

PM SHRI KENDRIYA VIDYALAYA BERHAMPUR



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केन्द्रीय विद्यालय संगठन

SESSION: - 2024-2025

A Project Report On **E-COMMERCE (BLUEBERRY)**

For CBSE 2025 Examination

(As a part of the Computer Science Course(083))

SUBMITTED BY:

SUBHASHMITA PANIGRAHI

CLASS: XII-A

ROLL NO :

UNDER THE GUIDANCE OF:

Mr. Saroj Kanta Misra

(PGT Computer Science)

Certificate

This is to certify that ***SUBHASHMITA PANIGRAHI***
student of class XII A of ***PM SHRI KENDRIYA***
VIDYALAYA BERHAMPUR has done her project
on

E-COMMERCE under my supervision. She has
taken her interest and has shown at most sincerity
in completion of this project. I certified this project
upto my expectation and as per guidelines issued
by **CBSE, NEW DELHI**

INTERNAL EXAMINER

EXTERNAL EXAMINER

PRINCIPAL

Acknowledgement

It is with pleasure that I acknowledge my sincere gratitude to our teacher, **MR. S.K.MISRA** who taught and undertook the responsibility of teaching the subject computer science. I have been greatly benefited from his classes.

I am especially indebted to our principal **MR.SHIVA PRIYA DASH** who has always been a source of encouragement and support and without whose inspiration this project would not have been a successful I would like to place record heartfelt thanks to him.

Finally, I would like to express my sincere appreciation for all the other students for my batch their friendship & the fine time that we all share together.

NAME : SUBHASMITA PANIGRAHI

CLASS: XII-A

SIGN :

Hardware And Software Required

Hardware

1. PC(Intel i3 processor ,40RAM)
2. Laptop

Software

1. My sql (version 8.0)
2. Python (version 3.13.1)
3. Pyhton Connector Module

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Introduction

The rise of e-commerce has revolutionized the way businesses interact with customers, providing them with the opportunity to reach a global market with a seamless online shopping experience. This project focuses on building an e-commerce website using Python and MySQL. The website will offer various features such as product browsing, order management, user and seller interactions, and feedback collection, all designed to create a smooth and secure online shopping experience for both customers and sellers. The goal of this project is to design and implement a fully functional e-commerce platform where customers can browse products, place orders, and provide feedback, while sellers can manage their product listings and receive feedback. The system will use Python for backend development. MySQL will serve as the relational database, storing and managing user data, product details, orders, and other critical information.

SQL Tables and Database Design

The website will rely on six key tables to manage data effectively:

Customers: This table will store details of all registered customers, including personal information such as name, email, shipping address, and contact number. It will also track customer activity and order history.

Columns:customer_ID(PrimaryKey),user_name, password,full_name, address, phone_number, email_ID

Products: This table will contain information about the products available on the platform, such as product name, price, brand, description, stock quantity, and category. It will enable customers to browse products and make purchasing decisions.

Columns: product_id (Primary Key), category, Name, Quantity, Price, Brand_Name, seller_id.

Orders: The Orders table will store information about each order placed by customers, including the products ordered, quantities, total price, order status, and payment details. This table will help track order progress from placement to delivery.

Columns: Transaction_id (Primary Key), customer_id (Foreign Key), product_id (Foreign Key), Date_of_dispatch, quantity, price, Amount.

Feedback: To enhance customer satisfaction, this table will collect feedback from customers regarding their shopping experience, product quality, and delivery service. Feedback will be stored with ratings and comments.

Columns: customer_id (Foreign Key), feedback, Seller_ID, product_id (Foreign Key), Seller_Name.

Seller: This table will store information about the sellers who list their products on the platform. Seller data will include business name, contact information, and product listing details.

Columns: seller_id (Primary Key), seller_name, Brand_Name, Username, Password, Phone_no., email_id.

Feedback: Just as customers provide feedback, sellers will also have the opportunity to provide feedback on their interactions with customers. This feedback will help improve the quality of service on both sides of the platform.

Columns: seller_id (Primary Key),Feedback,Rating.

Project objective

Functionalities

The website will include a variety of features to enhance the shopping experience:

Customer Interface:

User Authentication: Secure login and registration system.

Product Browsing: Customers can browse products by category, brand, or search term.

Order Placement: Customers can place orders, view order history, or cancel or exchange orders.

Feedback: Customers can rate and review products after purchase.

Seller Interface:

Product Listing Management: Sellers can add, update, or remove products.

Order Management: Sellers can view and manage orders placed for their products.

Seller Feedback: Sellers can view feedback provided by customers and rate the customers.

