E-STATIONERY

A PROJECT REPORT

Submitted

By

Name	Roll No.
KANAK AGARWAL	--------------
SACHIN JAYAPRAKASH	--------------
AZHAGAN B	--------------

LALAJI MEMORIAL OMEGA INTERNATIONAL SCHOOL

79, OMEGA SCHOOL ROAD, KOLAPAKKAM,

CHENNAI - 600 128

MARCH 2021

BONA-FIDE CERTIFICATE

SUBJECT: COMPUTER SCIENCE

REGISTRATION NO.:_____

Certified   to   be   the   *bona-fide*   record   of   work   done   by

KANAK AGARWAL

of   **Class XII**   as   **PROJECT**   in   the topic

E - STATIONERY

at **Lalaji Memorial Omega International School, Chennai 600128**

during the   academic   year   **2020 -2021**. Submitted   for   **AISSC -**

Practical   Examination   held   on   _____ .

Seal   **Principal**

Date: **Internal Examiner**   **External Examiner**

ACKNOWLEDGEMENT

The satisfaction and euphoria of the successful completion of any task would be incomplete without the mention of the people who made it possible. The constant guidance of these people and encouragement provided by them crowned my efforts with success and glory. I consider it as a privilege to express my gratitude to all those who led and guided me in the course of this project.

First and foremost, I would like to express my gratitude to the **MANAGEMENT** of my school for making it possible for me to be a part of this project.

I would like to convey my sincere regards to **Mr S VETRIKUMARAN**, my internal guide for his valuable suggestion and necessary guidance during the course of the project.

I also take esteem privilege to thank **Mrs C JAYAPRIYA**, who has been the very backbone and a catalyst for the success behind the completion of this project.

Last but not the least I thank my **PARENTS AND FRIENDS** who had been constant source of inspiration for the completion of this project.

Above all, I thank the **Almighty and My Master** for the blessings to complete this project successfully.

E-STATIONERY PROBLEM STATEMENT

The e-Stationery example is a simple e-commerce application where users can select Stationery, view the Stationery Items catalog, and purchase Stationery Items.

- ➢ Implement a module for user registration. Collect the name, contact number, shipping and billing address from the user while registering and any additional fields if required.
- ➢ Stationery Items should be organized into various categories. Display all these categories in the home page. Selecting a category should display all the Stationery Items under the category.
- ➢ A guest (who is not yet logged in) should be able to query for any Stationery Items. To buy Stationery items the user should be logged in. Implementing a shopping cart is optional.

There should be a Buy Stationery button under each stationery. This should take the user to the buy Stationery page. Also, display the count of number of available stationery items.

If zero, display appropriate message, otherwise, the customer information should be auto-populated in the buy page. However, the user should be able to edit any information.

The user should be able to select the number of stationery items required. The total price should be displayed to the user. By clicking on 'Submit Order', display success message.

- ➢ Two kinds of roles exist for the system: A regular user (end user) and an admin (or a super user). A regular user should only be able to buy stationery. However, an admin can additionally add stationery to the inventory and query all the orders placed in the website.
- ➢ Maintain a log of all the stationery items sold including the details of the user who bought it. A user with the role of 'Admin'/'Superuser' should be able to query all the orders placed in the website.

Display appropriate messages wherever applicable.

As a high-level table structure, the following tables will be required: Stationery items, User, Role, Inventory Tables,

The Stationery entity should define at-least the following attributes:

- ➢ Code Number
- ➢ Stationery name
- ➢ The price
- ➢ Whether the stationery items are on sale
- ➢ A description of the stationery items

