



Computer Science Investigatory Project 2024-25

SMART COMMERCE

Leveraging Python and SQL for Online Retail

Developed by:

NAME : UMIKA SOOD VIKHYAT SAINI

CLASS ROLLNO: 28 29

BOARD ROLLNO.

CLASS : XII-E XII-E

Index

Index.....	2
Certificate.....	3
Acknowledgement.....	4
Project Synopsis.....	5
Introduction.....	5
Aim:.....	5
Idea Source:.....	5
Plan For Implementation.....	6
ADMIN.....	6
Tabular Representation of Data:.....	6
USER:.....	7
Tabular Representation of Data:.....	7
Products:.....	8
Tabular Representation of Data:.....	8
Orders.....	9
Tabular Representation of Data:.....	9
Shopping Cart.....	10
Tabular Representation of Data:.....	10
Reviews:.....	11
Tabular Representation of Data:.....	11
Grievances:.....	12
Tabular Representation of Data.....	12
Menu.....	13
Special Features.....	14
Source Code.....	15
Output:.....	39
Alternative 1:.....	39
Alternative 2:.....	45
Alternative 3:.....	53
Alternative 4:.....	59
Alternative 5:.....	64
Alternative 6:.....	70
Alternative 7.....	74
Alternative 8:.....	77
Alternative 9:.....	79
Hardware and Software Requirements.....	81
Hardware Requirements.....	81
Operating System and Compiler.....	81

Certificate

This is to certify that Smart Commerce Leveraging Python and SQL for Online Retail Computer Science project is developed by Umika Sood and Vikhyat Saini under my supervision in the session 2024-2025.

The work done by them is original.

Computer Science Teacher

Date: _____

Acknowledgement

I would like to express my sincere gratitude to my computer teacher Ms.Hema Jain for her vital support, guidance and encouragement without which this project would not come forth from my side. She helped me complete the project by giving ideas, thoughts and made this project easy and accurate.

I wish to thank my parents for their undivided support and interest who inspired me and encouraged me, without which I would not have completed my project efficiently.

Reference

1. Classnotes.
2. NCERT Textbook

Project Synopsis

Introduction

- This project is all about software for E-commerce. This project manages users, products, orders, carts, reviews, and inventory with SQL.
- This project handles user registration, authentication, product browsing, and shopping cart management. It processes orders, updates stock levels, and stores order history. Users can leave product reviews, and administrators can manage inventory. All data is stored in an SQL database and managed through Python scripts for seamless interaction.

Aim:

- The objective of this project is to let us apply programming knowledge into a real-world situation/problem and expose how programming skills help in developing a good software.

Idea Source:

- The inspiration for this project stems from the growing importance of E-commerce platforms in modern business environments. As online shopping continues to expand rapidly, the demand for efficient, scalable, and secure data management systems becomes increasingly crucial. The integration of SQL and Python offers a powerful solution for managing the vast amounts of data generated by E-commerce platforms, such as customer information, product details, and order transactions.
- The idea to combine SQL and Python in this project comes from the necessity of building a back-end system that not only handles data efficiently but also allows for easy interaction and automation through Python scripts. SQL provides a robust and structured way to design relational databases, while Python facilitates database connectivity, user interaction, and operational automation. Together, they form the core of data-driven applications in the E-commerce sector, ensuring that platforms run smoothly and securely.
- This project draws inspiration from real-world E-commerce systems where database management and programming integration are key to maintaining operations like user authentication, product inventory management, and order processing. It aims to replicate these essential functions in a simplified manner, highlighting the practical use of SQL and Python in an E-commerce context.

Plan For Implementation

ADMIN

	Data Item	Type of Data	Description
1.	AdmnlId	integer	To enter Admin Id
2.	Admname	string	To enter Admin Name
3.	Password	string	To enter password

Note:

If password does not match- the user will be given only one more try and then will be asked to login as user

Tabular Representation of Data:

AdmnlId	Name	Password

USER:

	Data Item	Type of Data	Description
1.	UserId	string	To enter User Id
2.	Name	string	To enter Name
3.	Emailld	string	To enter Email Id
4.	MobileNo	integer	To enter Mobile No.
5.	Address	string	To enter Address
6.	State	string	To enter State
7.	Password	string	To enter Password

UserID will be printed as the last 2 char of name and last 3 digits of phone no.

First the login page will appear if username/ userId not found then registration will take place

Tabular Representation of Data:

UserId	Name	Emailld	Mobile No.	Address	State	Password

Products:

	Data Item	Type of Data	Description
1.	ProductId	string	To enter Product ID
2.	Pname	string	To enter Product Name
3.	Description	string	To enter Product description
4.	Category	string	To enter Category of product
5.	Dtype	string	To enter Delivery Type(Long/ instant)
6.	Price	float	To enter Price of Product
7.	Qty	integer	To Enter Quantity of Product
8.	State	string	To enter State where product is available

Tabular Representation of Data:

ProductId	Pname	Description	Category	Dtype	Price	Qty	State

Orders

	Data Item	Type of Data	Description
1.	OrderId	string	To enter Order ID
2.	UserId	string	To enter User ID
3.	ProductIds	string	To enter Product IDs
4.	TotalCost	float	To enter Total Cost
5.	Odate	Date	To enter the date of placing order
6.	Ddate	date	To enter the date of completing delivery

Tabular Representation of Data:

OrderId	UserId	ProductIds	Total Cost	Odate	Ddate

Shopping Cart

	Data Item	Type of Data	Description
1.	UserId	string	To enter UserId
2.	ProductId	string	To enter ProductId
3.	PPrice	float	To enter Price of product
4.	Qty	integer	To enter Qty of each product
5.	TPrice	float	To enter total price of each product
6.	MOP	string	To enter Method of Payment

Tabular Representation of Data:

UserId	ProductId	PPrice	Qty	TPrice	MOP

Reviews:

	Data Item	Type of Data	Description
1.	UserId	string	To enter UserId
2.	ProductId	string	To enter ProductId
3.	OrderId	string	To enter OrderId
4.	Rating	Integer	To enter Rating out of 5
5.	Review	string	To enter Review

Tabular Representation of Data:

UserId	ProductId	OrderId	Rating	Review

Grievances:

	Data Item	Type of Data	Description
1.	UserId	string	To enter UserId
2.	OrderId	string	To enter OrderId
3.	Tgrieve	string	To enter TitleGrievance
4.	Sgrieve	string	To enter grievance in detail
5.	Solgrieve	string	To enter Solution of the grievance

Tabular Representation of Data

UserId	OrderId	Tgrieve	Sgrieve	SolGrieve

Menu

Login Type	Main-Menu	Sub-Menu
Admin	Admin	To Add Admins and Check if entered credentials exist Display all Admin Credentials Show all Users Show Users by State Add Admin Change Password
	Users	Show all Users Show Users by State
	Products	Add Products Update the inventory View All Products
	Orders	View and update orders of the users
	Shopping Cart	To view all shopping carts
	Reviews	To View the reviews of the product
	Grievances	To view and reply to the grievances of the customers
Service Login	User	Registration- to update the login credentials of new user To login into existing credentials To change Password
	Product	To view all the products in the inventory by categories or location or price To browse products
	Orders	To view previous orders
	Shopping Cart	To determine the quantity of product To add or remove items To Find the total price to be paid To generate a bill
	Review	To give review of the product(s) Edit Reviews Delete Reviews To view Reviews of specific Products
	Grievances	To report damages To view replies by the admin

Special Features

1. **User Interface Design:** The application will feature an intuitive and user-friendly interface, ensuring a comfortable experience for all users.
2. **Automated Identification:** Order IDs and User IDs will be automatically generated by the system to maintain consistency and uniqueness.
3. **Authentication and Registration Process:** In the event of invalid or non-existent login credentials, users will be automatically redirected to the registration function. This allows them to create new credentials or update existing ones, which will be securely stored in the appropriate database tables.
4. **Data Retrieval and Viewing Options:** Users will have the flexibility to view database records in their entirety or selectively based on specific criteria. This feature enables efficient data management and retrieval.
5. **Streamlined Order Placement:** The system will implement a straightforward ordering process. Users can select items, add them to their shopping cart, and proceed to checkout. Upon successful order placement, the system will automatically clear the shopping cart and record the transaction.
6. **User Input Editing:** The system allows users to edit their responses and input at various stages of interaction, providing flexibility and reducing errors.
7. **Exception Handling:** Robust exception handling mechanisms are implemented throughout the system. These safeguards manage instances of incorrect user input, ensuring system stability and providing informative feedback to users.

These features are designed to optimize user experience, enhance data management, and ensure overall system reliability and functionality.

Source Code

```
# Project Title : E-commerce
# Version       : 1.0 2024-2025
# Developed By : Umika Sood, Vikhyat Saini
# Guide         : Hema Jain
# Last Updated On: 2024-10-15

import mysql.connector
mydb=mysql.connector.connect(host='localhost', user='root', passwd='soodumks1')
csr=mydb.cursor()

try:
    csr.execute('CREATE DATABASE ECOMMERCE')
    print('*'*10+"Welcome"+'*'*10)
except:
    print('*'*10+"Welcome"+'*'*10)
csr.execute("USE ECOMMERCE")

#User Defined Functions:

def CreateTables():
    try:
        csr.execute('CREATE TABLE ADMIN(AdmnId CHAR(5) PRIMARY KEY, Admnname
VARCHAR(40), Password VARCHAR(5))')
    except:
        print('')
    try:
        csr.execute('CREATE TABLE USERS(UserId char(5) PRIMARY KEY, Name
varchar(40), EmailId varchar(30), MobileNo CHAR(10), Address varchar(80), State
varchar(30), Password varchar(5))')
    except:
        print('')
    try:
        csr.execute('CREATE TABLE PRODUCTS(ProductId Char(5) PRIMARY KEY, Pname
varchar(30), Description varchar(50), Category varchar(20), Dtype varchar(10),
Price float(8,2), Qty int, State varchar(25))')
    except:
        print('')

Project: E-COMMERCE Developed By Umika Sood, Vikhyat Saini Page:#15/81
```

```

    print(' ')
try:
    csr.execute('CREATE TABLE ORDERS(OrderId Char(5) PRIMARY KEY, UserId
Char(5), ProductIds Varchar(100), TotalCost float, Odate DATE, Ddate DATE)')
except:
    print(' ')
try:
    csr.execute('CREATE TABLE SHOPPINGCART(UserId char(5), ProductId
char(5), PPrice float, Qty int, TPrice float, MOP varchar(20))')
except:
    print("")
try:
    csr.execute('CREATE TABLE REVIEWS(UserId char(5), ProductId char(5), OrderId
char(5), Rating int, Review varchar(80))')
except:
    print("")
try:
    csr.execute('CREATE TABLE GRIEVANCES(UserId char(5), OrderId char(5),
Tgrieve varchar(20), Sgrieve varchar(90), SolGrieve varchar(40))')
except:
    print(' ')
try:
    csr.execute('Create Table ORDERNO(Ordernum int Default 0)')
except:
    print(' ')
mydb.commit()

```

#Admin

```

def AddAdmin():
    result = csr.fetchall()
AdmnId= int(input('Enter Admin Id: '))
Admnname=input('Enter Admin Name: ')
Password=input('Enter Password(5 characters only): ')
try:
    query="INSERT into ADMIN values (%s, '%s' , '%s'
) "%(AdmnId,Admnname,Password)
    csr.execute(query)
    mydb.commit()
except:
    print('Invalid Input')
def AdmnLogin():
    print("Enter 0 if you don't have an account")

```

```

UAdmnId=input('Enter Admin Id: ')
if UAdmnId=='0':
    return False
else:
    UAdmnname=input('Enter Admin Name: ')
    q1="select * from Admin where AdmnId= '%s'"%UAdmnId
    csr.execute(q1)
    d=csr.fetchone()
    ctr=0
    if d is None:
        print('AdmnId does not Exist')
        return False
    else:
        while ctr<2:
            UPassword=input('Enter Password: ')
            if d[2]==UPassword:
                return True
            else:
                print('Incorrect Password. Retry!')
                ctr+=1
        return False

def ShowAdmn():
    csr.execute('Select * from ADMIN')
    mydata=csr.fetchall()
    print("|%6s | %20s | %6s |%"%("AdmnId", "Admnname", "Password"))
    print('-*'*(6+20+6+10))
    for AdmnId,Admnname, Password in mydata:
        print("|%6s | %20s | %6s |%"%(AdmnId,Admnname, Password))
    print('-*'*(6+20+6+10))

#Users
def RegisterUser():
    Name=input("Enter your Name: ")
    EmailId=input("Enter Email Id: ")
    MobileNo=input("Enter Mobile No.: ")
    Address=input("Enter Address: ")
    State=input("Enter State: ")
    Password=input("Enter Password(5 characters)")
    UserId=Name[0:3]+str(MobileNo)[-3:-1]
    print('*'*10)
    print()
    print('*'*10)
    print("User ID: ", UserId)