SOURCE

CODE

```
import mysql.connector as m
from datetime import date
```

```
def welcome():
```

```
    db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
    print('-----')
    print('-----Namaste-----')
    print('***** Welcome to Blueberry *****')
    print('-----')
    print('What is your role: ')
    print('Press 1 for SELLER')
    print('Press 2 for CUSTOMER')
    try:
        x=int(input('Enter 1 or 2:'))
    except ValueError:
        print('Please enter valid input:')
        welcome()
    else:
        if x==1:
            scheck()
        elif x==2:
            identity()
        else:
            print('Please enter valid input')
            welcome()
    finally:
        db.commit()
```

```
def identity():
```

```
    db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
    print('-----')
    print('If already a user,press 1')
    print('If new press 2 login to create acc')
    try:
        x=int(input('Enter 1 or 2:'))
    except ValueError:
        print('Please enter valid input')
        identity()
    else:
        if x==1:
            login()
        elif x==2:
            create()
        else:
            print('Enter valid input')
            identity()
    finally:
        db.commit()
```

```
def create():
```

```
    db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
    co=db.cursor()
    try:
        print('-----')
```

```

n=input('Enter your full name: ')

if n.isdigit()==False:
    name=n
else:
    print('Please enter valid Name')
    create()
user=input('Enter username:')
password=input('Enter password:')
address=input('Enter address:')
p=int(input('Enter phone:'))
if len(str(p))==10:
    phone=p
else:
    print('Please enter valid Phone No.')
    create()
email=input('Enter email:')
if "@" and "." in email:
    co.execute('select max(Customer_ID) from Customers')
    x=co.fetchone()
    high=int(x[0])+1
    co.execute('insert into Customer values({}, "{}", "{}", "{}", "{}", {}, "{}")'.format(high,user,password,name,address,phone,email))
    db.commit()
else:
    print('Please enter valid email')
    create()
except ValueError:
    print('Please enter valid input')
    create()
else:
    print('-----')
    print('Your account is succesfully created')
    print('Your customer ID is:',high)
    login()

```

def login():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    x=input('enter username: ')
    y=input('enter password: ')
    co.execute('select * from customers;')
    data=co.fetchall()
    c=0
    for i in data:
        if i[1]==x:
            c=c+1
            if i[2]==y:
                menu()
            else:
                print('Incorrect password')
                login()
    if c==0:
        print('Invalid username')
        login()

```

```

except ValueError:
    print('Please enter valid input')
    login()
finally:
    db.commit()

```

def menu():

```

    print('-----')
    print('***** MENU *****')
    print('-----')
    print('MENU')
    print('PRESS 1 TO SEARCH')
    print('PRESS 2 TO VIEW PURCHASE HISTORY')
    print('PRESS 3 TO PLACE ORDER')
    print('PRESS 4 TO RETURN')
    print('PRESS 5 TO CANCEL ORDER')
    print('PRESS 6 TO GIVE FEEDBACK')
    print('PRESS 7 TO EXIT')
    print('-----')
    try:
        ch=int(input('Enter your choice: '))
    except ValueError:
        print('Please enter valid output')
        menu()
    else:
        if ch==1:
            search()
        elif ch==2:
            purchase_history()
        elif ch==3:
            order()
        elif ch==4:
            product_return()
        elif ch==5:
            cancel_order()
        elif ch==6:
            feedback()
        elif ch==7:
            print('THANK YOU FOR USING BLUEBERRY')
            print('-----')
        else:
            print('Please enter valid output')
            menu()

```

def search():

```

while True:
    print('-----')
    print('Press 1 to search via categories: ')
    print('Press 2 to search via brands: ')
    print('Press 3 to view all products: ')
    print('Press 4 to go to previous menu: ')
    print('Press 5 to exit: ')
    print('-----')
    try:
        ch=int(input('Enter your choice' ))
    except ValueError:

```

```

    print('Please enter vaild input')
    search()
else:
    if ch==1:
        category()
    elif ch==2:
        brand()
    elif ch==3:
        allproduct()
    elif ch==4:
        menu()
    elif ch==5:
        break
    else:
        print('Please enter valid input')
        search()

```

def category():

```

print('PLEASE SELECT FROM FOLLOWING CATEGORIES: ')
db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
co.execute('select distinct Category from Products')
data=co.fetchall()
for i in data:
    print(i)
try:
    cat=input('Enter category to search')
    co.execute('select * from Products where category like "%{}%".format(cat))
    char=co.fetchall()
    c=0
    for i in char:
        c=c+1
        print('-----')
        print('PRODUCT NUMBER ',c)
        print('Product ID: ',i[0])
        print('Category: ',i[1])
        print('Name: ',i[2])
        print('Quantity available: ',i[3])
        print('Price: ',i[4])
        print('Brand Name: ',i[5])
        print('Seller ID: ',i[6])
        print('-----')
    print('TO PLACE ORDER ENTER 55')
    print('TO GO BACK TO PREVIOUS MENU ENTER 77')
    ord=int(input('Enter your choice: '))
except ValueError:
    print('-----')
    print('Please enter valid input')
    category()
else:
    if ord==55:
        order()
    elif ord==77:
        search()
    else:
        print('-----')

```

```
    print('Please enter valid input')
    category()
finally:
    db.commit()
```

def brand():

```
print('PLEASE SELECT FROM FOLLOWING BRANDS: ')
db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
co.execute('select distinct Brand_Name from Products')
data=co.fetchall()
for i in data:
    print(i)
try:
    cat=input('Enter category to search')
    co.execute('select * from Products where Brand_Name like "%{}%"'.format(cat))
    char=co.fetchall()
    c=0
    for i in char:
        print('-----')
        c=c+1
        print('PRODUCT NUMBER ',c)
        print('Product ID: ',i[0])
        print('Category: ',i[1])
        print('Name: ',i[2])
        print('Quantity available: ',i[3])
        print('Price: ',i[4])
        print('Brand Name: ',i[5])
        print('Seller ID: ',i[6])
        print('-----')
    print('TO PLACE ORDER ENTER 55')
    print('TO GO BACK TO PREVIOUS MENU ENTER 77')
    ord=int(input('Enter your choice: '))
except ValueError:
    print('Please enter valid input')
    brand()
else:
    if ord==55:
        order()
    elif ord==77:
        search()
    else:
        print('Please enter valid input')
        brand()
finally:
    db.commit()
```

def allproduct():

```
print('Following are all the products available: ')
db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
co.execute('select * from Products')
data=co.fetchall()
c=0
for i in data:
    print('-----')
```