CODE

Cart.py

```python
import mysql.connector
import regmodule as r
import sqlmodule as s
import misc
mydb=mysql.connector.connect(host='localhost',user='root',passwd='passwd',data
base='estationery')

def cartStat():
    mycursor=mydb.cursor()
    mycursor.execute('SELECT category FROM inventory')
    myTable=mycursor.fetchall()
    l=[]
    for i in myTable:
        l+=i
    l=(list(set(l)))
    l.sort()
    for i in range (0,len(l)):
        print(i+1,'.',l[i])
    b=int(input("Enter your choice:"))
    c=l[b-1]
    myCursor=mydb.cursor();
    myCursor.execute("select * from inventory WHERE category='%s'" %(c));
    myTable=myCursor.fetchall();
    for row in myTable:
        print('============================================================')
        print("Item number:",row[0])
        print('Name:',row[1])
        print('Price of the item:',row[2])
        print('Quantity available on sale:',row[4])
        print('Description of the item:',row[5])
        print('============================================================')
        print()

def Cart():
    global cart
    global a
    cart={}
    a='Y'
    while a=='Y':
        cartStat()
        code=int(input('Enter the code:'))
        quantity=int(input('Enter the quantity:'))
        cart.update({code:quantity})
        print('Added to Cart successfully...')
        a=input('Want to add more(Y/N)?')
    if a!='Y':
        print('=============================================================')
         b=input('Would you like to continue to billing (Y/N)?')
```

```python
            b=b.upper()
            if b=='Y':
                print('Welcome to billing section')
                billing()
            else:
                addcart()

def billing():
    print('Your Cart:')
    quantity=0
    code=0
    tot=0
    for key in cart:
        code=key
        value=cart[key]
        mycursor=mydb.cursor()
        mycursor.execute("Select Name,price from inventory where code='%s'"
        %(code));
        mytable=mycursor.fetchall()
        for i in mytable:

            print('=======================================================')
            print('Code:',code)
            print('Name:',i[0])
            print('Price:',i[1])
            print('Quantity:',value)
            print('=======================================================')
            print()
            tot=tot+i[1]*value
    print('Total payment:',tot)
    Submitorder()

def billpay():
    print('Your Cart:')
    quantity=0
    code=0
    tot=0
    for key in cart:
        code=key
        value=cart[key]
        mycursor=mydb.cursor()
        mycursor.execute("Select Name,price from inventory where code='%s'"
%(code));
        mytable=mycursor.fetchall()
        for i in mytable:

            print('=======================================================')
            print('Code:',code)
            print('Name:',i[0])
            print('Price:',i[1])
            print('Quantity:',value)
```

```python
            print('=====================================================')
            print()
            tot=tot+i[1]*value
    print('Total payment:',tot)

def addcart():
    x='Y'
    while x=='Y':
        cartStat()
        code=int(input('Enter the code:'))
        quantity=int(input('Enter the quantity:'))
        cart.update({code:quantity})
        print('Added to Cart successfully...')
        x=input('Want to add more(Y/N)?')
        x=x.upper()
    if x!='Y':

        print('=====================================================')
        b=input('Would you like to continue to billing (Y/N)?')
        b=b.upper()
        if b=='Y':
            print('Welcome to billing section')
            billing()
        else:
            addcart()

def delcart():
    code=int(input('Enter the code of the item to be deleted:'))
    del cart[code]
    print('Updated Cart:')
    print()
    for key in cart:
        code=key
        value=cart[key]
        mycursor=mydb.cursor()
        mycursor.execute("Select Name,price from inventory where code='%s'"
         %(code));
        mytable=mycursor.fetchall()
        for i in mytable:
            print('=====================================================')
            print('Code:',code)
            print('Name:',i[0])
            print('Price:',i[1])
            print('Quantity:',value)
            print('=====================================================')
            print()

def Submitorder():
    z=input('Would you like to add anything to cart (Y/N)?')
    if z=='Y':
        addcart()
```

```python
    else:
        x=input('Would you like to delete something from cart (Y/N)?')
        x=x.upper()
        if x=='Y':
            delcart()
    y=input('Are you ready to submit order (Y/N)?')
    y=y.upper()
    global userid
    print()
    userid=input("Enter userid:")
    if y=='Y':
        print('Your order summary:')
        billpay()
        r=input('Would you like to make payment(Y/N)?')
        r=r.upper()
        if r=='Y':
            print('Your details:')
            mycursor=mydb.cursor()
            mycursor.execute("Select Name,Phone_no,Email_ID,address from
            user_details where userid='%s'" %(userid));
            mytable=mycursor.fetchall()
            for i in mytable:

                print('==================================================')
                print('1.User Id:',userid)
                print('2.Name:',i[0])
                print('3.Phone Number:',i[1])
                print('4.Email ID:',i[2])
                print('5.Address:',i[3])
                print()
            s=input('Would you like to update user details (Y/N)?')
            s=s.upper()
            if s=='Y':
                updatedet()
            else:
                payment()
    else:
        z=input('Would you like to add anything to cart (Y/N)?')
        z=z.upper()
        if z=='Y':
            addcart()
        else:
            x=input('Would you like to delete something from cart (Y/N)?')
            if x=='Y':
                delcart()
            else:
                Submitorder()


def updatedet():
    a=int(input('What would you like to update?'))
```

```python
    print()
    print('Choose option based on numbered menu')
    if a==2:
        b=input('Enter new name:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set Name=%s where
        userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    elif a==3:
        b=input('Enter new Phone number:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set Phone_no=%s where
        userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    elif a==4:
        b=input('Enter new Email ID:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set Email_ID=%s where
        userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    elif a==5:
        b=input('Enter new Address:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set address=%s where
        userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    payment()

def updatedet():
    print('Choose option based on numbered menu')
    a=int(input('What would you like to update?'))
    print()
    if a==2:
        b=input('Enter new name:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set Name=%s where
        userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    elif a==3:
        b=input('Enter new Phone number:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set Phone_no=%s where
        userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    elif a==4:
```

```python
        b=input('Enter new Email ID:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set Email_ID=%s where
         userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    elif a==5:
        b=input('Enter new Address:')
        mycursor=mydb.cursor()
        mycursor.execute("update user_details set address=%s where
         userid=%s",(b,userid));
        mydb.commit()
        print('User details updated successfully')
    payment()

def payment():
    print("Welcome to payment Page")
    p=input('Would you like to confirm payment (Y/N)?')
    p=p.upper()
    if p=='Y':
        print()
        print()
        print('Payment Confirmed')
        print('Items will be delivered as soon as possible')
        print()
        print('Your bill:')
        tot=0
        for key in cart:
            code=key
            value=cart[key]
            mycursor=mydb.cursor()
            mycursor.execute("Select Name,price from inventory where code='%s'"
            %(code));
            mytable=mycursor.fetchall()
            for i in mytable:

                print('=================================================')
                print('Code:',code)
                print('Name:',i[0])
                print('Price:',i[1])
                print('Quantity:',value)
                print()
                myCursor=mydb.cursor();
                myCursor.execute('INSERT INTO log
                VALUES(%s,%s,%s,%s,%s,now())',(userid,code,i[0],i[1],value));
                myCursor.execute('UPDATE inventory SET inventory.quantity =
                inventory.quantity-%s WHERE code =%s',(value,code));
                mydb.commit()
                tot=tot+i[1]*value
                print('=================================================')
                print()
```

```python
                print('Total payment made:',tot)
                print()
                print('=====================================================')

    else:
        Cart()
```