```

```

print('*'*10)
print()
print()

q10="INSERT INTO USERS values('%s','%s','%s','%s','%s','%s','%s') "%(UserId,
Name, EmailId, MobileNo, Address, State, Password)
csr.execute(q10)
mydb.commit()

def LoginUser():
    print("Press Enter If You do not have UserId")
    UId=input("Enter UserId: ")
    if len(UId)==0:
        return False
    else:
        q11="SELECT Password from USERS where UserId= '%s'"%UId
        csr.execute(q11)
        password=csr.fetchone()
        if password is None:
            return False
        else:
            for i in password:
                pswrd=i
            ctr=0
            while ctr<2:
                Upassword=input("Password: ")
                if Upassword==pswrd:
                    return True
                else:
                    ctr+=1
                    print("Retry!")
            return False

def ShowAllUsers():
    try:
        csr.execute('SELECT * from USERS')
        udata=csr.fetchall()
        print("| %6s | %20s | %35s | %11s | %30s | %12s | %8s |" %("UserId","Name",
"EmailId", "MobileNo", "Address", "State", "Pwrd"))
        print('-' * (6+30+30+12+50+20+6+2))
        for UserId, Name, EmailId, MobileNo, Address, State, Password in udata:
            print("| %6s | %20s | %35s | %11s | %30s | %12s | %8s |" %(str(UserId),
str(Name), str(EmailId), str(MobileNo), str(Address), str(State), str(Password)))
        print('-' * (6+30+30+12+50+20+6+2))

    except:

```

```

        print("Unexpected Error! Sorry for inconvinience.")

def ShowUsersByState():
    ustate=input("Enter State Name: ")
    try:
        q12= "SELECT * from USERS where State= '%s'"%ustate
        csr.execute(q12)
        udata=csr.fetchall()
        print("| %6s | %20s | %35s | %11s | %30s | %12s | %8s |" %("UId","Name",
"EmailId", "MobileNo", "Address", "State", "Pwrd"))
        print('-' * (6+30+30+12+50+20+6+2))
        for UserId, Name, EmailId, MobileNo, Address, State, Password in udata:
            print("| %6s | %20s | %35s | %11s | %30s | %12s | %8s |" %(str(UserId),
str(Name), str>EmailId), str(MobileNo), str(Address), str(State), str(Password)))
        print('-' * (6+30+30+12+50+20+6+2))
    except:
        print("Unexpected Error! Sorry for inconvinience.")

```

#Product

```

def AddProduct():
    ProductId= input("Enter the Product Id: ")
    Pname= input("Enter the Product name: ")
    Description= input("Enter Product Description: ")
    Category= input("Enter Category of Product: ")
    Dtype= input("Type of Delivery(Long/Instant): ")
    Price=float(input("Enter Price of Product: "))
    Qty= int(input("Enter Quantity of Product: "))
    State=input("Enter State where product was available: ")
    try:
        q2="INSERT INTO PRODUCTS values('%s','%s','%s','%s','%s',%s,%s,
'%s') "%(ProductId, Pname, Description, Category, Dtype, Price, Qty, State)
        csr.execute(q2)
        print("Product Added Successfully!")
        mydb.commit()
    except:
        print("Unexpected Error! Sorry for inconvinience.")

def UpdateProduct():
    PId=input('Enter Product Id: ')
    ch= input("What do you Want to Update? (Pname, Description, Category, Dtype,
Price,Qty,State): ")
    try:
        if ch.lower() not in ['price', 'qty']:
            nval= input("Enter Updated Value: ")

```

```

q3= "UPDATE PRODUCTS SET %s = '%s' WHERE ProductId= '%s'"%(ch,nval,PId)
elif ch.upper()=='PRICE':
    nval= float(input("Enter Updated Value: "))
    q3="UPDATE PRODUCTS SET PRICE = %s WHERE ProductId= '%s'"%(nval,PId)
elif ch.lower()=='qty':
    nval=int(input("Enter Updated Quantity: "))
    q3="UPDATE PRODUCTS SET Qty =%s WHERE ProductId='%s'"%(nval,PId)
csr.execute(q3)
print("Product Updated Successfully")
mydb.commit()

except:
    print("Unexpected Error! Sorry for inconvenience.")

def DeleteProduct():
    PId=input("Enter the Product Id to be deleted: ")
    try:
        q="Delete from PRODUCTS WHERE ProductId='%s'"%PId
        csr.execute(q)
        print("Deleted Product Successfully")
        mydb.commit()
    except:
        print("Invalid ProductId")

def ShowAllProduct():
    try:
        csr.execute('Select * from PRODUCTS')
        mydata=csr.fetchall()
        print("| %6s | %20s | %40s | %15s | %10s | %8s | %6s | %20s |%"%(PId,
"Pname", "Description", "Category", "Dtype", "Price", "Qty", "State"))
        print('*'*(6+20+40+15+10+8+6+20+16+8))
        for ProductId, Pname, Description, Category, Dtype, Price, Qty, State in
mydata:
            print("| %6s | %20s | %40s | %15s | %10s | %8s | %6s | %20s |
"%(ProductId, Pname, Description, Category, Dtype, str(Price), str(Qty), State))
        print('*'*(6+20+40+15+10+8+6+20+16+8))
    except:
        print("Unexpected Error!")

def ViewSelectedProduts():
    opt=input('''Enter Category to choose from:
        A. Category
        B. Price
        C. Location: ''')
    if opt.lower()=='a':
        ucat=input('''Choose a category(Enter Category Name)
        A.Grocery
        B.Electronics

```

```

        C.Beauty
        D.Fashion
        E.Sports
        F.Stationary
        G.Toys
        H.Books
        I.Home: ''')

q13="Select * from PRODUCTS Where CATEGORY= '%s'"%ucat
elif opt.lower()=='b':
    llimit=float(input("Enter Lower Limit: "))
    ulimit=float(input("Enter Upper Limit: "))
    q13="Select * from PRODUCTS Where Price between %s and %s"%(llimit, ulimit)
elif opt.lower()=='c':
    ustate=input("Enter State: ")
    q13="Select * from PRODUCTS Where State='%s'"%ustate
else:
    print("Invalid Option")
try:
    csr.execute(q13)
    mydata=csr.fetchall()
    print("| %6s | %20s | %40s | %15s | %10s | %8s | %6s | %20s |%"%("PId",
"Pname", "Description", "Category", "Dtype", "Price", "Qty", "State"))
    print('-**(6+20+40+15+10+8+6+20+16+8))
    for ProductId, Pname, Description, Category, Dtype, Price, Qty, State in
mydata:
        print("| %6s | %20s | %40s | %15s | %10s | %8s | %6s | %20s
|%(ProductId, Pname, Description, Category, Dtype, str(Price), str(Qty), State))
    print('-**(6+20+40+15+10+8+6+20+16+8))
except:
    print("Unexpected Error! Sorry for Inconvinience.")
def ProductSort():
    opt=int(input(''Enter the number of your choice:
        1. Sort from highest to lowest(by price)
        2. Sort from lowest to highest (by price)
        3. View Products with Long Delivery
        4. View Products with Instant Delivery: '''))
    if opt==1:
        q56="SELECT * FROM PRODUCTS ORDER BY Price"
    elif opt==2:
        q56="SELECT * FROM PRODUCTS ORDER BY Price desc"
    elif opt==3:
        q56="SELECT * FROM PRODUCTS where Dtype='Long'"
    elif opt==4:
        q56="SELECT * FROM PRODUCTS where Dtype='Instant'"
```

```

try:
    csr.execute(q56)
    mydata=csr.fetchall()

    print("| %6s | %20s | %40s | %15s | %10s | %8s | %6s | %20s |%"("PId",
"Pname", "Description", "Category", "Dtype", "Price", "Qty", "State"))
    print('*'*(6+20+40+15+10+8+6+20+16+8))
    for ProductId, Pname, Description, Category, Dtype, Price, Qty, State in
mydata:
        print("| %6s | %20s | %40s | %15s | %10s | %8s | %6s | %20s
|%"(ProductId, Pname, Description, Category, Dtype, str(Price), str(Qty), State))
        print('*'*(6+20+40+15+10+8+6+20+16+8))

except:
    print("Unexpected Error! Sorry for Inconvinience.")


def ViewProductReview():
    try:
        ProductId = input("Enter Product ID: ")
        q55="SELECT * FROM REVIEWS WHERE ProductId = '%s'"%ProductId
        csr.execute(q55)
        rev=csr.fetchall()
        print('%6s | %6s | %6s | %3s | %22s |%'('UID', 'PID', 'OID', 'Rt', 'Review'))
        if rev:
            for UserId, ProductId, OrderId, Rating, Review in rev:
                print('%6s | %6s | %6s | %3s | %22s |%'(UserId, ProductId, OrderId,
Rating, Review))
        else:
            print("No reviews found.")

    except:
        print("Sorry! we could not find reviews for this product")


# Shopping Cart


def AddShoppingCart():
    UserId=input('Enter User Id: ')
    MOP=input("Enter Method of payment")
    while True:
        try:
            ProductId=input('Enter Product Id: ')
            q35="SELECT Qty,Price from PRODUCTS WHERE ProductId='%s' "% ProductId
            csr.execute(q35)
            pqty=csr.fetchone()

```

```

PPrice=pqty[1]
print("Available Quantity: ",pqty[0] )
Qty= int(input("Enter Quantity: "))
if Qty>pqty[0]:
    print("Not Enough Stock! Add Grievance for same")
    continue
else:
    TPrice= PPrice*Qty
    print("Total Price: ", TPrice)

q8="INSERT INTO SHOPPINGCART
values('%s','%s',%s,%s,%s)"%(UserId, ProductId, PPrice, Qty, TPrice,MOP)
csr.execute(q8)
mydb.commit()
opt=input("More? (Y/N) : ")
if opt in ['N','n']:
    break

except:
    print("Sorry we could not process that!")

def UpdateShoppingCart():
    UId=input("Enter UserId: ")
    ch=input("What would you like to update(Qty, MOP) ")
    if ch=='Qty':
        try:
            PId=input("Enter Product Id: ")
            q36="SELECT Qty,Price from PRODUCTS WHERE ProductId='%s' "% PId
            csr.execute(q36)
            pqty=csr.fetchone()
            print("Available Quantity: ",pqty[0] )
            newval=int(input("Enter updated value: "))
            if newval>pqty[0]:
                print("Not Enough Stock! Add Grievance for same")
            else:
                Nprice=pqty[1]*newval
                print("Updated Price:",Nprice )
                q9="UPDATE SHOPPINGCART SET QTY=%s,TPRICE=%s WHERE
ProductId='%s' and UserId='%s'"%(newval, Nprice,PId, UId)
        except:
            print("Unexpected Error!")
    elif ch=='MOP':
        nval=input("Enter updated value: ")
        q9="UPDATE SHOPPINGCART SET MOP= '%s' WHERE UserId= '%s'"%(nval,UID)
try:
    csr.execute(q9)
    mydb.commit()

```

```

except:
    print("Error!!!")

def DeleteShoppingCart():
    try:
        UserId=input("Enter User Id: ")
        while True:
            ProductId=input('Enter Product Id: ')
            q16= "DELETE FROM SHOPPINGCART WHERE ProductId='%s' and UserId='%s'" % (ProductId,UserId)
            csr.execute(q16)
            mydb.commit()
            opt=input("More? (Y/N) ")
            if opt in ['N', 'n']:
                break

    except:
        print("Error!!!")

def ShowShoppingCart():
    try:
        UserId=input('Enter User Id: ')
        q17="SELECT * FROM SHOPPINGCART WHERE UserId= '%s' "%UserId
        csr.execute(q17)
        scart=csr.fetchall()
        print("| %6s | %6s | %8s | %6s | %12s | %15s |" % ("UID", "PID", "PPrice",
        "Qty", "TPrice", "MOP"))
        print('-'* 80)
        for UserId, ProductId, PPrice, Qty, TPrice,MOP in scart:
            print("| %6s | %6s| %8s | %6s | %12s | %15s |" % (UserId, ProductId,
            str(PPrice), str(Qty), str(TPrice) ,MOP))
        print('-'* 80)
    except:
        print("Error in viewing Shopping Cart!!!")

def GenerateBill():
    try:
        UserId = input("Enter your User ID: ")
        q18 = "SELECT SUM(TPrice) FROM SHOPPINGCART WHERE UserId = '%s'"%(UserId)
        csr.execute(q18)
        total = csr.fetchone()
        if total:
            print("Total Bill Amount:", total[0])
        else:
            print("No items in the shopping cart.")
    except:

```

```

print("Error")

#Orders

def Checkout():
    global Orderno

print("-----")
print("-----")
    print("THIS WILL DELETE YOUR SHOPPING CART AND WILL ADD YOUR ITEMS TO YOUR ORDERS")

print("-----")
print("-----")

try:
    q45='SELECT Ordernum from ORDERNO'
    csr.execute(q45)
    Order=csr.fetchone()
    if Order is None:
        q44='INSERT INTO ORDERNO values(0)'
        csr.execute(q44)
        mydb.commit()
    else:
        q44='UPDATE ORDERNO SET Ordernum= Ordernum+1'
        csr.execute(q44)
        mydb.commit()
    q45='SELECT Ordernum from ORDERNO'
    csr.execute(q45)
    Order=csr.fetchone()
    for i in Order:
        Orderno=i

    UserId=input("Enter UserId : ")
    OrderId='0'+'0'*(4-len(str(Orderno))) + str(Orderno)
    q39="SELECT ProductId, TPrice,Qty from SHOPPINGCART WHERE UserId=%s"%(UserId)
    csr.execute(q39)
    products=csr.fetchall()
    ProductIds=''
    TotalCost=0
    for ProductId,Pprice,Qty in products:

```

```

q41="Update PRODUCTS SET Qty= Qty - %s where ProductId= '%s'"%(Qty,
ProductId)

csr.execute(q41)

ProductIds+=ProductId+ ' '
TotalCost+=Pprice

Odate=input("Enter Date of Placing Order in Format(YYYY-MM-DD): ")
Ddate=input("Enter Date of Delivery in Format(YYYY-MM-DD): ")

q5="INSERT INTO ORDERS values ('%s','%s','%s',%s,'%s','%s') "%(OrderId,
UserId,ProductIds, TotalCost, Odate, Ddate)

csr.execute(q5)

q40="DELETE FROM SHOPPINGCART WHERE UserId= '%s'"%(UserId)

csr.execute(q40)

mydb.commit()

print("Your Order has been placed!!!")

print()
print()
print('*'*12)
print('Order ID: ', OrderId)
print('*'*12)
print()
print()

except:
    print("Error occured while placing your order")

```

```

def UpdateOrders():

    try:

        OId=input("Enter Order Id: ")
        ch=input("What would you like to update (UserId, Odate,Ddate): ")
        nval=input("Enter Updated Value: ")

        q6="UPDATE ORDERS SET %s ='%s' WHERE OrderId='%s' "%(ch, nval,OId)

        csr.execute(q6)

        mydb.commit()

        print("Updated Successfully")

    except:
        print("Error Updating Order! ")

def DeleteOrders():

    try:

        OId=input("Enter the Order Id to be deleted: ")
        q7="Delete from ORDERS WHERE OrderId= '%s'"%OId

        csr.execute(q7)

        mydb.commit()

```

```

except:
    print("Error")

def ShowAllOrders():
    try:
        csr.execute("Select * from ORDERS")
        mydata=csr.fetchall()
        print("|%8s|%6s|%25s|%12s|%12s|%12s|" % ('OID', 'UID', 'PIds', 'TotalCost',
'Odate', 'Ddate'))
        print('-'*150)
        for OrderId, UserId,ProductIds, TotalCost, Odate, Ddate in mydata:
            print("|%6s | %6s | %25s | %12s | %12s |%12s|%"%(OrderId,
UserId,ProductIds, str(TotalCost), str(Odate), str(Ddate)))
        print('*'*150)
    except:
        print("Error")

def ShowSpecificOrders():
    try:
        SUID=input('Enter UserId: ')
        q14="Select * from ORDERS where UserId= '%s'"%SUID
        csr.execute(q14)
        mydata=csr.fetchall()
        print("|%6s | %6s | %25s | %12s | %12s |%12s|%"("OID", "UID","PIds",
"TotalCost", "Odate", "Ddate"))
        print('*'*80)
        for OrderId, UserId,ProductIds, TotalCost, Odate, Ddate in mydata:
            print("|%6s | %6s | %25s | %12s | %12s |%12s|%"(OrderId,
UserId,ProductIds, str(TotalCost), str(Odate), str(Ddate)))
        print('*'*80)
    except:
        print("Error")

```

#Reviews

```

def AddReviews():
    try:
        UserId = input("Enter your User ID: ")
        ProductId = input("Enter Product ID: ")
        OrderId = input("Enter Order ID: ")
        Rating = int(input("Enter Rating (1-5): "))
        Review = input("Enter your review: ")
        q19 = "INSERT INTO REVIEWS (UserId, ProductId, OrderId, Rating, Review)
VALUES ('%s', '%s', '%s', %s, '%s')%"(UserId, ProductId, OrderId, Rating, Review)
        csr.execute(q19)

```

```

        mydb.commit()
        print("Review added successfully.")

    except:
        print("Error")

#Display options for 1)seeing both Product and User description 2) Seeing only
review for specific product 3)Reviews from specificUser 4) Review of Product with
specific rating

def DeleteReview():
    try:
        UserId = input("Enter your User ID: ")
        ProductId = input("Enter Product ID to delete review for: ")
        q29 = "DELETE FROM REVIEWS WHERE UserId = '%s' AND ProductId = '%s'"%(UserId, ProductId)
        csr.execute(q29)
        mydb.commit()
        print("Review deleted.")
    except:
        print("Error deleting review")

def ViewReviews():
    try:
        option = input('''Enter A number
                        1) See Product and User description
                        2) Reviews for specific product
                        3) Reviews from specific user
                        4) Reviews with specific rating
                        Choose an option: ''')
        if option == '1':
            q50='SELECT ProductId,Pname,Rating from PRODUCTS NATURAL JOIN REVIEWS'
            csr.execute(q50)
            record1= csr.fetchall()
            q51='SELECT ProductId, UserID, Name, Review from USERS NATURAL JOIN
REVIEWS'
            csr.execute(q51)
            record2=csr.fetchall()
            print('%6s | %30s | %6s | %20s | %2s | %22s |%(''UID'', 'UserName',
'PID', 'Pname', 'Rt' , 'Review'))
            if record1:
                for i in record1:
                    for j in record2:
                        if i[0]==j[0]:
                            print('%6s | %30s | %6s | %20s | %2s | %22s
| %(''j[1],j[2],i[0],i[1],str(i[2]),j[3]))
```

```

    else:
        print("No reviews found!")

    elif option == '2':
        ProductId = input("Enter Product ID: ")
        q20="SELECT * FROM REVIEWS WHERE ProductId = '%s'"%ProductId
        csr.execute(q20)

    elif option == '3':
        UserId = input("Enter User ID: ")
        q21= "SELECT * FROM REVIEWS WHERE UserId ='%s'"%UserId
        csr.execute(q21)

    elif option == '4':
        Rating = int(input("Enter Rating: "))
        q22= "SELECT * FROM REVIEWS WHERE Rating = %s"%Rating
        csr.execute(q22)

    else:
        print("Invalid option.")
        print("Error")

    if option != '1':
        reviews = csr.fetchall()
        print('%6s | %6s | %6s | %3s | %22s | %('
              'UID', 'PID', 'OID', 'Rt',
              'Review'))
        if reviews:
            for UserId, ProductId, OrderId, Rating, Review in reviews:
                print('%6s | %6s | %6s | %3s | %22s | %('
                      'UserId, ProductId,
                      OrderId, Rating, Review))
        else:
            print("No reviews found.")

    except:
        print("Error viewing reviews:")

def UpdateReview():
    try:
        UserId = input("Enter your User ID: ")
        ProductId = input("Enter Product ID to update review for: ")
        Rating = int(input("Enter new Rating (1-5): "))
        Review = input("Enter new review: ")
        q23 = "UPDATE REVIEWS SET Rating = %s, Review = '%s' WHERE UserId = '%s' AND ProductId = '%s'"%(Rating, Review, UserId, ProductId)
        csr.execute(q23)
        mydb.commit()
        print("Review updated.")

    except:
        print("Error")

```

```

#Grievances

def AddGrievances():
    try:
        UserId = input("Enter your User ID: ")
        OrderId = input("Enter Order ID: ")
        Tgrieve = input("Enter your grievance title: ")
        Sgrieve = input("Enter your grievance description: ")
        q24 = "INSERT INTO GRIEVANCES (UserId, OrderId, Tgrieve, Sgrieve) VALUES ('%s', '%s', '%s', '%s')"% (UserId, OrderId, Tgrieve, Sgrieve)
        csr.execute(q24 )
        mydb.commit()
        print("Grievance submitted successfully.")
    except:
        print("Error submitting grievance")

def ViewGrievances():
    try:
        option = input('''1) View grievances by User ID
                        2) View grievances by Order ID
                        Choose an option: ''')
        if option == '1':
            UserId=input("Enter User ID: ")
            q25="SELECT * FROM GRIEVANCES WHERE UserId = '%s'"%UserId
            csr.execute(q25)
        elif option == '2':
            OrderId = input("Enter Order ID: ")
            q25="SELECT * FROM GRIEVANCES WHERE OrderId = '%s' "%OrderId
            csr.execute(q25)
        else:
            print("Invalid option.")

        grievances = csr.fetchall()
        if grievances:
            print(" | %6s | %6s | %20s | %30s | %30s | "% ('UserId', 'OrderId',
'Tgrieve', 'Sgrieve', 'SolGrieve'))
            print('*'*126)
            for UserId, OrderId, Tgrieve, Sgrieve, SolGrieve in grievances:
                print(" | %6s | %6s | %20s | %30s | %30s | "% (UserId, OrderId,
Tgrieve, Sgrieve, SolGrieve))
            print('*'*126)
        else:
            print("No grievances found.")
    
```

```

except:
    print("Error viewing grievances")

def ReplyGrievances():
    try:
        UserId = input("Enter User ID: ")
        OrderId = input("Enter Order ID: ")
        q54="SELECT Tgrieve,Sgrieve from GRIEVANCES WHERE UserId = '%s' AND OrderId
= '%s'"%(UserId, OrderId)
        csr.execute(q54)
        gv=csr.fetchall()
        if gv:
            for i,j in gv:
                print('Grievance Title:', i)
                print('Grievance description: ',j)
                Solgrieve = input("Enter Reply to grievance: ")
                q27 = "UPDATE GRIEVANCES SET SolGrieve = '%s' WHERE UserId = '%s' AND
OrderId = '%s'"%(Solgrieve, UserId, OrderId)
                csr.execute(q27)
                mydb.commit()
                print("Grievance updated successfully.")
        else:
            print("No grievances found")

    except:
        print("Error updating grievance")

def UpdateGrievances():
    try:
        UserId = input("Enter your User ID: ")
        OrderId = input("Enter Order ID: ")
        Tgrieve = input("Enter updated grievance: ")
        Sgrieve=input("Enter Updted Grievance Description: ")
        q27 = "UPDATE GRIEVANCES SET Tgrieve = '%s',Sgrieve='%s' WHERE UserId =
'%s' AND OrderId = '%s'"%(Tgrieve, Sgrieve, UserId, OrderId)
        csr.execute(q27)
        mydb.commit()
        print("Grievance updated successfully.")

    except:
        print("Error updating grievance")

def DeleteGrievances():
    try:
        UserId = input("Enter your User ID: ")
        OrderId = input("Enter Order ID to delete grievance for: ")

```

```

        q28 = "DELETE * FROM GRIEVANCES WHERE UserId = '%s' AND OrderId
='%'%(UserId, OrderId)
        csr.execute(q28)
        mydb.commit()
        print("Grievance deleted successfully.")
    except:
        print("Error deleting grievance")

def ChangePassword(Dlogin):
    npassword=input("Enter New password: ")
    while True:
        cpassword=input("Confirm your new password: ")
        if npassword==cpassword:
            try:
                if Dlogin.lower()=='admin':
                    AdmId=input("Confirm Admin Id: ")
                    q66="UPDATE ADMIN SET Password= '%s' where AdmnID='%s'"
                    %(npassword,AdmId)
                else:
                    UserId=input("Confirm User Id: ")
                    q66="UPDATE USERS SET Password= '%s' where UserId='%s'"
                    %(npassword,UserId)
            csr.execute(q66)
            print("Password Updated Successfully! ")
            mydb.commit()
            break
        except:
            print("Error Updating! Check your credentials.")
    else:
        print("Passwords do not match. Retry!")