```

c=c+1
print('PRODUCT NUMBER ',c)
print('Product ID: ',i[0])
print('Category: ',i[1])
print('Name: ',i[2])
print('Quantity available: ',i[3])
print('Price: ',i[4])
print('Brand Name: ',i[5])
print('Seller ID: ',i[6])
print('-----')
print('TO PLACE ORDER ENTER 55')
print('TO GO BACK TO PREVIOUS MENU ENTER 77')
try:
    ord=int(input('Enter your choice: '))
except ValueError:
    print('Please enter valid input')
    allproduct()
else:
    if ord==55:
        order()
    elif ord==77:
        search()
    else:
        print('Please enter valid input')
        allproduct()
finally:
    db.commit()

```

def purchase_history():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    cust=int(input('Enter your customer id to proceed: '))
except:
    print('Enter valid input')
    purchase_history()
else:
    co.execute("select * from orders where customer_id={}".format(cust))
    data=co.fetchall()
    if len(data)>0:
        c=0
        for i in data:
            c=c+1
            print('-----')
            print("ORDER NUMBER: ",c)
            print("Transaction ID: ",i[0])
            print("Product ID: ",i[2])
            print("Date of dispatch: ",i[3])
            print("Quantity placed: ",i[4])
            print("Price: ",i[5])
            print("Total Amount: ",i[6])
            print('-----')
        else:
            print('No orders placed')
            print('To place order press 22')

```

```

print("To go back to the main menu, press 33")
ch=int(input('Enter your choice: '))
if ch==22:
    order()
elif ch==33:
    menu()
else:
    print("Please enter valid input")
    menu()
finally:
    db.commit()
    menu()

```

def order():

```

print('TO PLACE ORDER ENTER THE FOLLOWING DETAILS: ')
db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    cust=int(input("Enter your customer id to proceed: "))
    prd=int(input("Enter the product id: "))
    to=date.today()
    qty=int(input("Enter quantity of product: "))
    co.execute('select quantity from products where product_id={}'.format(prd))
    y=co.fetchone()
    x=y[0]
    if int(x)>qty:
        co.execute('select max(Transaction_ID) from Orders')
        x=co.fetchone()
        high=int(x[0])+1
        co.execute('select * from products where product_id={}'.format(prd))
        data=co.fetchone()
        pid=data[0]
        pri=data[4]
        amo=pri*qty
        print('Your total amount is: ',amo)
        print('To confirm your order, Press 55')
        print('To search again, Press 22')
        ch=int(input('Enter your choice: '))
        if ch==55:
            co.execute('insert into orders values({}, {}, {}, {}, {}, {}, {})'.format(high, cust, pid, to, qty, pri, amo))
            co.execute('update products set quantity=quantity-{} where product_id={}'.format(qty, pid))
            print('-----')
            print('Your order is successfully placed')
            db.commit()
            print('Your Transaction ID is: ',high)
            print('Total amount: ',amo)
            print('-----')
            print('NOTE: Please note the transaction id for future references')
            print('To go back to the main menu, Press 1')
            choice=int(input('Enter your choice: '))
            if choice==1:
                menu()
            else:
                print('Please enter valid input')
                order()

```



```

elif ch==22:
    search()
else:
    print('Please enter valid input')
    order()
elif int(x)>1 and int[y][0]<qty:
    print('Sufficient quantity is not available')
    print('Quantity available: ',int[y][0])
    menu()
elif int(x)==0:
    print('-----')
    print('Out of stock')
    menu()
db.commit()
except ValueError:
    print('Please enter vaild input')
    order()

```

def product_return():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    cust=int(input('Enter your customer id:'))
    pro=int(input('Enter your product id:'))
    tra=int(input('Enter your transition id:'))
    print('-----')
    print('Press 1, If your product is damage:')
    print('Press 2,If your product is broken:')
    print('Press 3,wrong item:')
    print('Press 4,If wrong fitting:')
    print('Press 5,If any other reason type below:')
    print('-----')
    a=int(input("Enter your choice:"))
    if a==1 or a==2:
        cancel_order()
    elif a==3 or a==4:
        print("Press 1,If you want to exchange")
        print("Press 2,If you want to cancel")
        b=int(input("Enter your choice:"))
        if b==1:
            exchange()
        elif b==2:
            cancel_order()
    else:
        print("Please enter vaild input")
        product_return()
    elif a==5:
        c=input("Please enter your reason")
        print("Press 1,If you want to exchange")
        print("Press 2,If you want to cancel")
        d=int(input("Enter your choice:"))
        if d==1:
            exchange()
        elif d==2:
            cancel_order()
    else:

```

```

        print('Please enter vaild input')
        product_return()
    else:
        print('Please enter vaild input')
        product_return()
except ValueError:
    print('Please enter vaild input')
    product_return()
finally:
    db.commit()

```

def exchange():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    cust=int(input('Enter your customer id: '))
    pro=int(input("Enter Product Id: "))
    print("Press 1, if you want to rebuy the same product")
    print("Press 2,if you want to buy anythingelse")
    a=int(input("Enter your choice"))
    if a==1:
        order()
    elif a==2:
        search()
    else:
        print('Please enter vaild input')
        exchange()
except ValueError:
    print('Please enter vaild input')
    exchange()
else:
    print('Your order is succesfully exchanged')
finally:
    db.commit()
    menu()