Misc.py

```python
import mysql.connector
import regmodule as r
import sqlmodule as s
import cart
mydb=mysql.connector.connect(host='localhost',user='root',passwd='passwd',data
base='estationery')

def catStat():
    print()
    print('Select desired category of items based on numbered value')
    mycursor=mydb.cursor()
    mycursor.execute('SELECT category FROM inventory')
    myTable=mycursor.fetchall()
    l=[]
    for i in myTable:
        l+=i
    l=(list(set(l)))
    l.sort()
    for i in range (0,len(l)):
        print(i+1,'.',l[i])
    b=0
    while True:
        b=int(input("Enter your choice:"))
        if 1<=b<=11:
            break
        else:
            print('Invalid Choice')
            continue
    c=l[b-1]
    try:
        myCursor=mydb.cursor();
        myCursor.execute("select * from inventory WHERE category='%s'" %(c));
        myTable=myCursor.fetchall();
        n=1
        for row in myTable:

            print('=====================================================')
            print("Item code:",row[0])
            print('Name:',row[1])
            print('Price:',row[2])
```

```python
                print('Quantity:',row[4])
                print('Description:',row[5])
                print('====================================================')
                print()
                n=n+1
            b=input('Want to continue (Y/N)?')
            b.upper()
            if b=='Y':
                catStat()
        finally:
            myCursor.close()
            mydb.close()

def updatePass():
    try:
        userid=input('Enter your username:')
        passwd=input('Enter the new password:')
        myCursor=mydb.cursor();
        myCursor.execute("update userpass set pass=%s where
        userid=%s",(userid,passwd));
        print('Password updated successfully...')
        mydb.commit();
    except Exception:
        print('Try again!')
    finally:
        myCursor.close()
        mydb.close()

def signin():
    global userid
    userid=input('Enter your username:')
    myCursor=mydb.cursor();
    myCursor.execute("select userid from userpass")
    myTable=myCursor.fetchall()
    for i in range(0,len(myTable)):
        b=[]
        b.append(userid)
        if b==list(myTable[i]):
            break
    else:
        print('Username does not exist please create account')
        r.adduser()
    p=input('Enter password:')
    mycursor=mydb.cursor()
    mycursor.execute("select pass from userpass where userid='%s'" %(userid))
    a=mycursor.fetchall()
    l=[]
    l.append(p)
    l=tuple(l)
    if l==a[0]:
        print('Sign in successful')
```

```python
        else:
            print('Wrong password, Forgot password? Reset Now!')
            c=input('Do you want to update password (Y/N)?')
            if c=='Y':
                updatePass()
            else:
                print('Try again!')
                signin()
    mydb.commit();
    if userid=='admin':
        admin()
    else:
        cart.Cart()
    mydb.commit();
    if a!='Y':
        myCursor.close()
        mydb.close()


def admin():
    print('Welcome to admin functions')
    print('You may perform the following functions:')
    print()
    print('Choose function according to numbered menu')
    print('1. Update Inventory-Quantity of stationery items')
    print("2. Delete item from Inventory")
    print("3. Add item in Inventory")
    print("4. Show items in Inventory")
    print("5. View Purchase Log")
    print()
    a=int(input('Enter your choice:'))
    if a==1:
        s.updateStat()
    elif a==2:
        s.delstat()
    elif a==3:
        s.addstat()
    elif a==4:
        s.showStat()
    else:
        s.log()
    b=input('Want to continue (Y/N)?')
    b=b.upper()
    if b=='Y':
        admin()
```

RegModule.py

```python
import mysql.connector
mydb=mysql.connector.connect(host='localhost',user='root',passwd='passwd',database='estationery');

def adduser():
    try:
        userid=input('Enter your userid:')
        passwd=input('Enter your Password:')
        name=input('Enter your name:')
        phoneno=int(input('Enter your Phone number:'))
        emailid=input('Enter your Email-ID:')
        Address=input('Enter your Address:')
        myCursor=mydb.cursor()
        myCursor.execute('insert into user_details
        values(%s,%s,%s,%s,%s)',(userid,name,phoneno,emailid,Address));
        myCursor.execute('insert into userpass values(%s,%s)',(userid,passwd));
        mydb.commit()
        print('Record inserted successfully...')

    except Exception:
        print('Please try again!')
        adduser()

    finally:
        myCursor.close()
        mydb.close()
```