```

#MAIN CODE

```

print('*'*200)
CreateTables()
while True:
    print('*'*500)
    print("LOGIN PAGE")
    print('*'*500)
    Tlogin=input('''Enter Your Domain For Logging In:
                    A. Admin
                    B. User
                    C. Close the Program (Enter C): ''')

```

```

if Tlogin.lower()=='admin':
    val=AdmnLogin()
    if val:
        Dlogin='admin'
        print('Logged in Successfully!!')
    elif not val:
        opt=input("Would You like to Register?(Y/N) ")
        if opt in ['Y','y']:
            AddAdmin()
            print("You Have Registered Successfully")
            Dlogin='admin'
        else:
            break

elif Tlogin.lower()=='user':
    val= LoginUser()
    if val:
        Dlogin= 'user'
        print('Logged in Successfully!!')
    elif not val:
        opt=input("Would You like to Register?(Y/N) ")
        if opt in ['Y','y']:
            RegisterUser()
            print("You Have Registered Successfully")
            Dlogin= 'user'

elif Tlogin.lower()=='c':
    print("Closing the Program")
    break
else:
    print('Invalid input. ')
    continue

while True:
    print()
    print()
    print()
    print()
    print()

choice= int(input('''Enter the number to choose an Domain(Enter Number):
                    1.Admin and Users
                    2.Products
                    3.Shopping Cart
                    4. Orders
                    5.Reviews

```

```

        6.Grievances
        7.Return to Login Page: '''))}

print()
print()
print()
print()
print()

if choice==1:
    print("*"*500)
    print("ADMIN and USER Page")
    print("*"*500)
    if Dlogin=='admin':
        cl= input('''Choose operation (Enter Alphabet):
                    A.Display All Admin Credentials
                    B.Show All Users
                    C.Show Users by State
                    D.Add Admin
                    E. Change Password: ''')

        if cl.lower()=='a':
            ShowAdmn()
            continue

        elif cl.lower()=='b':
            ShowAllUsers()
            continue

        elif cl.lower()=='c':
            ShowUsersByState()
            continue

        elif cl.lower()=='d':
            while True:
                AddAdmin()
                m=input("Enter More: (Y/N) ")
                if m in ['N', 'n']:
                    break

        elif cl.lower()=='e':
            ChangePassword(Dlogin)
            continue

        else:
            print('Invalid Option')
            continue

    else:
        opt= input("Do you want to change the password? [Y/N]: ")
        if opt.lower()=='y':
            ChangePassword(Dlogin)

```

```

    else:
        print()
        continue

elif choice==2:
    print("*"*500)
    print("PRODUCT PAGE")
    print("*"*500)
    if Dlogin=='admin':
        c= input('''Choose operation (Enter Alphabet):
                    A. Add Products
                    B. Update Products
                    C. Delete Products
                    D. Show All Products''')

        if c.lower()=='a':
            while True:
                AddProduct()
                m=input("Enter More: (Y/N) ")
                if m in ['N', 'n']:
                    break
            continue

        elif c.lower()=='b':
            UpdateProduct()
            continue

        elif c.lower()=='c':
            DeleteProduct()

        elif c.lower()=='d':
            ShowAllProduct()

        else:
            print('Invalid Option')

    else:
        c= input('''Choose operation (Enter Alphabet):
                    A. Show All Products
                    B. View Specific Products
                    C. View reviews for specific order
                    D. View Sorted Products''')

        if c.lower()=='a':
            ShowAllProduct()

        elif c.lower()=='b':
            ViewSelectedProduts()

        elif c.lower()=='c':
            ViewProductReview()

        elif c.lower()=='d':
            ProductSort()

        else:

```

```

        print('Invalid Option')

elif choice==4:
    print("*"*500)
    print("ORDERS PAGE")
    print("*"*500)
    if Dlogin=='admin':
        c= input('''Choose operation (Enter Alphabet):
                    A. Show All Orders
                    B. Update Orders
                    C. Show Orders by Specific User: ''')
        if c.lower()=='a':
            ShowAllOrders()
        elif c.lower()=='b':
            UpdateOrders()
        elif c.lower()=='c':
            ShowSpecificOrders()
        else:
            print('Invalid Option')
    else:
        c= input('''Choose operation (Enter Alphabet):
                    A. Checkout
                    B. Delete Orders
                    C. View Orders by Specific User: ''')
        if c.lower()=='a':
            Checkout()
        elif c.lower()=='b':
            DeleteOrders()
        elif c.lower()=='c':
            ShowSpecificOrders()
        else:
            print('Invalid Option')

elif choice==3:
    print("*"*500)
    print("SHOPPING CART")
    print("*"*500)
    if Dlogin=='admin':
        c= input('''Choose operation (Enter Alphabet):
                    A. Show Shopping Cart: ''')
        if c.lower()=='a':
            ShowShoppingCart()
        else:
            print('Invalid Option')
    else:
        c= input('''Choose operation (Enter Alphabet):

```

```

        A. Add products to Shopping cart
        B. Update the Shopping Cart
        C. Delete from Shopping Cart
        D. Show the Shopping Cart
        E. Generate Bill: ''')

if c.lower()=='a':
    AddShoppingCart()
elif c.lower()=='b':
    UpdateShoppingCart()
elif c.lower()=='c':
    DeleteShoppingCart()
elif c.lower()=='d':
    ShowShoppingCart()
elif c.lower()=='e':
    GenerateBill()
else:
    print('Invalid Option')

elif choice==5:
    print("*"*500)
    print("REVIEWS")
    print("*"*500)
    if Dlogin=='admin':
        c= input('''Choose operation:
                    A. View Reviews: ''')
        if c.lower()=='a':
            ViewReviews()
        else:
            print('Invalid Option')
    else:
        c= input('''Choose operation (Enter Alphabet):
                    A. Add Reviews
                    B. Update Reviews
                    C. Delete Reviews: ''')
        if c.lower()=='a':
            AddReviews()
        elif c.lower()=='b':
            UpdateReview()
        elif c.lower()=='c':
            DeleteReview()
        else:
            print('Invalid Option')

elif choice==6:
    print("*"*500)

```

```

print("GRIEVANCES")
print("*"*500)
if Dlogin=='admin':
    c= input('''Choose operation (Enter Alphabet):
                A. View Grievances:
                B. Reply Grievances''')
    if c.lower()=='a':
        ViewGrievances()
    elif c.lower()=='b':
        ReplyGrievances()
    else:
        print('Invalid Option')
else:
    c= input('''Choose operation (Enter Alphabet):
                A. Add Grievances
                B. Update Grievances
                C. Delete Grievances
                D. View Grievances: ''')
    if c.lower()=='a':
        AddGrievances()
    elif c.lower()=='b':
        UpdateGrievances()
    elif c.lower()=='c':
        DeleteGrievances()
    elif c.lower()=='d':
        ViewGrievances()
    else:
        print('Invalid Option')
elif choice==7:
    break

```

Output:

Alternative 1:

```
Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: d:\Users\chinm\Desktop\ECOMMERCE FINAL PROJECT.py ======
*****Welcome*****
*****
*****LOGIN PAGE*****
*****
Enter Your Domain For Logging In:
    A. Admin
    B. User
    C. Close the Program (Enter C): Admin
Enter 0 if you don't have an account
Enter Admin Id: 0
Would You like to Register?(Y/N) Y
Enter Admin Id: 10001
Enter Admin Name: John Rodriguez
Enter Password(5 characters only): John1
You Have Registered Successfully

Enter the number to choose an Domain(Enter Number):
    1.Admin and Users
    2.Products
    3.Shopping Cart
    4. Orders
    5.Reviews
    6.Grievances
    7.Return to Login Page: 1

*****
ADMIN and USER Page
*****
Choose operation (Enter Alphabet):
    A.Display All Admin Credentials
    B.Show All Users
    C.Show Users by State
    D.Add Admin: D
```

```

Choose operation (Enter Alphabet):
    A.Display All Admin Credentials
    B.Show All Users
    C.Show Users by State
    D.Add Admin: D

Enter Admin Id: 10002
Enter Admin Name: Sarah Patel
Enter Password(5 characters only): Saral
Enter More:(Y/N) Y
Enter Admin Id: 10003
Enter Admin Name: Rahul Sharma
Enter Password(5 characters only): Rahul1
Enter More:(Y/N) Y
Enter Admin Id: 10005
Enter Admin Name: Amit Gupta
Enter Password(5 characters only): Amit1
Enter More:(Y/N) Y
Enter Admin Id: 10006
Enter Admin Name: Neha Kapoor
Enter Password(5 characters only): Nehal1
Enter More:(Y/N) Y
Enter Admin Id: 10007
Enter Admin Name: Anita Desai
Enter Password(5 characters only): Anit1
Enter More:(Y/N) Y
Enter Admin Id: 10008
Enter Admin Name: Deepa Verma
Enter Password(5 characters only): Deep1
Enter More:(Y/N) N

```

```

Enter the number to choose an Domain(Enter Number):
    1.Admin and Users
    2.Products
    3.Shopping Cart
    4. Orders
    5.Reviews
    6.Grievances
    7.Return to Login Page: 1

```

```

*****
*****ADMIN and USER Page*****
*****
Choose operation (Enter Alphabet):
    A.Display All Admin Credentials
    B.Show All Users
    C.Show Users by State
    D.Add Admin: A
-----
Choose operation (Enter Alphabet):
    A.Display All Admin Credentials
    B.Show All Users
    C.Show Users by State
    D.Add Admin: A
-----|AdmnId |      Admnname | Password |
-----| 10001 | John Rodriguez | John1 |
-----| 10002 | Sarah Patel | Saral |
-----| 10003 | Rahul Sharma | Rahul1 |
-----| 10005 | Amit Gupta | Amit1 |
-----| 10006 | Neha Kapoor | Nehal1 |
-----| 10007 | Anita Desai | Anit1 |
-----| 10008 | Deepa Verma | Deep1 |
-----
```

Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 2

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Add Products
- B. Update Products
- C. Delete Products
- D. Show All Products

Enter the Product Id: P0001

Enter the Product name: Smartphone X

Enter Product Description: Latest model **with** 5G capability

Enter Category of Product: Electronics

Type of Delivery(Long/Instant): Long

Enter Price of Product: 74999

Enter Quantity of Product: 100

Enter State where product was available: Maharashtra

Product Added Successfully!

Enter More:(Y/N) Y

Enter the Product Id: P0002

Enter the Product name: Cotton Kurta

Enter Product Description: Comfortable, traditional wear

Enter Category of Product: Fashion

Type of Delivery(Long/Instant): Long

Enter Price of Product: 1500

Enter Quantity of Product: 500

Enter State where product was available: Gujarat

Product Added Successfully!

Enter More:(Y/N) Y

Enter the Product Id: P0003

Enter the Product name: Basmati Rice

Enter Product Description: Premium quality, 5kg pack

Enter Category of Product: Grocery

Type of Delivery(Long/Instant): Instant

Enter Price of Product: 500

Enter Quantity of Product: 1000

Enter State where product was available: Punjab

Product Added Successfully!