```

def cancel_order():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    cust=int(input('Enter your customer id: '))
    pro=int(input("Enter Product Id: "))
    tra=int(input("Enter Transaction ID:"))
    co.execute('select * from orders where Transaction_ID={}'.format(tra))
    data=co.fetchone()
    if data[1]==cust and data[2]==pro:
        co.execute('delete from orders where Transaction_ID={}'.format(tra))
        print('Your order is succesfully cancelled')
        qty=data[4]
        co.execute('update products set quantity=quantity+{} where product_id={}'.format(qty,pro))
        db.commit()
        menu()
    else:

```

```

        print('Please enter valid input')
        cancel_order()
except ValueError:
    print('Please enter valid input')
    cancel_order()

```

def feedback():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
print('-----')
print('Your valuable feedbacks are always appreciated')
print('Please spare a few moments to give your opinion')
print('To give opinion about our app press 22')
print('To give opinion about a specific product press 33')
try:
    ch=int(input('Enter your choice: '))
    if ch==22:
        print('Give your opinion below')
        feed=input('Type your suggestions')
        cust=int(input('Enter your customer id: '))
        print('Thank You for your feedback ')
        co.execute('insert into feedbacks (Customer_ID,Feedback) values ({},'{}').format(cust,feed))
        db.commit()
        menu()
    elif ch==33:
        print('Give your opinion below')
        cust=int(input('Enter your customer id: '))
        pro=int(input('Enter the product id: '))
        co.execute('select seller_id from products where product_id={}'.format(pro))
        data=co.fetchone()
        sell=data[0]
        co.execute('select seller_name from products p,seller s where p.seller_id=s.seller_id and product_id={}'.format(pro))
        data1=co.fetchone()
        sname=data1[0]
        feed=input('Type your suggestions')
        print('Thank You for your feedback ')
        co.execute('insert into feedbacks values ({},'{}',{},{},'{}').format(cust,feed,sell,pro,sname))
        db.commit()
        menu()
except ValueError:
    print('Please enter valid input')
    feedback()

```

def scheck():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
print('-----')
print('If already a user,press 1')
print('If new press 2 login to create acc')
try:
    x=int(input('Enter 1 or 2: '))
except ValueError:
    print('Please enter valid input')
    scheck()
else:
    if x==1:
        slogin()

```

```

elif x==2:
    seller()
else:
    print('Enter valid input')
    scheck()
finally:
    db.commit()

```

def seller():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    name=input('Enter Your Full Name:')
    username=input('Enter a Username:')
    password=input('Enter a Password:')
    bname=input('Enter a Brand Name:')
    phone=int(input('Enter your Phone No.:'))
    email=input('Enter your email id:')
    if "@" and "." in email:
        co.execute('select max(Seller_ID) from seller')
        s=co.fetchone()
        sid=int(s[0])+1
        co.execute('insert into seller values ({},{},{},{},{},{},{})'.format(sid,name,bname,username,password,phone,email))
        db.commit()
    else:
        print('Please enter valid email')
        seller()
except ValueError:
    print('Please enter valid input')
    seller()
else:
    print('Your account is successfully created')
    print('Your seller ID is:',sid)
    slogin()

```

def slogin():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    x=input('enter username: ')
    y=input('enter password: ')
    co.execute('select * from seller')
    data=co.fetchall()
    c=0
except ValueError:
    print('Please enter valid input')
    slogin()
else:
    for i in data:
        if i[3]==x:
            c=c+1
            if i[4]==y:
                smenu()
            else:

```

```

        print("Incorrect password")
        slogin()
    if c==0:
        print ('Invalid username')
        slogin()
    finally:
        db.commit()

```

def smenu():

```

    print('-----')
    print('***** MENU *****')
    print('-----')
    print("To Add Item, Enter 1")
    print("To Delete Item, Enter 2")
    print("To update Item, Enter 3")
    print("To give feedback, Enter 4")
    print("To view your product_id, Enter 5")
    print("To exit, Enter 6")
    try:
        c=int(input('Enter your choice:'))
    except ValueError:
        print('Please enter vaild input')
        smenu()
    else:
        if c==1:
            Adds()
        elif c==2:
            delete_item()
        elif c==3:
            update_item()
        elif c==4:
            sfeedback()
        elif c==5:
            sview()
        elif c==6:
            print("THANK YOU FOR USING BLUEBERRY")
            print('-----')
        else:
            print('Enter vaild input')
            smenu()

```

def Adds():

```

    db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
    co=db.cursor()
    try:
        print('-----')
        cat=input('Enter category of product:')
        name=input('Enter name of product:')
        qyt=int(input('Enter quantity of product:'))
        pri=int(input('Enter price of product:'))
        sid=int(input('Enter your seller ID:'))
        co.execute('select seller_name from seller where seller_id={}'.format(sid))
        data1=co.fetchone()
        bname=input('Enter your brand name:')
        co.execute('select max(Product_ID) from products')
        data=co.fetchone()

```

```

h=int(data[0])+1
if len(data1)==0:
    print("Please enter valid seller_id")
    Adds()
else:
    co.execute('insert into products values({}, "{}", "{}", {}, {}, "{}", {})'
               .format(h,cat,name,qyt,pri,bname,sid))
    db.commit()
    print('-----')
    print ('Your product ID is ',h)
except ValueError:
    print('Please enter vaild input')
    Adds()
else:
    print('Your product is succesfully added ')
    smenu()

```

def delete_item():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
try:
    print('-----')
    ch=int(input("Enter product_ID: "))
    co.execute('select * from products where product_ID={}'.format(ch))
    data=co.fetchone()
    try:
        if data[0]==ch:
            co.execute('delete from products where product_ID={}'.format(ch))
            print('Your produce is succesfully deleted')
        else:
            print('Please enter valid input')
            delete_item()
    db.commit()
    smenu()
except:
    print('Please enter vaild input')
    delete_item()
except ValueError:
    print('Please enter vaild input')
    delete_item()