SQLModule

```python
import mysql.connector
mydb=mysql.connector.connect(host='localhost',user='root',passwd='passwd',database='estationery');

def addstat():
    try:
        code=int(input('Enter the code:'))
        name=input('Enter the name:')
        price=int(input('Enter the price:'))
        category=input('Enter the category:')
        quantity=int(input('Enter the quantity:'))
        desc=input('Enter the description:')
        myCursor=mydb.cursor()
        myCursor.execute('insert into inventory
        values(%d,%s,%d,%s,%d,%s)',(code,name,price,category,quantity,desc));
        mydb.commit()
        print('Record inserted successfully...')
    except mysql.connector.errors.IntegrityError:
```

```python
            print('This item already exists!')
            addstat()
    finally:
        myCursor.close()
        mydb.close()

def showStat():
    try:
        myCursor=mydb.cursor();
        myCursor.execute('select * from inventory');
        myTable=myCursor.fetchall();
        n=1
        for row in myTable:

            print('=======================================================')
            print("Item code:",n)
            print('Name of the item:',row[1])
            print('Price of the item:',row[2])
            print('Quantity available on sale:',row[4])
            print('Description of the item:',row[5])
            print('=======================================================')
            print()
            n=n+1
    finally:
        myCursor.close()
        mydb.close()

def updateStat():
    try:
        code=input('Enter the code of the stationery item to update:')
        quantity=input('Enter the new quantity:')
        myCursor=mydb.cursor();
        myCursor.execute("select quantity from inventory where code=%s"
        %(code));
        rec=myCursor.fetchone()
        a=eval(quantity)+rec[0]
        quantity=str(a)
        myCursor.execute("update inventory set quantity=%s where code=%s"
        %(quantity,code));
        print('Record updated successfully...')
        mydb.commit();
        showStat()
    except Exception:
        print('Try again!')
    finally:
        myCursor.close()
        mydb.close()

def delstat():
    try:
        code=int(input('Enter the code of the stationery item to be deleted:'))
```

```python
        myCursor=mydb.cursor();
        sql_query = "select * from inventory where code = '%d'" %(code);
        myCursor.execute(sql_query)
        record = myCursor.fetchone()
        print(record)
        myCursor.execute("DELETE FROM inventory WHERE code = '%d'" % (code));
        mydb.commit();
        print(myCursor.rowcount,' record(s) deleted')
        showStat()
    except Exception:
        print('This record is already deleted')
        delstat()
    finally:
        myCursor.close()
        mydb.close()
        print('Record deleted successfully...')

def log():
    myCursor=mydb.cursor();
    myCursor.execute("select * from log")
    myTable=myCursor.fetchall()
    for row in myTable:
        print(row)
```

E-STATIONERY.py

```python
import sqlmodule as s
import regmodule as r
import misc as m
import cart
print("Welcome to E-Stationery Portal")
q=input('Are you a new user (Y/N)?')
q=q.upper()
if q=='Y' :
    n=input('Would you like to sign up (Y/N)?')
    n=n.upper()
    if n=='Y':
        r.adduser()
        cart.Cart()
    else:
        m.catStat()
else:
    w=input('Would you like to sign in (Y/N)?')
    w.upper()
    if w=='Y' :
        m.signin()
    else:
        m.catStat()
```

Software and Hardware Requirement:

- Python
- MySQL
- Windows OS
- Laptop/PC

Team Members:

- Kanak Agarwal
- Sachin Jayaprakash
- Azhagan B

Timeline:

- Started writing the code on 8th December 2020.
- Started testing on 14th December 2020.
- Sent the first version for review on 16th December 2020.
- After updating and optimizing the code, the code was frozen on 29th January 2021.

Summary:

❖ Modules used in the program:
- ➤ Regmodule:
  - ❖ adduser: Used to add a new user.

- ➤ Misc:
  - ❖ catStat: Used to display categories of stationery.
  - ❖ Updatepass: Used to update password.
  - ❖ Signin: Used to sign in to stationery portal.
  - ❖ Admin:Used to access admin functions.

- ➤ SQLModule:
  - ❖ addStat: Used to add stationery item into inventory.
  - ❖ showStat: Used to display all items in inventory.
  - ❖ updateStat: Used to update quantity of item in inventory.
  - ❖ delStat: Used to delete item from inventory.
  - ❖ Log: Used to display item sales log

- ➤ Cart:
  - ❖ cartStat: Used to display items in a particular category.
  - ❖ Cart: Used to add items to cart.
  - ❖ Billing: Used to display items in cart and estimated bill.
  - ❖ Billpay: Used to display items in cart and estimated bill.
  - ❖ Addcart: Used to add items to cart.
  - ❖ Delcart: Used to delete items from cart.
  - ❖ Submitorder: Used to submit order.
  - ❖ Updatedet: Used to update user details.
  - ❖ Payment: Used for payment by the user.

