

COMPUTER SCIENCE

BOARD

PROJECT(2023-24)

**TOPIC: CLOTHING STORE
MANAGEMENT SYSTEM**



NAME:

CLASS-SECTION: XII ; K

ROLL NO:

SYNOPSIS

Objective :

The Clothing Store Management System aims to streamline and automate various operations within a clothing retail store. The primary objective is to enhance the overall efficiency and effectiveness of the store's management, thereby providing better service to customers and optimizing business processes. We implement these features using python, My SQL and some standard markup programming languages.

The Clothing Store Management System is like a big change for how clothing stores work. It uses computers to help with important things like keeping clothes in stock, selling them, taking care of customers etc. It works for both the real store and the store on the internet. It also shows important sales information of the clothing item. The system makes shopping easier for customers and makes them happier.

Functions or Features of Proposed System:

1. **Inventory Management**: Keep track of available stock, manage product categories.
2. **Point of Sale (POS)**: Facilitate easy and quick checkouts, process payments, and generate receipts.
3. **Supplier Management**: Manage supplier information, orders, and deliveries for timely restocking.
4. **Discounts and Promotions**: Apply discounts, manage promotional campaigns, and loyalty programs.
5. **Searching for type of cloth if available**: There will be a search option to search for different clothes like tops, jeans, etc.
6. **Updating products with each booking**: Customer will be able to view which clothes are available or out of stock. This will get automatically updated with each purchase

DATABASE:

Tables:

1. Products Table
2. Customer Details Table
3. Total Bill Table

PRODUCTS TABLE:

```
mysql> SELECT * from products;
```

date	prodName	prodPrice
1/1/2023	T-Shirt	500
1/2/2023	Jeans	800
1/3/2023	Gown	1200
1/4/2023	Shorts	450
1/5/2023	Sweat-shirt	670
1/6/2021	Yoga Pants	1999
1/8/2023	Jumpsuit	900
1/7/2020	Hoodie	600

CUSTOMER DETAILS TABLE:

```
mysql> SELECT * FROM Customers;
```

CustomerID	CustName	orders
1	Meheli	5
2	Ahan	4
3	Goonja	3
4	Agniva	4
5	Sumedha	5

TOTAL BILL TABLE:

```
mysql> SELECT * FROM billing;
```

date	custName	items	total
2/2/2021	Meheli	5	6170.00
2/3/2023	Ahan	4	5670.00
1/1/2023	Goonja	3	6700.00
3/3/2019	Agniva	4	3200.00
4/6/2023	Sumedha	5	6200.00