```

def update_item():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
print('-----')
print('Press 1, To update price')
print('Press 2, To update quantity')
print('Press 3, To change produce name ')
print('Press 4, To change brand name ')
print('Press 5, To change category ')
try:
    ch=int(input('Enter your choice: '))
    pid1=int(input('Enter product ID: '))
    co.execute('select * from products where product_Id={}'.format(pid1))
    data=co.fetchall()
    if len(data)==0:
        print('Please enter valid Product_ID')

```

```

        update_item()
    else:
        if ch==1:
            pri=int(input('Enter price to update: '))
            co.execute('update products set Price={} where Product_ID={}'.format(pri,pid1))
            db.commit()
            print('Price is succesfully updated')
        elif ch==2:
            qty=int(input('Enter quantity to update: '))
            co.execute('update products set Quantity={} where Product_ID={}'.format(qty,pid1))
            db.commit()
            print('Quantity is succesfully updated')
        elif ch==3:
            s=input('Enter name of product to update: ')
            co.execute('update Products set Name={} where Product_ID={}'.format(s,pid1))
            db.commit()
            print('Name of produce is succesfully updated')
        elif ch==4:
            brand=input('Enter name of brand to update: ')
            co.execute('update Products set Brand_Name={} where Product_ID={}'.formate(brand,pid1))
            db.commit()
            print("Name of brand is succesfully updated")
        elif ch==5:
            cat=input('Enter category to update: ')
            co.execute('update Products set Category={} where Product_ID={}'.formate(cat,pid1))
            db.commit()
            print('Name of category is succesfully updated')
        else:
            print('Please enter valid input')
            update_item()
            db.commit()
    except ValueError:
        print('Please enter vaild input')
        update_item()
    else:
        smenu()

```

def sfeedback():

```

db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
co=db.cursor()
print('-----')
print('Your valuable feedbacks are always valued')
print('Please spare a few moments to give your opinion')
print('Give your opinion below')
try:
    feed=input("Type your suggestions: ")
    sid=int(input("Enter your seller ID: "))
    rating=int(input("Enter rating out of 5:"))
    co.execute('insert into sfeedback values ({}, "{}", {})'.format(sid,feed,rating))
    db.commit()
except ValueError:
    print('Please enter vaild input')
    sfeedback()
else:
    print("Thank You for your feedback ")
    print('-----')

```

```
smenu()
```

```
def sview():
```

```
db=m.connect(host='localhost',user='root',password='admin',database='e_commerce')
```

```
co=db.cursor()
```

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

```
try:
```

```
sell=int(input('Enter your Seller_ID: '))
```

```
co.execute('select product_id,name from products where seller_id={}'.format(sell))
```

```
data=co.fetchall()
```

```
except:
```

```
print('Please enter vaild input')
```

```
sview()
```

```
else:
```

```
if len(data)==0:
```

```
print('Please enter valid Seller_ID')
```

```
sview()
```

```
else:
```

```
print('Following are your Product_ID: ')
```

```
for i in data:
```

```
print('Product_ID: ',i[0], 'Product Name: ',i[1])
```

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

```
db.commit()
```

```
welcome()
```


MySQL

DATABASES

E-COMMERCE DATABASE:

```
mysql> use e_commerce;
Database changed
mysql> show tables;
+-----+
| Tables_in_e_commerce |
+-----+
| customers              |
| feedbacks              |
| orders                 |
| products                |
| seller                  |
| sfeedback               |
+-----+
6 rows in set (0.00 sec)
```

CUSTOMER TABLE:

```
mysql> select * from customers;
+-----+-----+-----+-----+-----+-----+-----+
| Customer_ID | User_Name | Password | Full_Name | Address | Phone_No_ | Email_ID |
+-----+-----+-----+-----+-----+-----+-----+
| 10001 | Dishabehera_ | disha@ | Disha Behera | Bima nagar 6th lane | 1345883766 | dishabehera@898gmail.com |
| 10002 | roze@fish_ | rosy$ | Suhana Panigrahi | Kalinga nagar 3rd lane | 1908765545 | suhana@698gmail.com |
| 10003 | subha# | subha | Subhasmita Panigrahi | Vivek Bihar 4th lane | 1549577920 | subha@131gmail.com |
| 10004 | jaya@27 | pokemon | Jayasri Padhy | Gandhi Nagar 4th lane | 1478907543 | gudli@097gmail.com |
| 10005 | sneha98 | puru | snehabehera | lanjipuli 5th lane | 234589873 | puru@097gmail.com |
| 10006 | sumeet98 | nitali | Sumeet Panigrahi | Tulsi Nagar 6th lane | 1234567890 | sumeet@30gmail.com |
| 10007 | hrushi@d | disha | Hrushi Maharana | Lotus Nagar 7th lane | 1567897654 | hrushi@899gmail.com |
| 10008 | sumanjh | sumowrestling | Suman Maharana | yuiu Nagar 7th lane | 1567876549 | suman@099gmail.com |
| 10009 | @aks | 1234 | ankita | bima nagar | 12324355 | aks@gmail.com |
| 10010 | @anaa | 12aa | ananya | mahima nagar | 244654322 | anaa@gmail.com |
| 10011 | gu | hg | hg | hj | 87 | hg |
| 10012 | lily | 2222 | adishree das | vani vihar,bhubaneswar | 785674563 | lacksofcolor@gmail.com |
| 10013 | saroj | 123 | saroj | berhampur | 4376776 | hfhg@j.com |
| 10014 | shiny sankit | 150308 | sankit maharana | chandigarh | 34656553 | sankitmaharana@gmail.com |
| 10015 | sumeet@ | 2005 | Sumeet Panigrahi | kaliga vihar | 1234567890 | sumeet@gmail.com |
| 10016 | roze@2021 | 2021 | Suhana Panigrahi | kali vihar, 3rd lane, Dura | 1234567899 | tajpanigrahi@gmail.com |
+-----+-----+-----+-----+-----+-----+-----+
16 rows in set (0.00 sec)
```

FEEDBACK TABLE:

```
mysql> select * from feedbacks;
```

Customer_ID	Feedback	Seller_ID	Product_ID	Seller_Name
10005	expired aloo bhujiya received	203	101	Subhasmita Panigrahi
10016	very wonderful app easy to use	NULL	NULL	NULL
10006	milk we received is expired	209	109	suhana panigrahi
10006	butter we received is expired	209	110	suhana panigrahi
10011	very good product	203	107	sneha
10010	very good soap	203	102	sneha
10008	very easy to use	NULL	NULL	NULL
10015	very easy to use	NULL	NULL	NULL
10015	very easy to place orders	NULL	NULL	NULL
10015	easy to exchange products	NULL	NULL	NULL
10010	very good app	NULL	NULL	NULL
10001	helpfull app	NULL	NULL	NULL

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

ORDER TABLE:

```
12 rows in set (0.00 sec)
mysql> select * from orders;
```

Transaction_ID	Customer_ID	Product_ID	Date_of_Dispatch	Quantity	Price	Amount
1	10010	110	2024-12-31	1	190	190
2	10010	101	2024-12-31	4	60	240
3	10015	109	2024-12-31	1	170	170
4	10005	101	2024-12-02	1	60	60
5	10013	101	2024-11-11	2	60	120
6	10015	103	2024-12-31	1	40	40
7	10016	103	2024-12-29	10	40	400
8	10016	101	2024-12-29	12	60	720
9	10016	102	2024-12-29	1	120	120
10	10014	102	2024-12-31	1	120	120

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

PRODUCT TABLE:

```
mysql> select * from products;
```

Product_ID	Category	Name	Quantity	Price	Brand_Name	seller_id
101	food	bhujiya	489	60	Haldiram	203
102	Bodycare	Dove soap	1999	120	Dove	204
103	Food	Milky Bar	1190	40	COCO	206
104	bodycare	dove shampoo	200	350	dove	204
105	toys	gogball	450	150	ball	209
106	toys	football	789	500	ball	209
107	Bodycare	Bodywash	500	1200	cure&care	205
108	Bodycare	Facewash	900	2000	cure&care	205
109	food	coco butter	700	170	coco	205
110	food	Milk	80	190	coco	205

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

SELLER TABLE:

```
mysql> select * from seller;
```

Seller_ID	Seller_Name	Brand_Name	Username	Password	Phone_no	Email_ID
201	Disha Behera	Apple	disha@	378291	908765433	sumitrabehera@56
202	Suhana Panigrahi	Vivo	suhanA\$	378289	90856797	dishehera@313
203	Subhasmita Panigrahi	Haldiram	ASUBHA</>	37*676	95678767	NULL
204	Sneha Patro	Dove	SNEHA	spur8	923456789	sneha@123
205	Adishree Das	cure&care	lily	2222	23455454	lacksofcolors@gmail.com
206	SUHANA PANIGRAHI	COCO	SUHANA@2	ROZE	1234567890	tajpanigrahi@gmail.com
207	ghfhcg	fghfvh	gfhg	hfgvhg	54784378964	tgfyfgg@gmail.com
208	suhana	free	ssb	2021	1234567890	taj@gmail.com
209	sumeet panigrahi	ball	sumu@2005	2005	1234567890	sumeet@gmail.com

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

SELLER'S FEEDBACK TABLE:

```
mysql> select * from sfeedback;
```

Seller_ID	Feedback	Rating
204	very good	5
204	very good app	5
205	good interface	5
204	very good app , easy to use..)	5
201	very nice app	4
202	easy to use	3
203	easy to add products	5
204	easy to update products	4
205	easy to delete items form menu	3
206	giving feedbacks is very easy	5
206	creating account is very easy	5
208	very detailed	5

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

```
mysql> _
```

OUTPUTS

CUSTOMER'S OUTPUT

STARTING INTERFACE:

```
-----  
-----Namaste-----  
***** Welcome to Blueberry *****  
-----  
What is your role:  
Press 1 for SELLER  
Press 2 for CUSTOMER  
Enter 1 or 2:2  
-----
```

CUSTOMER INTERFACE:

```
-----  
If already a user,press 1  
If new press 2 login to create acc  
Enter 1 or 2:2  
-----
```

CUSTOMER SIGNUP:

```
-----  
Enter your full name: Suhana Panigrahi  
Enter username:roze@2021  
Enter password:2021  
Enter address:kali vihar, 3rd lane, Dura  
Enter phone:1234567899  
Enter email:tajpanigrahi@gmail.com  
-----
```

