.george	tiya.george@try.com	ace nimbus,kara lane5	9895350929	tiya@86	0	Customer
4	Liya	Mathew	liya.mathew	liya.mathew@test.com	31,nivya road,	92678989267	Mat88	0	Customer
5	Taniya	Cheriyen	taniya.cheriyen	taniya.cheriyen@pint.com	leela gardens,infopark rd	8382387999	Tan01	0	Customer
6	Alen	Xavier	alen.xavier	alen.xavier@test.com	pearl avenue,RRT Road	9298267765	Xavi47	0	Customer
8	Ravindran	Manu	manu.ravindran	ravi@gmail.com	Krishnapuram house , Edachira	7864103954	123manu	1	Customer
9	Pothan	Angel	angel .pothan	angel@gmail.com	Samsung villa, Pondichery	7873441023	Ang@334	0	Customer

Enter first name :Shreya

Enter last name :Gokul

Enter your address :House 22 , Madine Villa,Kuzhikaattumoola

Enter valid phone number :9895668894

Enter password :*****

Enter email :Gokul@hotmail.com

Enter the role (Customer/Admin):Customer

User Added

UserId is : 10

You are the Admin

* If you want to update Stocks press 1 *

* If you want to update Categories press 2 *

* If you want to update Products press 3 *

* If you want to Add User press 4 *

* If you want to Remove User press 5 *

* If you want to log out press 6 *

* Please enter:5

Id	Lastname	Firstname	Username	EmailId	Address	Phonenumber	password	Active	Role
1	Rema	Karta	rema.karta	rema@hotmail.com	Thillakam house KRA lane 7	8712673451	F2F_market_admin	0	Admin
2	Anu	Guptha	anu.guptha	anu.guptha@test.com	lily gardens,KM Road	92656489267	Ag1987	0	Customer
3	Tiya	George	tiya.george	tiya.george@try.com	ace nimbus,kara lane5	9895350929	tiya@86	0	Customer
4	Liya	Mathew	liya.mathew	liya.mathew@test.com	31,nivya road,	92678989267	Mat88	0	Customer
5	Taniya	Cheriyen	taniya.cheriyen	taniya.cheriyen@pint.com	leela gardens,infopark rd	8382387999	Tan01	0	Customer
6	Alen	Xavier	alen.xavier	alen.xavier@test.com	pearl avenue,RRT Road	9298267765	Xavi47	0	Customer
8	Ravindran	Manu	manu.ravindran	ravi@gmail.com	Krishnapuram house , Edachira	7864103954	123manu	1	Customer
9	Pothan	Angel	angel.pothan	angel@gmail.com	Samsung villa, Pondichery	7873441023	Ang@334	0	Customer
10	Gokul	Shreya	shreya.gokul	Gokul@hotmail.com	House 22 , Madine Villa,Kuzhikaattumoola	9895668894	Shreya123	0	Customer

Enter the id of user to be removed :10
USER IS REMOVED

You are the Admin

* If you want to update Stocks press 1 *
* If you want to update Categories press 2 *
* If you want to update Products press 3 *
* If you want to Add User press 4 *
* If you want to Remove User press 5 *
* If you want to log out press 6 *
* Please enter:6

Closed

C:\Users\dines\AppData\Local\Programs\Python\Python38-32\Computer projecct>main.py

* To Register press 1 *
* To Login press 2 *
* To Logout 3 *

Please Enter:2

Enter your userid :3

Enter your password :*****

***** WELCOME TO F2F SUPERMARKET *****

* Enter 1 to go to shop *
* Enter 2 to go to cart *
* Enter 3 to see order history *
* Enter 4 to log out *

Please enter:1

***** CATEGORIES *****

Id	Category
1	Vegetables
2	Fruits
3	Personal hygiene
4	Dairy &Poultry
5	Grains

Enter category number:1

***** PRODUCTS *****

Id	Name	Price
1	carrots	25.000
2	Tomato	20.000
3	Cabbage	35.000
4	Chillies	20.000
5	Onion	48.000
6	Potato	38.000

Enter product id:6

Enter quantity :3

* Added *

* If you want to go to cart press 1 *
* if you want to add more items press 2 *
Please enter:2

***** CATEGORIES *****

Id	Category
----	----------

1	Vegetables
2	Fruits
3	Personal hygiene
4	Dairy &Poultry
5	Grains

Enter category number:4

***** PRODUCTS *****

Id	Name	Price
15	Milma Milk	20.000
16	Egg	25.000
17	Amul Ghee	150.000

Enter product id:16

Enter quantity :2

* Added *

* If you want to go to cart press 1 *

* if you want to add more items press 2 *

Please enter:2

***** CATEGORIES *****

Id	Category
----	----------

1	Vegetables
2	Fruits
3	Personal hygiene
4	Dairy &Poultry
5	Grains

Enter category number:4

***** PRODUCTS *****

Id	Name	Price
15	Milma Milk	20.000
16	Egg	25.000
17	Amul Ghee	150.000

Enter product id:15

Enter quantity :2

Enter product id:15

Enter quantity :2

* Added *

* If you want to go to cart press 1 *

* if you want to add more items press 2 *

Please enter:1

***** SHOPPING CART *****

ProductId	ItemName	Quantity	Price
6	Potato	3	38.000
16	Egg	2	25.000
15	Milma Milk	2	20.000

* Total amouunt : 204.0 *

* If you want to continue shopping press 1 *

* If you want to remove an item press 2 *

* If you want checkout press 3 *

* If you want to log out press 4 *

Please press:3

Thank you for shopping with us

Please be ready with change

Our delivery executive will be at your doorstep shortly

For order details please check order history

* Enter 1 to go to main menu *

* Enter 2 to log out *

* Please enter:1

***** WELCOME TO F2F SUPERMARKET *****

* Enter 1 to go to shop *

* Enter 2 to go to cart *

* Enter 3 to see order history *

* Enter 4 to log out *

Please enter:3

```

Please enter:3
***** ORDER HISTORY *****
ItemName           Quantity  Price    Date
Potato              3        38.000   2022-02-04
Egg                 2        25.000   2022-02-04
Milma Milk          2        20.000   2022-02-04
*****
***** WELCOME TO F2F SUPERMARKET *****

* Enter 1 to go to shop      *
* Enter 2 to go to cart     *
* Enter 3 to see order history *
* Enter 4 to log out        *

Please enter:4
Thank you for shopping with us
```

CONCLUSION

Field to Fridge is an easy to online shopping service that prioritizes users and their comfort.

The entire platform is menu driven and user friendly.

Its an easy and innovative solution for a grocery store. Stay in the comfort and safety of your home and enjoy the new shopping experience.

Happy shopping!!

BIBLIOGRAPHY

- i) Computer science with python class XI –Preeti Arora
- ii) Computer science with python class XII –Preeti Arora
- iii) <https://www.geeksforgeeks.org>
- iv) <https://stackoverflow.com>