Output

```
Welcome to E-Stationery Portal
Are you a new user (Y/N)?Y
Would you like to sign up (Y/N)?Y
Enter your userid:Shyam
Enter your Password:shyam123
Enter your name:Shyam Singh
Enter your Phone number:456657894
Enter your Email-ID:shyam@gmail.com
Enter your Address:No.5,Chandini chowk,Delhi
Record inserted successfully...
1 . Clips
2 . Crayons
3 . Miscellaneous
4 . Paints
5 . Paper
6 . Pencil
7 . Pens
8 . Punch
9 . Scissors
10 . sellotape
11 . stapler
Enter your choice:1
===============================================================
Item number: 19
Name: Paper clips
Price of the item: 75
Quantity available on sale: 100
Description of the item: A box of Paper clips
===============================================================

===============================================================
Item number: 20
Name: Art clips
Price of the item: 100
Quantity available on sale: 100
Description of the item: A box of Art clips
===============================================================

===============================================================
Item number: 21
Name: Drawing Pins
Price of the item: 80
Quantity available on sale: 100
Description of the item: A box of Drawing Pins
===============================================================
```

```
Welcome to E-Stationery Portal
Are you a new user (Y/N)?n
Would you like to sign in (Y/N)?n

Select desired category of items based on numbered value
1 . Clips
2 . Crayons
3 . Miscellaneous
4 . Paints
5 . Paper
6 . Pencil
7 . Pens
8 . Punch
9 . Scissors
10 . sellotape
11 . stapler
Enter your choice:1
======================================================================
Item code: 19
Name: Paper clips
Price: 75
Quantity: 100
Description: A box of Paper clips
======================================================================


======================================================================
Item code: 20
Name: Art clips
Price: 100
Quantity: 100
Description: A box of Art clips
======================================================================


======================================================================
Item code: 21
Name: Drawing Pins
Price: 80
Quantity: 100
Description: A box of Drawing Pins
======================================================================


======================================================================
Item code: 22
Name: Bell Pins
Price: 85
Quantity: 100
Description: A box of Bell Pins
======================================================================

Want to continue (Y/N)?
```

```
Welcome to E-Stationery Portal
Are you a new user (Y/N)?n
Would you like to sign in (Y/N)?Y
Enter your username:test
Enter password:123
Wrong password, Forgot password? Reset Now!
Do you want to update password (Y/N)?Y
Enter your username:test
Enter the new password:5678
Password updated successfully...
1 . Clips
2 . Crayons
3 . Miscellaneous
4 . Paints
5 . Paper
6 . Pencil
7 . Pens
8 . Punch
9 . Scissors
10 . sellotape
11 . stapler
Enter your choice:1
============================================================
Item number: 19
Name: Paper clips
Price of the item: 75
Quantity available on sale: 100
Description of the item: A box of Paper clips
============================================================

============================================================
Item number: 20
Name: Art clips
Price of the item: 100
Quantity available on sale: 100
Description of the item: A box of Art clips
============================================================
```

```
Welcome to E-Stationery Portal
Are you a new user (Y/N)?n
Would you like to sign in (Y/N)?Y
Enter your username:tet
Username does not exist please create account
Enter your userid:test
Enter your Password:123
Enter your name:test
Enter your Phone number:3456772
Enter your Email-ID:test@gmail.com
Enter your Address:Chennai
Please try again!
Enter your userid:_
```

```
Welcome to E-Stationery Portal
Are you a new user (Y/N)?n
Would you like to sign in (Y/N)?Y
Enter your username:test
Enter password:1234
Sign in successful
1 . Clips
2 . Crayons
3 . Miscellaneous
4 . Paints
5 . Paper
6 . Pencil
7 . Pens
8 . Punch
9 . Scissors
10 . sellotape
11 . stapler
Enter your choice:1
============================================================
Item number: 19
Name: Paper clips
Price of the item: 75
Quantity available on sale: 100
Description of the item: A box of Paper clips
============================================================


============================================================
Item number: 20
Name: Art clips
Price of the item: 100
Quantity available on sale: 100
Description of the item: A box of Art clips
============================================================


============================================================
Item number: 21
Name: Drawing Pins
Price of the item: 80
Quantity available on sale: 100
Description of the item: A box of Drawing Pins
============================================================


============================================================
Item number: 22
Name: Bell Pins
Price of the item: 85
Quantity available on sale: 100
Description of the item: A box of Bell Pins
============================================================
```

```
Enter the code:22
Enter the quantity:2
Added to Cart successfully...
Want to add more(Y/N)?Y
1 . Clips
2 . Crayons
3 . Miscellaneous
4 . Paints
5 . Paper
6 . Pencil
7 . Pens
8 . Punch
9 . Scissors
10 . sellotape
11 . stapler
Enter your choice:2
================================================================
Item number: 34
Name: Wax crayons
Price of the item: 60
Quantity available on sale: 100
Description of the item: Wax crayons for budding artists
================================================================


================================================================
Item number: 35
Name: Oil Pastels
Price of the item: 90
Quantity available on sale: 100
Description of the item: Oil pastels for great artwork
================================================================

Enter the code:35
Enter the quantity:2
Added to Cart successfully...
Want to add more(Y/N)?Y
1 . Clips
2 . Crayons
3 . Miscellaneous
4 . Paints
5 . Paper
6 . Pencil
7 . Pens
8 . Punch
9 . Scissors
10 . sellotape
11 . stapler
Enter your choice:11
================================================================
```

```
================================================================
Item number: 9
Name: Small stapler
Price of the item: 120
Quantity available on sale: 100
Description of the item: Stapler with included pins
================================================================


================================================================
Item number: 10
Name: Office stapler
Price of the item: 150
Quantity available on sale: 100
Description of the item: Stapler with included pins
================================================================


================================================================
Item number: 11
Name: Commercial stapler
Price of the item: 200
Quantity available on sale: 100
Description of the item: Stapler with included pins
================================================================


Enter the code:10
Enter the quantity:2
Added to Cart successfully...
Want to add more(Y/N)?n
================================================================================
Would you like to continue to billing (Y/N)?Y
Welcome to billing section
Your Cart:
================================================================================
Code: 22
Name: Bell Pins
Price: 85
Quantity: 2
================================================================================


================================================================================
Code: 35
Name: Oil Pastels
Price: 90