Enter More:(Y/N) Y

```
Enter the Product Id: P0004
Enter the Product name: Yoga Mat
Enter Product Description: Non-slip, eco-friendly material
Enter Category of Product: Sports
Type of Delivery(Long/Instant): Long
Enter Price of Product: 999
Enter Quantity of Product: 200
Enter State where product was available: Karnataka
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0005
Enter the Product name: Indian Mythology Book
Enter Product Description: Bestselling novel on ancient tales
Enter Category of Product: Books
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 400
Enter Quantity of Product: 300
Enter State where product was available: Delhi
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0006
Enter the Product name: Ayurvedic Hair Oil
Enter Product Description: Natural ingredients, promotes hair growth
Enter Category of Product: Beauty
Type of Delivery(Long/Instant): Long
Enter Price of Product: 300
Enter Quantity of Product: 150
Enter State where product was available: Maharashtra
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0007
Enter the Product name: Wireless Mouse
Enter Product Description: Ergonomic design, long battery life
Enter Category of Product: Electronics
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 2000
Enter Quantity of Product: 250
Enter State where product was available: Delhi
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0008
Enter the Product name: XYZ Notebooks
Enter Product Description: 500 pages book, good quality paper
Enter Category of Product: Stationary
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 200
Enter Quantity of Product: 1000
Enter State where product was available: Karnataka
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0009
Enter the Product name: Lego Set
Enter Product Description: Lego City Set for ages 8-15 years
Enter Category of Product: Toys
Type of Delivery(Long/Instant): Long
Enter Price of Product: 1000
Enter Quantity of Product: 200
Enter State where product was available: Punjab
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0010
Enter the Product name: Pressure Cooker
Enter Product Description: Stainless steel, 5L capacity
Enter Category of Product: Home
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 2000
Enter Quantity of Product: 200
Enter State where product was available: Gujarat
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0011
Enter the Product name: Masala Chai
Enter Product Description: Premium blend, 250g pack
Enter Category of Product: Grocery
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 200
Enter Quantity of Product: 400
Enter State where product was available: Gujarat
Product Added Successfully!
Enter More:(Y/N) Y
```

```
Enter the Product Id: P0012
Enter the Product name: Cricket Bat
Enter Product Description: Professional grade, English willow
Enter Category of Product: Sports
Type of Delivery(Long/Instant): Long
Enter Price of Product: 3000
Enter Quantity of Product: 300
Enter State where product was available: Punjab
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0013
Enter the Product name: Kohlapuri Chappal
Enter Product Description: Handcrafted leather sandals
Enter Category of Product: Fashion
Type of Delivery(Long/Instant): Long
Enter Price of Product: 800
Enter Quantity of Product: 100
Enter State where product was available: Maharashtra
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0014
Enter the Product name: Multani Mitti Face Pack
Enter Product Description: Natural clay, for all skin types
Enter Category of Product: Beauty
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 150
Enter Quantity of Product: 200
Enter State where product was available: Delhi
Product Added Successfully!
Enter More:(Y/N) Y

Enter the Product Id: P0015
Enter the Product name: XYZ Journal
Enter Product Description: 100 page Diary for Journaling
Enter Category of Product: Stationary
Type of Delivery(Long/Instant): Long
Enter Price of Product: 800
Enter Quantity of Product: 200
Enter State where product was available: Karnataka
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0016
Enter the Product name: Ludo
Enter Product Description: A board game for four players
Enter Category of Product: Toys
Type of Delivery(Long/Instant): Long
Enter Price of Product: 150
Enter Quantity of Product: 500
Enter State where product was available: Maharashtra
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0017
Enter the Product name: Atomic Habits
Enter Product Description: Non-fiction book written by James Clear
Enter Category of Product: Books
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 600
Enter Quantity of Product: 200
Enter State where product was available: Karnataka
Product Added Successfully!
Enter More:(Y/N) Y
```

```

Enter the Product Id: P0018
Enter the Product name: Electric Tandoor
Enter Product Description: Compact size, energy efficient
Enter Category of Product: Home
Type of Delivery(Long/Instant): Long
Enter Price of Product: 3000
Enter Quantity of Product: 200
Enter State where product was available: Punjab
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0019
Enter the Product name: Bluetooth Speaker
Enter Product Description: Waterproof, 20-hour battery
Enter Category of Product: Electronics
Type of Delivery(Long/Instant): Instant
Enter Price of Product: 4000
Enter Quantity of Product: 250
Enter State where product was available: Delhi
Product Added Successfully!
Enter More:(Y/N) Y
Enter the Product Id: P0020
Enter the Product name: Pashmina Shawl
Enter Product Description: 100% pure, hand-woven
Enter Category of Product: Fashion
Type of Delivery(Long/Instant): Long
Enter Price of Product: 5500
Enter Quantity of Product: 500
Enter State where product was available: Gujarat
Product Added Successfully!
Enter More:(Y/N) N

```

```

Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 2

```


Enter the number to choose an Domain(Enter Number):

- 1. Admin and Users
- 2. Products
- 3. Shopping Cart
- 4. Orders
- 5. Reviews
- 6. Grievances
- 7. Return to Login Page: 7

Alternative 2:

```
Press Enter If You do not have UserId  
Enter UserId:  
Would You like to Register?(Y/N) Y  
Enter your Name: Vikas Patel  
Enter Email Id: vikaspatel@gmail.com  
Enter Mobile No.: 7654321098  
Enter Address: 123 MG Road, Bangalore  
Enter State: Karnataka  
Enter Password(5 characters)Vikal  
*****
```

User ID: Vik09

You Have Registered Successfully

Enter the number to choose an Domain(Enter Number):

- [1. Admin and Users](#)
 - [2. Products](#)
 - [3. Shopping Cart](#)
 - [4. Orders](#)
 - [5. Reviews](#)
 - [6. Grievances](#)
 - [7. Return to Login Page: 2](#)

Choose operation (Enter Alphabet) :

- A. Show All Products
 - B. View Specific Products
 - C. View reviews for specific order
 - D. View Sorted Products

PID	Pname	Description	Category	Dtype	Price	Qty	State
P0001	Smartphone X	Latest model with 5G capability	Electronics	Long	74999.0	100	Maharashtra
P0002	Cotton Kurta	Comfortable, traditional wear	Fashion	Long	1500.0	500	Gujarat
P0003	Basmati Rice	Premium quality, 5kg pack	Grocery	Instant	500.0	1000	Punjab
P0004	Yoga Mat	Non-slip, eco-friendly material	Sports	Long	999.0	200	Karnataka
P0005	Indian Mythology Book	Bestselling novel on ancient tales	Books	Instant	400.0	300	Delhi
P0006	Ayurvedic Hair Oil	Natural ingredients, promotes hair growth	Beauty	Long	300.0	150	Maharashtra
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	250	Delhi
P0008	XYZ Notebooks	500 pages book, good quality paper	Stationary	Instant	200.0	1000	Karnataka
P0009	Lego Set	Lego City Set for ages 8-15 years	Toys	Long	1000.0	200	Punjab
P0010	Pressure Cooker	Stainless steel, 5L capacity	Home	Instant	2000.0	200	Gujarat
P0011	Masala Chai	Premium blend, 250g pack	Grocery	Instant	200.0	400	Gujarat
P0012	Cricket Bat	Professional grade, English willow	Sports	Long	3000.0	300	Punjab
P0013	Kohlapuri Chappal	Handcrafted leather sandals	Fashion	Long	800.0	100	Maharashtra
P0014	Multani Mitti Face Pack	Natural clay, for all skin types	Beauty	Instant	150.0	200	Delhi
P0015	XYZ Journal	100 page Diary for Journaling	Stationary	Long	800.0	200	Karnataka
P0016	Ludo	A board game for four players	Toys	Long	150.0	500	Maharashtra
P0017	Atomic Habits	Non-fiction book written by James Clear	Books	Instant	600.0	200	Karnataka
P0018	Electric Tandoor	Compact size, energy efficient	Home	Long	3000.0	200	Punjab
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi
P0020	Pashmina Shawl	100% pure, hand-woven	Fashion	Long	5500.0	500	Gujarat

Enter the number to choose an Domain(Enter Number):

1. Admin and Users
2. Products
3. Shopping Cart
4. Orders
5. Reviews
6. Grievances
7. Return to Login Page: 2

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Show All Products
- B. View Specific Products
- C. View reviews for specific order
- D. View Sorted Products

Enter the number of your choice:

1. Sort from highest to lowest(by price)
2. Sort from lowest to highest (by price)
3. View Products with Long Delivery
4. View Products with Instant Delivery: 1

PId	Pname	Description	Category	Dtype	Price	Qty	State
P0014	Multani Mitti Face Pack	Natural clay, for all skin types	Beauty	Instant	150.0	200	Delhi
P0016	Ludo	A board game for four players	Toys	Long	150.0	500	Maharashtra
P0008	XYZ Notebooks	500 pages book, good quality paper	Stationary	Instant	200.0	1000	Karnataka
P0011	Masala Chai	Premium blend, 250g pack	Grocery	Instant	200.0	400	Gujarat
P0006	Ayurvedic Hair Oil	Natural ingredients, promotes hair growth	Beauty	Long	300.0	150	Maharashtra
P0005	Indian Mythology Book	Bestselling novel on ancient tales	Books	Instant	400.0	300	Delhi
P0003	Basmati Rice	Premium quality, 5kg pack	Grocery	Instant	500.0	1000	Punjab
P0017	Atomic Habits	Non-fiction book written by James Clear	Books	Instant	600.0	200	Karnataka
P0013	Kohlapuri Chappal	Handcrafted leather sandals	Fashion	Long	800.0	100	Maharashtra
P0015	XYZ Journal	100 page Diary for Journaling	Stationary	Long	800.0	200	Karnataka
P0004	Yoga Mat	Non-slip, eco-friendly material	Sports	Long	999.0	200	Karnataka
P0009	Lego Set	Lego City Set for ages 8-15 years	Toys	Long	1000.0	200	Punjab
P0002	Cotton Kurta	Comfortable, traditional wear	Fashion	Long	1500.0	500	Gujarat
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	250	Delhi
P0010	Pressure Cooker	Stainless steel, 5L capacity	Home	Instant	2000.0	200	Gujarat
P0012	Cricket Bat	Professional grade, English willow	Sports	Long	3000.0	300	Punjab
P0018	Electric Tandoor	Compact size, energy efficient	Home	Long	3000.0	200	Punjab
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi
P0020	Pashmina Shawl	100% pure, hand-woven	Fashion	Long	5500.0	500	Gujarat
P0001	Smartphone X	Latest model with 5G capability	Electronics	Long	74999.0	100	Maharashtra

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Show All Products
- B. View Specific Products
- C. View reviews for specific order
- D. View Sorted Products

Enter the number of your choice:

1. Sort from highest to lowest(by price)
2. Sort from lowest to highest (by price)
3. View Products with Long Delivery
4. View Products with Instant Delivery: 2

PId	Pname	Description	Category	Dtype	Price	Qty	State
P0001	Smartphone X	Latest model with 5G capability	Electronics	Long	74999.0	100	Maharashtra
P0020	Pashmina Shawl	100% pure, hand-woven	Fashion	Long	5500.0	500	Gujarat
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi
P0012	Cricket Bat	Professional grade, English willow	Sports	Long	3000.0	300	Punjab
P0018	Electric Tandoor	Compact size, energy efficient	Home	Long	3000.0	200	Punjab
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	250	Delhi
P0010	Pressure Cooker	Stainless steel, 5L capacity	Home	Instant	2000.0	200	Gujarat
P0002	Cotton Kurta	Comfortable, traditional wear	Fashion	Long	1500.0	500	Gujarat
P0009	Lego Set	Lego City Set for ages 8-15 years	Toys	Long	1000.0	200	Punjab
P0004	Yoga Mat	Non-slip, eco-friendly material	Sports	Long	999.0	200	Karnataka
P0013	Kohlapuri Chappal	Handcrafted leather sandals	Fashion	Long	800.0	100	Maharashtra
P0015	XYZ Journal	100 page Diary for Journaling	Stationary	Long	800.0	200	Karnataka
P0017	Atomic Habits	Non-fiction book written by James Clear	Books	Instant	600.0	200	Karnataka
P0003	Basmati Rice	Premium quality, 5kg pack	Grocery	Instant	500.0	1000	Punjab
P0005	Indian Mythology Book	Bestselling novel on ancient tales	Books	Instant	400.0	300	Delhi
P0006	Ayurvedic Hair Oil	Natural ingredients, promotes hair growth	Beauty	Long	300.0	150	Maharashtra
P0008	XYZ Notebooks	500 pages book, good quality paper	Stationary	Instant	200.0	1000	Karnataka
P0011	Masala Chai	Premium blend, 250g pack	Grocery	Instant	200.0	400	Gujarat
P0014	Multani Mitti Face Pack	Natural clay, for all skin types	Beauty	Instant	150.0	200	Delhi
P0016	Ludo	A board game for four players	Toys	Long	150.0	500	Maharashtra