```
Your account is succesfully created  
Your customer ID is: 10016  
-----
```

CUSTOMER LOGIN:

enter username: roze@2021

enter password: 2021

CUSTOMER MAIN-MENU:

***** MENU *****

MENU

PRESS 1 TO SEARCH

PRESS 2 TO VIEW PURCHASE HISTORY

PRESS 3 TO PLACE ORDER

PRESS 4 TO RETURN

PRESS 5 TO CANCEL ORDER

PRESS 6 TO GIVE FEEDBACK

PRESS 7 TO EXIT

Enter your choice: 1

SEARCH MENU:

Press 1 to search via categories:

Press 2 to search via brands:

Press 3 to view all products:

Press 4 to go to previous menu:

Press 5 to exit:

SELECTING OF PRODUCT(via CATEGORIES):

Enter your choice1

PLEASE SELECT FROM FOLLOWING CATEGORIES:

('food',)

('Bodycare',)

Enter category to searchfood

PRODUCT NUMBER 1

Product ID: 101

Category: food

Name: bhujiya

Quantity available: 501

Price: 60

Brand Name: Haldiram

Seller ID: 203

PRODUCT NUMBER 2

Product ID: 103

Category: Food

Name: Milky Bar

Quantity available: 1200

Price: 40

Brand Name: COCO

Seller ID: 206

SELECTING OF PRODUCT (via BRANDS):

Press 1 to search via categories:

Press 2 to search via brands:

Press 3 to view all products:

Press 4 to go to previous menu:

Press 5 to exit:

Enter your choice2

PLEASE SELECT FROM FOLLOWING BRANDS:

('Haldiram',)

('Dove',)

('COCO',)

Enter category to searchHaldiram

PRODUCT NUMBER 1

Product ID: 101

Category: food

Name: bhujiya

Quantity available: 501
Price: 60
Brand Name: Haldiram
Seller ID: 203

SELECTING OF PRODUCT (via ALL PRODUCTS):

Press 1 to search via categories:
Press 2 to search via brands:
Press 3 to view all products:
Press 4 to go to previous menu:
Press 5 to exit:

Enter your choice3
Following are all the products available:

PRODUCT NUMBER 1
Product ID: 101
Category: food
Name: bhujjiya
Quantity available: 489
Price: 60
Brand Name: Haldiram
Seller ID: 203

PRODUCT NUMBER 2
Product ID: 102
Category: Bodycare
Name: Dove soap
Quantity available: 2000
Price: 120
Brand Name: Dove
Seller ID: 204

PRODUCT NUMBER 3
Product ID: 103
Category: Food
Name: Milky Bar
Quantity available: 1180
Price: 40
Brand Name: COCO
Seller ID: 206

TO PLACE ORDER:

TO PLACE ORDER ENTER 55
TO GO BACK TO PREVIOUS MENU ENTER 77
Enter your choice: 55
TO PLACE ORDER ENTER THE FOLLOWING DETAILS:

Enter your customer id to proceed: 10016
Enter the product id: 103
Enter quantity of product: 10
Your total amount is: 400
To confirm your order, Press 55
To search again, Press 22
Enter your choice: 55

Your order is successfully placed
Your Transaction ID is: 7
Total amount: 400

NOTE: Please note the transaction id for future references

To go back to the main menu, Press 1
Enter your choice: 1

TO VIEW PURCHASE HISTORY:

***** MENU *****

MENU
PRESS 1 TO SEARCH
PRESS 2 TO VIEW PURCHASE HISTORY
PRESS 3 TO PLACE ORDER
PRESS 4 TO RETURN
PRESS 5 TO CANCEL ORDER
PRESS 6 TO GIVE FEEDBACK
PRESS 7 TO EXIT

Enter your choice: 2

Enter your customer id to proceed: 10016

ORDER NUMBER: 1
Transaction ID: 6
Product ID: 103
Date of dispatch: 2024-12-29

Quantity placed: 10
Price: 40
Total Amount: 400

ORDER NUMBER: 2
Transaction ID: 7
Product ID: 103
Date of dispatch: 2024-12-29
Quantity placed: 10
Price: 40
Total Amount: 400

RETURN OF PRODUCT:

***** MENU *****

MENU
PRESS 1 TO SEARCH
PRESS 2 TO VIEW PURCHASE HISTORY
PRESS 3 TO PLACE ORDER
PRESS 4 TO RETURN
PRESS 5 TO CANCEL ORDER
PRESS 6 TO GIVE FEEDBACK
PRESS 7 TO EXIT

Enter your choice: 4

Enter your customer id:10016
Enter your product id:103
Enter your transition id:7

Press 1, If your product is damage:
Press 2, If your product is broken:
Press 3, wrong item:
Press 4, If wrong fitting:
Press 5, If any other reason type below:

Enter your choice:5
Please enter your reason the chocolate I received is expired

EXCHANGE OF PRODUCT:

Press 1, If you want to exchange
Press 2, If you want to cancel
Enter your choice: 1

Enter your customer id: 10016
Enter Product Id: 103
Press 1, if you want to rebuy the same product
Press 2, if you want to buy anything else
Enter your choice: 1
TO PLACE ORDER ENTER THE FOLLOWING DETAILS:

Enter your customer id to proceed: 10016
Enter the product id: 103
Enter quantity of product: 10
Your total amount is: 400
To confirm your order, Press 55
To search again, Press 22
Enter your choice: 55

Your order is successfully placed
Your Transaction ID is: 10
Total amount: 400

NOTE: Please note the transaction id for future references
To go back to the main menu, Press 1
Enter your choice: 1

TO CANCEL PRODUCT:

***** MENU *****

MENU
PRESS 1 TO SEARCH
PRESS 2 TO VIEW PURCHASE HISTORY

PRESS 3 TO PLACE ORDER
PRESS 4 TO RETURN
PRESS 5 TO CANCEL ORDER
PRESS 6 TO GIVE FEEDBACK
PRESS 7 TO EXIT

Enter your choice: 5

Enter your customer id: 10016
Enter Product Id: 103
Enter Transaction ID:10
Your order is succesfully cancelled

TO GIVE FEEDBACK:

***** MENU *****

MENU
PRESS 1 TO SEARCH
PRESS 2 TO VIEW PURCHASE HISTORY
PRESS 3 TO PLACE ORDER
PRESS 4 TO RETURN
PRESS 5 TO CANCEL ORDER
PRESS 6 TO GIVE FEEDBACK

PRESS 7 TO EXIT

Enter your choice: 6

Your valuable feedbacks are always appreciated
Please spare a few moments to give your opinion
To give opinion about our app press 22
To give opinion about a specific product press 33
Enter your choice: 22
Give your opinion below
Type your suggestionsvery wonderful app easy to use
Enter your customer id: 10016
Thank You for your feedback

TO EXIT:

```
-----  
***** MENU *****  
-----
```

```
MENU  
PRESS 1 TO SEARCH  
PRESS 2 TO VIEW PURCHASE HISTORY  
PRESS 3 TO PLACE ORDER  
PRESS 4 TO RETURN  
PRESS 5 TO CANCEL ORDER  
PRESS 6 TO GIVE FEEDBACK  
PRESS 7 TO EXIT  
-----
```

```
Enter your choice: 7  
THANK YOU FOR USING BLUEBERRY  
-----
```

SELLER'S OUTPUT:

STARTING INTERFACE:

```
-----  
-----Namaste-----  
***** Welcome to Blueberry *****  
-----  
What is your role:  
Press 1 for SELLER  
Press 2 for CUSTOMER  
Enter 1 or 2:1
```

SELLER'S INTERFACE:

```
-----  
If already a user,press 1  
If new press 2 login to create acc  
Enter 1 or 2: 2  
-----
```

SELLER'S SIGN IN:

```
-----  
Enter your full name: sumeet panigrahi  
Enter a Username:sumu@2005  
Enter a Password:2005  
Enter a Brand Name:ball  
Enter your contact no:1234567890  
Enter your email id:sumeet@gmail.com  
Your account is succesfully created  
Your seller ID is: 209  
-----
```

SELLER'S LOGIN:

```
-----  
Enter a Username:sumu@2005  
Enter a Password:2005  
-----
```

SELLER'S MENU:

```
-----  
***** MENU *****  
-----
```

```
To Add Item, Enter 1  
To Delete Item, Enter 2  
To update Item, Enter 3  
To give feedback, Enter 4  
To view your product_id, Enter 5  
To exit, Enter 6
```


TO ADD A PRODUCT:

***** MENU *****

To Add Item, Enter 1
To Delete Item, Enter 2
To update Item, Enter 3
To give feedback, Enter 4
To view your product_id, Enter 5
To exit, Enter 6
Enter your choice:1

Enter category of product:toys
Enter name of product:football
Enter quantity of product:500
Enter price of product:200
Enter your seller ID:209
Enter your brand name:ball

Your product ID is 105
Your product is succesfully added

TO DELETE ITEM:

***** MENU *****

To Add Item, Enter 1
To Delete Item, Enter 2
To update Item, Enter 3
To give feedback, Enter 4
To view your product_id, Enter 5
To exit, Enter 6
Enter your choice:2

Enter product_ID: 106
Your produce is succesfully deleted

TO UPDATE ITEM:

***** MENU *****

To Add Item, Enter 1
To Delete Item, Enter 2
To update Item, Enter 3
To give feedback, Enter 4
To view your product_id, Enter 5
To exit, Enter 6

(UPDATE OF PRICE)

Press 1, To update price
Press 2, To update quantity
Press 3, To change produce name
Press 4, To change brand name
Press 5, To change category
Enter your choice: 1
Enter product ID: 105
Enter price to update: 200
Price is succesfully updated

(UPDATE OF QUANTITY)

Press 1, To update price
Press 2, To update quantity
Press 3, To change produce name
Press 4, To change brand name
Press 5, To change category
Enter your choice: 2
Enter product ID: 105
Enter quantity to update: 1200
Quantity is succesfully updated

(UPDATE OF PRODUCE NAME)

Press 1, To update price
Press 2, To update quantity
Press 3, To change produce name
Press 4, To change brand name
Press 5, To change category
Enter your choice: 3
Enter product ID: 105
Enter name of product to update: gogoball
Name of produce is succesfully updated

TO GIVE FEEDBACK:

***** MENU *****

To Add Item, Enter 1
To Delete Item, Enter 2
To update Item, Enter 3
To give feedback, Enter 4
To view your product_id, Enter 5
To exit, Enter 6
Enter your choice:4

Your valuable feedbacks are always valued
Please spare a few moments to give your opinion
Give your opinion below
Type your suggestions: very good app , easy to use..)
Enter your seller ID: 204
Enter rating out of 5:5
Thank You for unur feedback

TO EXIT:

***** MENU *****

To Add Item, Enter 1

To Delete Item, Enter 2

To update Item, Enter 3

To give feedback, Enter 4

To view your product_id, Enter 5

To exit, Enter 6

Enter your choice:6

THANK YOU FOR USING BLUEBERRY

REFERENCES:

In order to work on this project titled - E-COMMERCE the following books and websites are referred by me during the various phases of development of the project.

1. Computer science with PYTHON (Sumita Arora)
2. www.python.com
3. <https://docs.google.com/forms/>
4. <https://www.geeksforgeeks.org/>
5. <https://www.datacamp.com/>
6. <https://www.w3schools.com/>

Other than the above-mentioned books, the suggestions and supervision of my teacher and my class experience also helped me to develop this software project.

THANK YOU