Quantity: 2
================================================================================
```

```
================================================================
Item number: 9
Name: Small stapler
Price of the item: 120
Quantity available on sale: 100
Description of the item: Stapler with included pins
================================================================


================================================================
Item number: 10
Name: Office stapler
Price of the item: 150
Quantity available on sale: 100
Description of the item: Stapler with included pins
================================================================


================================================================
Item number: 11
Name: Commercial stapler
Price of the item: 200
Quantity available on sale: 100
Description of the item: Stapler with included pins
================================================================


Enter the code:10
Enter the quantity:2
Added to Cart successfully...
Want to add more(Y/N)?n
======================================================================
Would you like to continue to billing (Y/N)?Y
Welcome to billing section
Your Cart:
======================================================================
Code: 22
Name: Bell Pins
Price: 85
Quantity: 2
======================================================================


======================================================================
Code: 35
Name: Oil Pastels
Price: 90
Quantity: 2
======================================================================
```

```
================================================================
Code: 10
Name: Office stapler
Price: 150
Quantity: 2
================================================================


Total payment: 650
Would you like to add anything to cart (Y/N)?Y
1 . Clips
2 . Crayons
3 . Miscellaneous
4 . Paints
5 . Paper
6 . Pencil
7 . Pens
8 . Punch
9 . Scissors
10 . sellotape
11 . stapler
Enter your choice:3
==========================================================
Item number: 39
Name: Chalk
Price of the item: 30
Quantity available on sale: 100
Description of the item: White chalk
==========================================================


==========================================================
Item number: 40
Name: Chalk
Price of the item: 30
Quantity available on sale: 100
Description of the item: White chalk
==========================================================


==========================================================
Item number: 41
Name: Calculator
Price of the item: 100
Quantity available on sale: 100
Description of the item: Pocket Calculator
==========================================================
```

```
================================================================
Item number: 42
Name: Calculator
Price of the item: 160
Quantity available on sale: 100
Description of the item: Regular Calculator
================================================================


================================================================
Item number: 43
Name: Geometry Box
Price of the item: 160
Quantity available on sale: 100
Description of the item: Geometry Box for all geometric applications
================================================================


================================================================
Item number: 44
Name: Highlighters
Price of the item: 60
Quantity available on sale: 100
Description of the item: Highlighters for all highlighting purposes
================================================================


================================================================
Item number: 45
Name: Ruler
Price of the item: 25
Quantity available on sale: 100
Description of the item: Ruler
================================================================


================================================================
Item number: 46
Name: Sharpener
Price of the item: 10
Quantity available on sale: 100
Description of the item: Sharpens pencils
================================================================


================================================================
Item number: 47
Name: Eraser
Price of the item: 10
Quantity available on sale: 100
Description of the item: Erases pencil marks
================================================================
```

```
===========================================================
Item number: 47
Name: Eraser
Price of the item: 10
Quantity available on sale: 100
Description of the item: Erases pencil marks
===========================================================

Enter the code:46
Enter the quantity:3
Added to Cart successfully...
Want to add more(Y/N)?n
===============================================================
Would you like to continue to billing (Y/N)?Y
Welcome to billing section
Your Cart:
===============================================================
Code: 22
Name: Bell Pins
Price: 85
Quantity: 2
===============================================================


===============================================================
Code: 35
Name: Oil Pastels
Price: 90
Quantity: 2
===============================================================


===============================================================
Code: 10
Name: Office stapler
Price: 150
Quantity: 2
===============================================================


===============================================================
Code: 46
Name: Sharpener
Price: 10
Quantity: 3
===============================================================

Total payment: 680
Would you like to add anything to cart (Y/N)?n
Would you like to delete something from cart (Y/N)?Y
Enter the code of the item to be deleted:10
```

```
Updated Cart:

================================================================
Code: 22
Name: Bell Pins
Price: 85
Quantity: 2
================================================================


================================================================
Code: 35
Name: Oil Pastels
Price: 90
Quantity: 2
================================================================


================================================================
Code: 46
Name: Sharpener
Price: 10
Quantity: 3
================================================================

Are you ready to submit order (Y/N)?Y

Enter userid:test
Your order summary:
Your Cart:
================================================================
Code: 22
Name: Bell Pins
Price: 85
Quantity: 2
================================================================


================================================================
Code: 35
Name: Oil Pastels
Price: 90
Quantity: 2
================================================================


================================================================
Code: 46
Name: Sharpener
Price: 10
Quantity: 3
================================================================

Total payment: 380
```

```
Would you like to make payment(Y/N)?Y
Your details:
================================================================================
1.User Id: test
2.Name: Test Account
3.Phone Number: 122233678
4.Email ID: test@gmail.com
5.Address: No.10,defence colony,pune,maharashtra

Would you like to update user details (Y/N)?Y
What would you like to update?2

Choose option based on numbered menu
Enter new name:Test account
User details updated successfully
Welcome to payment Page
Would you like to confirm payment (Y/N)?Y


Payment Confirmed
Items will be delivered as soon as possible

Your bill:
================================================================================
Code: 22
Name: Bell Pins
Price: 85
Quantity: 2


================================================================================

================================================================================