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Show All Products
- B. View Specific Products
- C. View reviews for specific order
- D. View Sorted ProductsD

Enter the number of your choice:

- 1. Sort from highest to lowest(by price)
- 2. Sort from lowest to highest (by price)
- 3. View Products with Long Delivery
- 4. View Products with Instant Delivery: 3

PId	Pname	Description	Category	Dtype	Price	Qty	State
P0001	Smartphone X	Latest model with 5G capability	Electronics	Long	74999.0	100	Maharashtra
P0002	Cotton Kurta	Comfortable, traditional wear	Fashion	Long	1500.0	500	Gujarat
P0004	Yoga Mat	Non-slip, eco-friendly material	Sports	Long	999.0	200	Karnataka
P0006	Ayurvedic Hair Oil	Natural ingredients, promotes hair growth	Beauty	Long	300.0	150	Maharashtra
P0009	Lego Set	Lego City Set for ages 8-15 years	Toys	Long	1000.0	200	Punjab
P0012	Cricket Bat	Professional grade, English willow	Sports	Long	3000.0	300	Punjab
P0013	Kohlapuri Chappal	Handcrafted leather sandals	Fashion	Long	800.0	100	Maharashtra
P0015	XYZ Journal	100 page Diary for Journaling	Stationary	Long	800.0	200	Karnataka
P0016	Ludo	A board game for four players	Toys	Long	150.0	500	Maharashtra
P0018	Electric Tandoor	Compact size, energy efficient	Home	Long	3000.0	200	Punjab
P0020	Pashmina Shawl	100% pure, hand-woven	Fashion	Long	5500.0	500	Gujarat

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Show All Products
- B. View Specific Products
- C. View reviews for specific order
- D. View Sorted ProductsD

Enter the number of your choice:

- 1. Sort from highest to lowest(by price)
- 2. Sort from lowest to highest (by price)
- 3. View Products with Long Delivery
- 4. View Products with Instant Delivery: 4

PId	Pname	Description	Category	Dtype	Price	Qty	State
P0003	Basmati Rice	Premium quality, 5kg pack	Grocery	Instant	500.0	1000	Punjab
P0005	Indian Mythology Book	Bestselling novel on ancient tales	Books	Instant	400.0	300	Delhi
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	250	Delhi
P0008	XYZ Notebooks	500 pages book, good quality paper	Stationary	Instant	200.0	1000	Karnataka
P0010	Pressure Cooker	Stainless steel, 5L capacity	Home	Instant	2000.0	200	Gujarat
P0011	Masala Chai	Premium blend, 250g pack	Grocery	Instant	200.0	400	Gujarat
P0014	Multani Mitti Face Pack	Natural clay, for all skin types	Beauty	Instant	150.0	200	Delhi
P0017	Atomic Habits	Non-fiction book written by James Clear	Books	Instant	600.0	200	Karnataka
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi

Enter the number to choose an Domain(Enter Number):
 1.Admin and Users
 2.Products
 3.Shopping Cart
 4.Orders
 5.Reviews
 6.Grievances
 7.Return to Login Page: 2

PRODUCT PAGE

 Choose operation (Enter Alphabet):
 A. Show All Products
 B. View Specific Products
 C. View reviews for specific order
 D. View Sorted ProductsB
 Enter Category to choose from:
 A. Category
 B. Price
 C. Location: A
 Choose a category(Enter Category Name)
 A.Grocery
 B.Electronics
 C.Beauty
 D.Fashion
 E.Sports
 F.Stationary
 G.Toys
 H.Books
 I.Home: Electronics

PId	Pname	Description	Category	Dtype	Price	Qty	State
P0001	Smartphone X	Latest model with 5G capability	Electronics	Long	74999.0	100	Maharashtra
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	250	Delhi
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi

Enter the number to choose an Domain(Enter Number):
 1.Admin and Users
 2.Products
 3.Shopping Cart
 4.Orders
 5.Reviews
 6.Grievances
 7.Return to Login Page: 2

PRODUCT PAGE

 Choose operation (Enter Alphabet):
 A. Show All Products
 B. View Specific Products
 C. View reviews for specific order
 D. View Sorted ProductsB
 Enter Category to choose from:
 A. Category
 B. Price
 C. Location: A
 Choose a category(Enter Category Name)
 A.Grocery
 B.Electronics
 C.Beauty
 D.Fashion
 E.Sports
 F.Stationary
 G.Toys
 H.Books
 I.Home: Grocery

PID	Pname	Description	Category	Dtype	Price	Qty	State
P0003	Basmati Rice	Premium quality, 5kg pack	Grocery	Instant	500.0	1000	Punjab
P0011	Masala Chai	Premium blend, 250g pack	Grocery	Instant	200.0	400	Gujarat

Enter the number to choose an Domain (Enter Number)

- 1. Admin and Users
 - 2. Products
 - 3. Shopping Cart
 - 4. Orders
 - 5. Reviews
 - 6. Grievances
 - 7. Return to Login Page: [2](#)

PRODUCT PAGE

PRODUCT PAGE

Choose operation (Enter Alphabet) :

- A. Show All Products
 - B. View Specific Products
 - C. View reviews for specific order
 - D. View Sorted Products

Enter Category to choose from:

- A. Category
 - B. Price
 - C. Location

c. Location

Enter Upper Limit: 6000

PID	Pname	Description	Category	Dtype	Price	Qty	State
P0002	Cotton Kurta	Comfortable, traditional wear	Fashion	Long	1500.0	500	Gujarat
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	250	Delhi
P0009	Lego Set	Lego City Set for ages 8-15 years	Toys	Long	1000.0	200	Punjab
P0010	Pressure Cooker	Stainless steel, 5L capacity	Home	Instant	2000.0	200	Gujarat
P0012	Cricket Bat	Professional grade, English willow	Sports	Long	3000.0	300	Punjab
P0018	Electric Tandoor	Compact size, energy efficient	Home	Long	3000.0	200	Punjab
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi
P0020	Pashmina Shawl	100% pure, hand-woven	Fashion	Long	5500.0	500	Gujarat

Enter the number to choose an Domain (Enter Number) :

- 1. Admin and Users
 - 2. Products
 - 3. Shopping Cart
 - 4. Orders
 - 5. Reviews
 - 6. Grievances
 - 7. Return to Login Page: [2](#)

PRODUCT PAGE

Choose operation (Enter Alpha)

- B. View Specific Products
 - C. View reviews for specific order
 - D. View Sorted Products

Enter Category to choose from:
A. Category

- A. Category
 - B. Price
 - C. Location: C
Delhi

| PID |

P0005	Indian Mythology Book	Bestselling novel on ancient tales	Books	Instant	400.0	300	Delhi
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	250	Delhi
P0014	Multani Mitti Face Pack	Natural clay, for all skin types	Beauty	Instant	150.0	200	Delhi
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4.Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 2

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Show All Products
- B. View Specific Products
- C. View reviews for specific order
- D. View Sorted ProductsB

Enter Category to choose from:

- A. Category
- B. Price
- C. Location: C

Enter State: Karnataka

PId	Pname	Description	Category	Dtype	Price	Qty	State
P0004	Yoga Mat	Non-slip, eco-friendly material	Sports	Long	999.0	200	Karnataka
P0008	XYZ Notebooks	500 pages book, good quality paper	Stationary	Instant	200.0	1000	Karnataka
P0015	XYZ Journal	100 page Diary for Journaling	Stationary	Long	800.0	200	Karnataka
P0017	Atomic Habits	Non-fiction book written by James Clear	Books	Instant	600.0	200	Karnataka

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4.Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 3

SHOPPING CART

Choose operation(Enter Alphabet):

- A. Add products to Shopping cart
- B. Update the Shopping Cart
- C. Delete from Shopping Cart
- D.Show the Shopping Cart
- E.Generate Bill: A

```
Enter User Id: Vik09
Enter Method of paymentCard
Enter Product Id: P0001
Available Quantity: 100
Enter Quantity: 3
Total Price: 224997.0
More?(Y/N): Y
Enter Product Id: P0008
Available Quantity: 1000
Enter Quantity: 2
Total Price: 400.0
More?(Y/N): Y
Enter Product Id: P0009
Available Quantity: 200
Enter Quantity: 1
Total Price: 1000.0|
More?(Y/N): N
```

Enter the number to choose an Domain(Enter Number):

- 1. Admin and Users
- 2. Products
- 3. Shopping Cart
- 4. Orders
- 5. Reviews
- 6. Grievances
- 7.Return to Login Page: 7

Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 7

```
*****  
*****  
*****  
*****  
*****  
LOGIN PAGE  
*****  
*****  
*****  
*****  
*****  
Enter Your Domain For Logging In:  
    A. Admin  
    B. User  
    C. Close the Program (Enter C): C  
Closing the Program
```

Alternative 3:

```
===== RESTART: d:\Users\chinm\Desktop\ECOMMERCE FINAL PROJECT.py =====
*****Welcome*****
*****
*****LOGIN PAGE
*****
*****Enter Your Domain For Logging In:
    A. Admin
    B. User
    C. Close the Program (Enter C): User
Press Enter If You do not have UserId
Enter UserId:
Would You like to Register?(Y/N) Y
Enter your Name: Divya Singh
Enter Email Id: divyasingh@gmail.com
Enter Mobile No.: 2109876543
Enter Address: 202 Connaught Place, New Delhi
Enter State: Delhi
Enter Password(5 characters)Divyl
*****
User ID: Div54
*****

You Have Registered Successfully

Enter the number to choose an Domain(Enter Number):
    1.Admin and Users
    2.Products
    3.Shopping Cart
    4. Orders
    5.Reviews
    6.Grievances
    7.Return to Login Page: 2

*****
PRODUCT PAGE
*****
Choose operation (Enter Alphabet):
    A. Show All Products
    B. View Specific Products
    C. View reviews for specific order
    D. View Sorted ProductsA

+-----+
| PId |          Pname |          Description |      Category |     Dtype |     Price |     Qty |          State |
+-----+
| P0001 |      Smartphone X | Latest model with 5G capability | Electronics | Long | 74999.0 | 100 | Maharashtra |
| P0002 |      Cotton Kurta | Comfortable, traditional wear | Fashion | Long | 1500.0 | 500 | Gujarat |
| P0003 |      Basmati Rice | Premium quality, 5kg pack | Grocery | Instant | 500.0 | 1000 | Punjab |
| P0004 |      Yoga Mat | Non-slip, eco-friendly material | Sports | Long | 999.0 | 200 | Karnataka |
| P0005 | Indian Mythology Book | Bestselling novel on ancient tales | Books | Instant | 400.0 | 300 | Delhi |
| P0006 | Ayurvedic Hair Oil | Natural ingredients, promotes hair growth | Beauty | Long | 300.0 | 150 | Maharashtra |
| P0007 |      Wireless Mouse | Ergonomic design, long battery life | Electronics | Instant | 2000.0 | 250 | Delhi |
| P0008 | XYZ Notebooks | 500 pages book, good quality paper | Stationary | Instant | 200.0 | 1000 | Karnataka |
| P0009 |      Lego Set | Lego City Set for ages 8-15 years | Toys | Long | 1000.0 | 200 | Punjab |
| P0010 |      Pressure Cooker | Stainless steel, 5L capacity | Home | Instant | 2000.0 | 200 | Gujarat |
| P0011 |      Masala Chai | Premium blend, 250g pack | Grocery | Instant | 200.0 | 400 | Gujarat |
| P0012 |      Cricket Bat | Professional grade, English willow | Sports | Long | 3000.0 | 300 | Punjab |
| P0013 | Kohlapuri Chappal | Handcrafted leather sandals | Fashion | Long | 800.0 | 100 | Maharashtra |
| P0014 | Multani Mitti Face Pack | Natural clay, for all skin types | Beauty | Instant | 150.0 | 200 | Delhi |
| P0015 | XYZ Journal | 100 page Diary for Journaling | Stationary | Long | 800.0 | 200 | Karnataka |
| P0016 |      Ludo | A board game for four players | Toys | Long | 150.0 | 500 | Maharashtra |
| P0017 | Atomic Habits | Non-fiction book written by James Clear | Books | Instant | 600.0 | 200 | Karnataka |
| P0018 | Electric Tandoor | Compact size, energy efficient | Home | Long | 3000.0 | 200 | Punjab |
| P0019 | Bluetooth Speaker | Waterproof, 20-hour battery | Electronics | Instant | 4000.0 | 250 | Delhi |
| P0020 | Pashmina Shawl | 100% pure, hand-woven | Fashion | Long | 5500.0 | 500 | Gujarat |
+-----+
```


Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 3

SHOPPING CART

Choose operation(Enter Alphabet):

- A. Add products to Shopping cart
- B. Update the Shopping Cart
- C. Delete from Shopping Cart
- D.Show the Shopping Cart
- E.Generate Bill: B

Enter UserId: Div54

What would you like to update(Qty, MOP)Qty

Enter Product Id: P0008

Available Quantity: 1000

Enter updated value: 15

Updated Price: 3000.0

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 3

SHOPPING CART

Choose operation(Enter Alphabet):

- A. Add products to Shopping cart
- B. Update the Shopping Cart
- C. Delete from Shopping Cart
- D.Show the Shopping Cart
- E.Generate Bill: D

Enter User Id: Div54

UID	PId	PPrice	Qty	TPrice	MOP
Div54	P0015	800.0	1	800.0	Cash
Div54	P0007	2000.0	3	6000.0	Cash
Div54	P0008	200.0	15	3000.0	Cash

Enter the number to choose an Domain(Enter Number) :

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 4

ORDERS PAGE

Choose operation (Enter Alphabet) :

- A. Checkout
- B. Delete Orders
- C. View Orders by Specific User: A

THIS WILL DELETE YOUR SHOPPING CART AND WILL ADD YOUR ITEMS TO YOUR ORDERS

Enter UserId : Div54
Enter Date of Placing Order in Format(YYYY-MM-DD) : 2024-10-24
Enter Date of Delivery in Format(YYYY-MM-DD) : 2024-10-30
Your Order has been placed!!