Code: 35
Name: Oil Pastels
Price: 90
Quantity: 2


================================================================================

================================================================================
Code: 46
Name: Sharpener
Price: 10
Quantity: 3


================================================================================


Total payment made: 380

================================================================================
```

```
Welcome to E-Stationery Portal
Are you a new user (Y/N)?n
Would you like to sign in (Y/N)?Y
Enter your username:admin
Enter password:admin
Sign in successful
Welcome to admin functions
You may perform the following functions:

Choose function according to numbered menu
1. Update Inventory-Quantity of stationery items
2. Delete item from Inventory
3. Add item in Inventory
4. Show items in Inventory
5. View Purchase Log

Enter your choice:1
Enter the code of the stationery item to update:20
Enter the new quantity:20
Record updated successfully...
================================================================
Item code: 1
Name of the item: Ink Pen
Price of the item: 30
Quantity available on sale: 100
Description of the item: Smooth writing achieved only with Fountain/ink pen
================================================================


================================================================
Item code: 2
Name of the item: Gel Pen
Price of the item: 15
Quantity available on sale: 100
Description of the item: Smooth and easy to write with
================================================================


================================================================
Item code: 3
Name of the item: Ball Pen
Price of the item: 10
Quantity available on sale: 100
Description of the item: No leaks at all!
================================================================


================================================================
Item code: 4
Name of the item: RollerBall Pen
Price of the item: 15
Quantity available on sale: 100
Description of the item: Smoother than Ball pen!
```

```
=============================================================
Item code: 6
Name of the item: brown sellotape
Price of the item: 40
Quantity available on sale: 100
Description of the item: Easy to use,opaque
=============================================================


=============================================================
Item code: 7
Name of the item: masking tape
Price of the item: 45
Quantity available on sale: 100
Description of the item: Very useful,various applications
=============================================================


=============================================================
Item code: 8
Name of the item: Ribbon Tape
Price of the item: 100
Quantity available on sale: 100
Description of the item: Sellotapes of various colours
=============================================================


=============================================================
Item code: 9
Name of the item: Small stapler
Price of the item: 120
Quantity available on sale: 100
Description of the item: Stapler with included pins
=============================================================


=============================================================
Item code: 10
Name of the item: Office stapler
Price of the item: 150
Quantity available on sale: 100
Description of the item: Stapler with included pins
=============================================================


=============================================================
Item code: 11
Name of the item: Commercial stapler
Price of the item: 200
Quantity available on sale: 100
Description of the item: Stapler with included pins
=============================================================
```

```
================================================================
Item code: 12
Name of the item: A4 Sheets
Price of the item: 500
Quantity available on sale: 100
Description of the item: 1000 Sheets
================================================================


================================================================
Item code: 13
Name of the item: A3 Sheets
Price of the item: 600
Quantity available on sale: 100
Description of the item: 250 Sheets
================================================================


================================================================
Item code: 14
Name of the item: A4 Coloured Sheets
Price of the item: 500
Quantity available on sale: 100
Description of the item: 250 Sheets of various colours
================================================================


================================================================
Item code: 15
Name of the item: Graph Paper
Price of the item: 350
Quantity available on sale: 100
Description of the item: 250 grid sheets
================================================================


================================================================
Item code: 16
Name of the item: Chart Paper
Price of the item: 100
Quantity available on sale: 100
Description of the item: 50 white chart paper
================================================================


================================================================
Item code: 17
Name of the item: Chart Paper Coloured
Price of the item: 150
Quantity available on sale: 100
Description of the item: 50 coloured chart paper
================================================================
```

```
========================================================
Item code: 18
Name of the item: Carbon paper
Price of the item: 100
Quantity available on sale: 100
Description of the item: 70 Carbon paper
========================================================


========================================================
Item code: 19
Name of the item: Paper clips
Price of the item: 75
Quantity available on sale: 100
Description of the item: A box of Paper clips
========================================================


========================================================
Item code: 20
Name of the item: Art clips
Price of the item: 100
Quantity available on sale: 120
Description of the item: A box of Art clips
========================================================


========================================================
Item code: 21
Name of the item: Drawing Pins
Price of the item: 80
Quantity available on sale: 100
Description of the item: A box of Drawing Pins
========================================================


========================================================
Item code: 22
Name of the item: Bell Pins
Price of the item: 85
Quantity available on sale: 96
Description of the item: A box of Bell Pins
========================================================


========================================================
Item code: 23
Name of the item: Punching machine
Price of the item: 130
Quantity available on sale: 100
Description of the item: Small Punching machine
========================================================
```

```
===========================================================
Item code: 24
Name of the item: Punching machine
Price of the item: 200
Quantity available on sale: 100
Description of the item: Office Punching machine
===========================================================


===========================================================
Item code: 25
Name of the item: Punching machine
Price of the item: 300
Quantity available on sale: 100
Description of the item: Commercial Punching machine
===========================================================


===========================================================
Item code: 26
Name of the item: Drawing Pencils
Price of the item: 120
Quantity available on sale: 100
Description of the item: Drawing and Shading pencils for art enthusiasts
===========================================================


===========================================================
Item code: 27
Name of the item: Regular Pencils
Price of the item: 25
Quantity available on sale: 100
Description of the item: Regular use pencils 5 no.s
===========================================================


===========================================================
Item code: 28
Name of the item: coloured Pencils
Price of the item: 70
Quantity available on sale: 100
Description of the item: 24 coloured pencils
===========================================================


===========================================================
Item code: 29
Name of the item: Poster colour paints
Price of the item: 70
Quantity available on sale: 100
Description of the item: poster colours
===========================================================
```

```
=========================================================
Item code: 30
Name of the item: acrylic paints
Price of the item: 80
Quantity available on sale: 100
Description of the item: acrylic paints that can be used on a variety of surfaces
=========================================================


=========================================================
Item code: 31
Name of the item: oil paints
Price of the item: 150
Quantity available on sale: 100
Description of the item: oil paints that are used on canvases
=========================================================


=========================================================
Item code: 32
Name of the item: watercolour
Price of the item: 120
Quantity available on sale: 100
Description of the item: watercolour satchel that gives distinct feel to your paintings
=========================================================


=========================================================
Item code: 33
Name of the item: paint brushes
Price of the item: 130
Quantity available on sale: 100
Description of the item: differnt types of paint brushes
=========================================================


=========================================================
Item code: 34
Name of the item: Wax crayons
Price of the item: 60
Quantity available on sale: 100
Description of the item: Wax crayons for budding artists
=========================================================


=========================================================
Item code: 35
Name of the item: Oil Pastels
Price of the item: 90
Quantity available on sale: 96
Description of the item: Oil pastels for great artwork
=========================================================
```

```
=====================================================
Item code: 36
Name of the item: Scissors
Price of the item: 80
Quantity available on sale: 100
Description of the item: Regular Craft scissors
=====================================================


=====================================================
Item code: 37
Name of the item: Art Scissors
Price of the item: 90
Quantity available on sale: 100
Description of the item: Craft scissors with different style
=====================================================


=====================================================
Item code: 38
Name of the item: Paper knife
Price of the item: 50
Quantity available on sale: 100
Description of the item: Paper knife for everyday use
=====================================================


=====================================================
Item code: 39
Name of the item: Chalk
Price of the item: 30
Quantity available on sale: 100
Description of the item: White chalk
=====================================================


=====================================================
Item code: 40
Name of the item: Chalk
Price of the item: 30
Quantity available on sale: 100
Description of the item: White chalk
=====================================================


=====================================================
Item code: 41
Name of the item: Calculator
Price of the item: 100
Quantity available on sale: 100
Description of the item: Pocket Calculator
=====================================================
```

```
=============================================================
Item code: 42
Name of the item: Calculator
Price of the item: 160
Quantity available on sale: 100
Description of the item: Regular Calculator
=============================================================


=============================================================
Item code: 43
Name of the item: Geometry Box
Price of the item: 160
Quantity available on sale: 100
Description of the item: Geometry Box for all geometric applications
=============================================================


=============================================================
Item code: 44
Name of the item: Highlighters
Price of the item: 60
Quantity available on sale: 100
Description of the item: Highlighters for all highlighting purposes
=============================================================


=============================================================
Item code: 45
Name of the item: Ruler
Price of the item: 25
Quantity available on sale: 100
Description of the item: Ruler
=============================================================


=============================================================
Item code: 46
Name of the item: Sharpener
Price of the item: 10
Quantity available on sale: 100
Description of the item: Sharpens pencils
=============================================================


=============================================================
Item code: 47
Name of the item: Eraser
Price of the item: 10
Quantity available on sale: 100
Description of the item: Erases pencil marks
=============================================================
```

```
Welcome to E-Stationery Portal
Are you a new user (Y/N)?n
Would you like to sign in (Y/N)?Y
Enter your username:admin
Enter password:admin
Sign in successful
Welcome to admin functions
You may perform the following functions:

Choose function according to numbered menu
1. Update Inventory-Quantity of stationery items
2. Delete item from Inventory
3. Add item in Inventory
4. Show items in Inventory
5. View Purchase Log

Enter your choice:5
('test', 22, 'Bell Pins', 85, 1, datetime.datetime(2020, 12, 15, 22, 41, 48))
('test', 22, 'Bell Pins', 85, 1, datetime.datetime(2020, 12, 15, 22, 59, 5))
('test', 47, 'Eraser', 10, 10, datetime.datetime(2020, 12, 15, 22, 59, 5))
('test', 45, 'Ruler', 25, 10, datetime.datetime(2020, 12, 15, 22, 59, 5))
('test', 22, 'Bell Pins', 85, 1, datetime.datetime(2020, 12, 15, 23, 1, 47))
('test', 47, 'Eraser', 10, 10, datetime.datetime(2020, 12, 15, 23, 1, 47))
('test', 45, 'Ruler', 25, 10, datetime.datetime(2020, 12, 15, 23, 1, 47))
('test', 22, 'Bell Pins', 85, 1, datetime.datetime(2020, 12, 15, 23, 4, 40))
('test', 47, 'Eraser', 10, 10, datetime.datetime(2020, 12, 15, 23, 4, 40))
('test', 45, 'Ruler', 25, 10, datetime.datetime(2020, 12, 15, 23, 4, 40))
('a', 21, 'Drawing Pins', 80, 2, datetime.datetime(2021, 1, 29, 11, 47, 48))
('test', 22, 'Bell Pins', 85, 2, datetime.datetime(2021, 1, 29, 19, 22, 39))
('test', 35, 'Oil Pastels', 90, 2, datetime.datetime(2021, 1, 29, 19, 22, 39))
('test', 46, 'Sharpener', 10, 3, datetime.datetime(2021, 1, 29, 19, 22, 39))
('test', 22, 'Bell Pins', 85, 2, datetime.datetime(2021, 1, 29, 19, 22, 54))
('test', 35, 'Oil Pastels', 90, 2, datetime.datetime(2021, 1, 29, 19, 22, 54))
('test', 46, 'Sharpener', 10, 3, datetime.datetime(2021, 1, 29, 19, 22, 54))
```

Conclusion:

- The project on creating an estationery portal using python and sql connectivity was successfully implemented and all the requirements put forth by the problem statement have been met.