Order ID: 00000

Enter the number to choose an Domain(Enter Number) :

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 5

REVIEWS

Choose operation (Enter Alphabet) :

- A. Add Reviews
- B. Update Reviews
- C. Delete Reviews: A

Enter your User ID: Div54
Enter Product ID: P0008
Enter Order ID: O0000
Enter Rating (1-5) : 1
Enter your review: Did not like the quality of the product.
Review added successfully.

Enter the number to choose an Domain(Enter Number) :
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 6

```
*****
***** GRIEVANCES *****
*****
Choose operation (Enter Alphabet):
    A. Add Grievances
    B. Update Grievances
    C. Delete Grievances: A

Enter your User ID: Div54
Enter Order ID: 00001
Enter your grievance title: Bad Qaulity Product
Enter your grievance description: Not satisfied with the quality of product. Need refund!
Grievance submitted successfully.
```

Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 6

```
*****
*****  
*****  
*****  
*****  
GRIEVANCES  
*****  
*****  
*****  
*****  
*****  
*****  
*****  
*****  
Choose operation (Enter Alphabet):  
          A. Add Grievances  
          B. Update Grievances  
          C. Delete Grievances: B  
  
Enter your User ID: Div54  
Enter Order ID: 00000  
Enter updated grievance: Bad Quality Product  
Enter Updted Grievance Description: Unsatisfied with Product Quality. Require replacement.  
Grievance updated successfully.
```

```
Enter the number to choose an Domain(Enter Number):  
    1. Admin and Users  
    2. Products  
    3. Shopping Cart  
    4. Orders  
    5. Reviews  
    6. Grievances  
    7. Return to Login Page: 7
```

Alternative 4:

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 2

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Show All Products
- B. View Specific Products
- C. View reviews for specific order
- D. View Sorted Products

Enter Product ID: P0007

UID	PID	OID	Rt	Review
Div54	P0007	00000	4	Amazing Product! Worth Buying!

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 3

SHOPPING CART

Choose operation(Enter Alphabet):

- A. Add products to Shopping cart
- B. Update the Shopping Cart
- C. Delete from Shopping Cart
- D.Show the Shopping Cart
- E.Generate Bill: D

Enter User Id: Vik09

UID	PID	PPrice	Qty	TPrice	MOP
Vik09	P0001	74999.0	3	224997.0	Card
Vik09	P0008	200.0	2	400.0	Card
Vik09	P0009	1000.0	1	1000.0	Card

```
Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4. Orders
5.Reviews
6.Grievances
7.Return to Login Page: 4
```

```
*****
*****ORDERS PAGE*****
*****
Choose operation (Enter Alphabet):
A. Checkout
B. Delete Orders
C. View Orders by Specific User: A
```

```
-----THIS WILL DELETE YOUR SHOPPING CART AND WILL ADD YOUR ITEMS TO YOUR ORDERS-----
```

```
Enter UserId : Vik09
Enter Date of Placing Order in Format(YYYY-MM-DD): 2024-10-24
Enter Date of Delivery in Format(YYYY-MM-DD): 2024-11-04
Your Order has been placed!!
```

```
*****
Order ID: 00001
*****
```

```
Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4. Orders
5.Reviews
6.Grievances
7.Return to Login Page: 4
```

```
*****
*****ORDERS PAGE*****
*****
Choose operation (Enter Alphabet):
A. Checkout
B. Delete Orders
C. View Orders by Specific User: C
Enter UserId: Vik09
| OId | UId | PIds | TotalCost | Odate | Ddate |
| 00001 | Vik09 | P0001 P0008 P0009 | 226397.0 | 2024-10-24 | 2024-11-04|
```

Enter the number to choose an Domain(Enter Number) :
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 5

Enter the number to choose an Domain(Enter Number):

- 1. Admin and Users
- 2. Products
- 3. Shopping Cart
- 4. Orders
- 5. Reviews
- 6. Grievances
- 7. Return to Login Page: 5

```
Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 5
```

```
*****  
*****  
*****  
*****  
*****
```

REVIEWS

```
*****  
*****  
*****  
*****  
*****
```

```
*****  
Choose operation (Enter Alphabet):
```

- A. Add Reviews
- B. Update Reviews
- C. Delete Reviews: A

```
Enter your User ID: Vik09
```

```
Enter Product ID: P0009
```

```
Enter Order ID: O0001
```

```
Enter Rating (1-5): 5
```

```
Enter your review: Amazing Product!!
```

```
Review added successfully.
```

```
Enter the number to choose an Domain(Enter Number):
```

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4.Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 6

```
*****  
*****  
*****  
*****  
*****
```

GRIEVANCES

```
*****  
*****  
*****  
*****  
*****
```

```
*****  
Choose operation (Enter Alphabet):
```

- A. Add Grievances
- B. Update Grievances
- C. Delete Grievances
- D. View Grievances: A

```
Enter your User ID: Vik09
```

```
Enter Order ID: O0001
```

```
Enter your grievance title: Bad Quality product
```

```
Enter your grievance description: Unsatisfied with the product quality. Need refund
```

```
Grievance submitted successfully.
```

Enter the number to choose an Domain(Enter Number):

- 1. Admin and Users
- 2. Products
- 3. Shopping Cart
- 4. Orders
- 5. Reviews
- 6. Grievances
- 7. Return to Login Page: 7

Alternative 5:

Enter the number to choose an Domain(Enter Number):
 1.Admin and Users
 2.Products
 3.Shopping Cart
 4.Orders
 5.Reviews
 6.Grievances
 7.Return to Login Page: 1

 ADMIN and USER Page

 Choose operation (Enter Alphabet):
 A.Display All Admin Credentials
 B.Show All Users
 C.Show Users by State
 D.Add Admin: B

UID	Name	EmailId	MobileNo	Address	State	Pwrd
Div54	Divya Singh	divyasingh@gmail.com	2109876543	202 Connaught Place, New Delhi	Delhi	Divyl
Vik09	Vikas Patel	vikaspatel@gmail.com	7654321098	123 MG Road, Bangalore	Karnataka	Vikal

Enter the number to choose an Domain(Enter Number):
 1.Admin and Users
 2.Products
 3.Shopping Cart
 4.Orders
 5.Reviews
 6.Grievances
 7.Return to Login Page: 1

 ADMIN and USER Page

 Choose operation (Enter Alphabet):
 A.Display All Admin Credentials
 B.Show All Users
 C.Show Users by State
 D.Add Admin: C
 Enter State Name: Delhi

UID	Name	EmailId	MobileNo	Address	State	Pwrd
Div54	Divya Singh	divyasingh@gmail.com	2109876543	202 Connaught Place, New Delhi	Delhi	Divyl

Enter the number to choose an Domain(Enter Number):
 1.Admin and Users
 2.Products
 3.Shopping Cart
 4.Orders
 5.Reviews
 6.Grievances
 7.Return to Login Page: 4

 ORDERS PAGE

 Choose operation (Enter Alphabet):
 A. Show All Orders
 B. Update Orders
 C. Show Orders by Specific User:A

OId	UID	PIds	TotalCost	Odate	Ddate
O0000	Div54	P0007 P0008	9000.0	2024-10-24	2024-10-30
O0001	Vik09	P0001 P0008 P0009	226397.0	2024-10-24	2024-11-04

Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4. Orders
5.Reviews
6.Grievances
7.Return to Login Page: 4

ORDERS PAGE

Choose operation (Enter Alphabet):

- A. Show All Orders
- B. Update Orders
- C. Show Orders by Specific User:B

Enter Order Id: 00001

What would you like to update (UserId, Odate,Ddate): Ddate

Enter Updated Value: 2024-11-05

Updated Successfully

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 4

ORDERS PAGE

Choose operation (Enter Alphabet):

- A. Show All Orders
- B. Update Orders
- C. Show Orders by Specific User:A

OId	UID	PIds	TotalCost	Odate	Ddate
00000	Div54	P0007 P0008	9000.0	2024-10-24	2024-10-30
00001	Vik09	P0001 P0008 P0009	226397.0	2024-10-24	2024-11-05

ORDERS PAGE

Choose operation (Enter Alphabet):

- A. Show All Orders
- B. Update Orders
- C. Show Orders by Specific User:C

Enter UserId: Div54

OId	UID	PIds	TotalCost	Odate	Ddate
00000	Div54	P0007 P0008	9000.0	2024-10-24	2024-10-30

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 5

REVIEWS

Choose operation:

- A. View Reviews: A

Enter A number

- 1) See Product and User description
- 2) Reviews for specific product
- 3) Reviews from specific user
- 4) Reviews with specific rating

Choose an option: 1

UID	UserName	PID	Pname	Rt	Review
Div54	Divya Singh	P0007	Wireless Mouse	4	Amazing Product! Worth Buying
Div54	Divya Singh	P0008	XYZ Notebooks	1	Did not like the quality of the product.
Vik09	Vikas Patel	P0001	Smartphone X	2	The product is not worth the money.
Vik09	Vikas Patel	P0009	Lego Set	5	Amazing Product!!

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 5

REVIEWS

Choose operation:

- A. View Reviews: A

Enter A number

- 1) See Product and User description
- 2) Reviews for specific product
- 3) Reviews from specific user
- 4) Reviews with specific rating

Choose an option: 2

Enter Product ID: P0001

UID	PID	OID	Rt	Review
Vik09	P0001	00001	2	The product is not worth the money.

Enter the number to choose an Domain(Enter Number) :

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 5

REVIEWS

Choose operation:

A. View Reviews: A

Enter A number

- 1) See Product and User description
- 2) Reviews for specific product
- 3) Reviews from specific user
- 4) Reviews with specific rating

Choose an option: 3

Enter User ID: Vik09

UID	PID	OID	Rt	Review
Vik09	P0001	00001	2	The product is not worth the money.
Vik09	P0009	00001	5	Amazing Product!!

Enter the number to choose an Domain(Enter Number) :

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 5

REVIEWS

Choose operation:

A. View Reviews: A

Enter A number

- 1) See Product and User description
- 2) Reviews for specific product
- 3) Reviews from specific user
- 4) Reviews with specific rating

Choose an option: 4

Enter Rating: 5

UID	PID	OID	Rt	Review
Vik09	P0009	00001	5	Amazing Product!!

Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4. Orders
5.Reviews
6.Grievances
7.Return to Login Page: 6

GRIEVANCES

Choose operation (Enter Alphabet):
A. View Grievances:
B. Reply GrievancesA
1) View grievances by User ID
2) View grievances by Order ID
Choose an option: 1
Enter User ID: Vik09
| UserId | OrderId | Tgrieve | Sgrieve | SolGrieve |

| Vik09 | 00001 | Bad Quality product | Unsatisfied with the product quality. Need refund | None |

Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4. Orders
5.Reviews
6.Grievances
7.Return to Login Page: 6

GRIEVANCES

Choose operation (Enter Alphabet):
A. View Grievances:
B. Reply GrievancesB
Enter User ID: Vik09
Enter Order ID: 00001
Grievance Title: Bad Quality product
Grievance description: Unsatisfied with the product quality. Need refund
Enter Reply to grievance: Sorry! You will be refunded
Grievance updated successfully.

Enter the number to choose an Domain (Enter Number):

- [1. Admin and Users](#)
 - [2. Products](#)
 - [3. Shopping Cart](#)
 - [4. Orders](#)
 - [5. Reviews](#)
 - [6. Grievances](#)
 - [7. Return to Login Page](#)

```
*****  
*****  
*****  
*****  
*****  
LOGIN PAGE  
*****  
*****  
*****  
*****  
*****  
*****  
Enter Your Domain For Logging In:  
    A. Admin  
    B. User  
    C. Close the Program (Enter C): c  
Closing the Program
```

Alternative 6:

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4.Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 3

SHOPPING CART

Choose operation(Enter Alphabet):

- A. Add products to Shopping cart
- B. Update the Shopping Cart
- C. Delete from Shopping Cart
- D.Show the Shopping Cart
- E.Generate Bill: A

E.Generate Bill: A

```
Enter User Id: Vik09
Enter Method of paymentCard
Enter Product Id: P0002
Available Quantity: 500
Enter Quantity: 2
Total Price: 3000.0
More?(Y/N): Y
Enter Product Id: P0015
Available Quantity: 200
Enter Quantity: 3
Total Price: 2400.0
More?(Y/N): Y
Enter Product Id: P0004
Available Quantity: 200
Enter Quantity: 4
Total Price: 3996.0
More?(Y/N): N
```

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4.Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 4

```
*****
***** ORDERS PAGE *****
*****
Choose operation (Enter Alphabet):
    A. Checkout
    B. Delete Orders
    C. View Orders by Specific User: C
Enter UserId: Vik09
+-----+-----+-----+-----+-----+
|   OID |   UID |     PIDs |   TotalCost |       Odate |       Ddate|
+-----+-----+-----+-----+-----+
| 00001 | Vik09 | P0001 P0008 P0009 | 226397.0 | 2024-10-24 | 2024-11-05|
```

Enter the number to choose an Domain(Enter Number):

- 1. Admin and Users
- 2. Products
- 3. Shopping Cart
- 4. Orders
- 5. Reviews
- 6. Grievances
- 7. Return to Login Page: 5

```
*****  
*****  
*****  
*****  
*****  
REVIEWS  
*****  
*****  
*****  
*****  
*****  
*****  
Choose operation (Enter Alphabet):  
    A. Add Reviews  
    B. Update Reviews  
    C. Delete Reviews: C  
Enter your User ID: Vik09  
Enter Product ID to delete review for: P0009  
Review deleted.
```

```
Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 6
```

```
*****
*****GRIEVANCES*****
*****
Choose operation (Enter Alphabet):
A. Add Grievances
B. Update Grievances
C. Delete Grievances
D. View Grievances: D
1) View grievances by User ID
2) View grievances by Order ID
Choose an option: 2
Enter Order ID: 00001
| UserId | OrderId | Tgrieve | Sgrieve | SolGrieve |
*****| Vik09 | 00001 | Bad Quality product | Unsatisfied with the product quality. Need refund | Sorry! You will be refunded |
*****
```

```
Enter the number to choose an Domain(Enter Number):
1.Admin and Users
2.Products
3.Shopping Cart
4.Orders
5.Reviews
6.Grievances
7.Return to Login Page: 7
```

```
*****
*****LOGIN PAGE*****
*****
Enter Your Domain For Logging In:
A. Admin
B. User
C. Close the Program (Enter C): c
Closing the Program
```

Alternative 7

```
===== RESTART: d:\Users\chinm\Desktop\ECOMMERCE FINAL PROJECT.py =====
*****Welcome*****
*****
*****
*****LOGIN PAGE*****
*****
*****
*****Enter Your Domain For Logging In:
      A. Admin
      B. User
      C. Close the Program (Enter C): Admin
Enter 0 if you don't have an account
Enter Admin Id: 10002
Enter Admin Name: Sarah Patel
Enter Password: Saral
Logged in Successfully!

Enter the number to choose an Domain(Enter Number):
      1.Admin and Users
      2.Products
      3.Shopping Cart
      4. Orders
      5.Reviews
      6.Grievances
      7.Return to Login Page: 5

*****
*****REVIEWS*****
*****
*****
Choose operation:
      A. View Reviews: A
Enter A number
      1) See Product and User description
      2) Reviews for specific product
      3) Reviews from specific user
      4) Reviews with specific rating
Choose an option: 1
    UID |          UserName |    PID |          Pname |  Rt |          Review |
    Div54 |        Divya Singh |  P0007 |  Wireless Mouse |  4 | Amazing Product! Worth Buying |
    Div54 |        Divya Singh |  P0008 |  XYZ Notebooks |  1 | Did not like the quality of the product. |
    Vik09 |       Vikas Patel |  P0001 | Smartphone X |  2 | The product is not worth the money. |
```

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 3

SHOPPING CART

Choose operation (Enter Alphabet):

- A. Show Shopping Cart: A

Enter User Id: Vik09

UIId	PId	PPrice	Qty	TPrice	MOP
Vik09	P0002	1500.0	2	3000.0	Card
Vik09	P0015	800.0	3	2400.0	Card
Vik09	P0004	999.0	4	3996.0	Card

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 2

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Add Products
- B. Update Products
- C. Delete Products
- D. Show All Products

Enter the Product Id to be deleted: P0014

Deleted Product Successfully

Enter the number to choose an Domain(Enter Number):

- 1.Admin and Users
- 2.Products
- 3.Shopping Cart
- 4. Orders
- 5.Reviews
- 6.Grievances
- 7.Return to Login Page: 2

PRODUCT PAGE

Choose operation (Enter Alphabet):

- A. Add Products
- B. Update Products
- C. Delete Products
- D. Show All Products

B. Show All Products							
PId	Pname	Description	Category	Dtype	Price	Qty	State
P0001	Smartphone X	Latest model with 5G capability	Electronics	Long	74999.0	97	Maharashtra
P0002	Cotton Kurta	Comfortable, traditional wear	Fashion	Long	1500.0	500	Gujarat
P0003	Basmati Rice	Premium quality, 5kg pack	Grocery	Instant	500.0	1000	Punjab
P0004	Yoga Mat	Non-slip, eco-friendly material	Sports	Long	999.0	200	Karnataka
P0005	Indian Mythology Book	Bestselling novel on ancient tales	Books	Instant	400.0	300	Delhi
P0006	Ayurvedic Hair Oil	Natural ingredients, promotes hair growth	Beauty	Long	300.0	150	Maharashtra
P0007	Wireless Mouse	Ergonomic design, long battery life	Electronics	Instant	2000.0	247	Delhi
P0008	XYZ Notebooks	500 pages book, good quality paper	Stationary	Instant	200.0	983	Karnataka
P0009	Lego Set	Lego City Set for ages 8-15 years	Toys	Long	1000.0	199	Punjab
P0010	Pressure Cooker	Stainless steel, 5L capacity	Home	Instant	2000.0	200	Gujarat
P0011	Masala Chai	Premium blend, 250g pack	Grocery	Instant	200.0	400	Gujarat
P0012	Cricket Bat	Professional grade, English willow	Sports	Long	3000.0	300	Punjab
P0013	Kohlapuri Chappal	Handcrafted leather sandals	Fashion	Long	800.0	100	Maharashtra
P0015	XYZ Journal	100 page Diary for Journaling	Stationary	Long	800.0	200	Karnataka
P0016	Ludo	A board game for four players	Toys	Long	150.0	500	Maharashtra
P0017	Atomic Habits	Non-fiction book written by James Clear	Books	Instant	600.0	200	Karnataka
P0018	Electric Tandoor	Compact size, energy efficient	Home	Long	3000.0	200	Punjab
P0019	Bluetooth Speaker	Waterproof, 20-hour battery	Electronics	Instant	4000.0	250	Delhi
P0020	Pashmina Shawl	100% pure, hand-woven	Fashion	Long	5500.0	500	Gujarat

Enter the number to choose an Domain(Enter Number):

1. Admin and Users
2. Products
3. Shopping Cart
4. Orders
5. Reviews
6. Grievances
7. Return to Login Page: 7

LOGIN PAGE

Enter Your Domain For Logging In:

- A. Admin
- B. User
- C. Close the Program (Enter C): c

Closing the Program

Alternative 8:

```
*****
*****ADMIN and USER Page*****
*****Choose operation (Enter Alphabet):
      A.Display All Admin Credentials
      B.Show All Users
      C.Show Users by State
      D.Add Admin
      E. Change Password:  E
Enter New password: John2
Confirm your new password: John2
Confirm Admin Id: 10001
Password Updated Successfully!

*****
*****ADMIN and USER Page*****
*****Choose operation (Enter Alphabet):
      A.Display All Admin Credentials
      B.Show All Users
      C.Show Users by State
      D.Add Admin
      E. Change Password:  A
+-----+
|AdmnId |          Admnname |  Password |
+-----+
| 10001 |      John Rodriguez |  John2 |
| 10002 |      Sarah Patel |  Sarah1 |
| 10003 |      Rahul Sharma |  Rahul |
| 10005 |      Amit Gupta |  Amit1 |
| 10006 |      Neha Kapoor |  Nehal |
| 10007 |      Anita Desai |  Anit1 |
| 10008 |      Deepa Verma |  Deep1 |
+-----+



*****LOGIN PAGE*****
*****Enter Your Domain For Logging In:
      A. Admin
      B. User
      C. Close the Program (Enter C): c
Closing the Program
```

Alternative 9:

```
*****Welcome*****
*****
*****
*****
*****LOGIN PAGE*****
*****
*****
*****
*****
*****
Enter Your Domain For Logging In:
    A. Admin
    B. User
    C. Close the Program (Enter C): User
Press Enter If You do not have UserId
Enter UserId: Div54
Password: Divy1
Logged in Successfully!

Enter the number to choose an Domain(Enter Number):
    1.Admin and Users
    2.Products
    3.Shopping Cart
    4. Orders
    5.Reviews
    6.Grievances
    7.Return to Login Page: 1

*****
*****
*****
*****
*****
*****
ADMIN and USER Page
*****
*****
*****
*****
*****
Do you want to change the password? [Y/N]: Y
Enter New password: Divy2
Confirm your new password: Div21
Passwords do not match. Retry!
Confirm your new password: Divy2
Confirm User Id: Div54
Password Updated Successfully!
```

Enter the number to choose an Domain(Enter Number) :

- [1. Admin and Users](#)
 - [2. Products](#)
 - [3. Shopping Cart](#)
 - [4. Orders](#)
 - [5. Reviews](#)
 - [6. Grievances](#)
 - [7. Return to Login Page: 7](#)

A decorative banner at the top of the page featuring a grid pattern of blue stars arranged in approximately 10 rows and 10 columns.

LOGIN PAGE

A decorative border consisting of a grid of blue five-pointed stars arranged in a repeating pattern along the top, bottom, and right edges of the page.

Enter Your Domain For Logging In:

A. Admin
B. User
C. Close the Program (Enter C): User

Enter the number to choose an Domain (Enter Number) :

- [1. Admin and Users](#)
 - [2. Products](#)
 - [3. Shopping Cart](#)
 - [4. Orders](#)
 - [5. Reviews](#)
 - [6. Grievances](#)
 - [7. Return to Login Page: 7](#)

A decorative border consisting of a repeating pattern of blue five-pointed stars arranged in a grid-like fashion, creating a scalloped or wavy effect along the edges.

LOGIN PAGE

Enter Your Domain For Logging In:

- A. Admin
- B. User
- C. Close the Program (Enter C) : C

Closing the Program

Hardware and Software Requirements

Hardware Requirements

PC/Laptop/MacBook with Intel core/i3/i5/i7 or any equivalent With at least 2 GB RAM 10 MB free space on Hard Disk LCD/LED

Operating System and Compiler

MS Windows

Mysql Version 8.0.39

Python 3.9.7

Pip 2.4