PYTHON SOURCE CODE:

```
def prodtoTable():
    pname= prodName.get()
    price = prodPrice.get()
    dt = date.get()
    db=mysql.connector.connect(user="root",passwd="Meheli05$",host="localhost",database='Shop')
    cursor = db.cursor()

    query = "INSERT INTO products(date,prodName,prodPrice) VALUES(%s,%s,%s)"
    details = (dt,pname,price)
    try:
        cursor.execute(query,details)
        db.commit()
        messagebox.showinfo('Success','Product added successfully')
    except Exception as e:
        print("The exception is:",e)
        messagebox.showinfo("Error","Trouble adding data into Database")
        wn.destroy()

def addProd():
    global prodName, prodPrice, date, Canvas1, wn

    wn = tkinter.Tk()
    wn.title("ADD ITEMS")
    wn.configure(bg='lime green')
    wn.minsize(width=500,height=500)
    wn.geometry("700x600")
    Canvas1 = Canvas(wn)
    Canvas1.config(bg='dark green')
    Canvas1.pack(expand=True,fill=BOTH)
```



```
headingFrame1 = Frame(wn,bg='LightBlue1',bd=5)
headingFrame1.place(relx=0.25,rely=0.1,relwidth=0.5,relheight=0.13)
headingLabel = Label(headingFrame1, text="Add a Product", fg='grey19',
font=('Courier',15,'bold'))
headingLabel.place(relx=0,rely=0, relwidth=1, relheight=1)
labelFrame = Frame(wn)
labelFrame.place(relx=0.1,rely=0.4,relwidth=0.8,relheight=0.4)

lable1 = Label(labelFrame,text="Date : ", fg='black')
lable1.place(relx=0.05,rely=0.3, relheight=0.08)

date = Entry(labelFrame)
date.place(relx=0.3,rely=0.3, relwidth=0.62, relheight=0.08)
lable2 = Label(labelFrame,text="Product Name : ", fg='black')
lable2.place(relx=0.05,rely=0.45, relheight=0.08)

prodName = Entry(labelFrame)
prodName.place(relx=0.3,rely=0.45, relwidth=0.62, relheight=0.08)

lable3 = Label(labelFrame,text="Product Price : ", fg='black')
lable3.place(relx=0.05,rely=0.6, relheight=0.08)
    prodPrice = Entry(labelFrame)
    prodPrice.place(relx=0.3,rely=0.6, relwidth=0.62, relheight=0.08)    Btn =
Button(wn,text="ADD",bg='#d1ccc0', fg='coral',command=prodtoTable)
    Btn.place(relx=0.28,rely=0.85, relwidth=0.18,relheight=0.08)

Quit= Button(wn,text="Quit",bg='#f7f1e3', fg='coral',command=wn.destroy)
Quit.place(relx=0.53,rely=0.85, relwidth=0.18,relheight=0.08)

wn.mainloop()
```

```
def removeProd():

    name = prodName.get()
    name = name.lower()

    db=mysql.connector.connect(user="root",passwd="Meheli05$",host="localhost",database='Shop')
    cursor = db.cursor()
    query = "DELETE from products where LOWER(prodName) = '"+name+"'"
    try:
        cursor.execute(query)
        db.commit()
        #cur.execute(deleteIssue)
        #con.commit()

        messagebox.showinfo('Success','Product Record Deleted Successfully')

    except Exception as e:
        print("The exception is:",e)
        messagebox.showinfo("Please check Product Name")

    wn.destroy()

def delProd():

    global prodName, Canvas1, wn

    wn = tkinter.Tk()
    wn.title("REMOVE ITEMS")
    wn.configure(bg='sienna')
    wn.minsize(width=500,height=500)
    wn.geometry("700x600")
```

```
Canvas1 = Canvas(wn)
Canvas1.config(bg="misty rose")
Canvas1.pack(expand=True,fill=BOTH)

headingFrame1 = Frame(wn,bg="misty rose",bd=5)
headingFrame1.place(relx=0.25,rely=0.1,relwidth=0.5,relheight=0.13)
headingLabel = Label(headingFrame1, text="Delete Product", fg='grey19',
font=('Courier',15,'bold'))
headingLabel.place(relx=0,rely=0, relwidth=1, relheight=1)

labelFrame = Frame(wn)
labelFrame.place(relx=0.1,rely=0.3,relwidth=0.8,relheight=0.5)

lable = Label(labelFrame,text="Product Name : ", fg='black')
lable.place(relx=0.05,rely=0.5)

prodName = Entry(labelFrame)
prodName.place(relx=0.3,rely=0.5, relwidth=0.62)

Btn = Button(wn,text="DELETE",bg='#d1ccc0', fg='coral',command=removeProd)
Btn.place(relx=0.28,rely=0.9, relwidth=0.18,relheight=0.08)

Quit = Button(wn,text="Quit",bg='#f7f1e3', fg='coral', command=wn.destroy)
Quit.place(relx=0.53,rely=0.9, relwidth=0.18,relheight=0.08)

wn.mainloop()

def viewProds():
    global wn
```



```
wn = tkinter.Tk()
wn.title("INVENTORY")
wn.configure(bg='mint cream')
wn.minsize(width=500,height=500)
wn.geometry("700x600")

Canvas1 = Canvas(wn)
Canvas1.config(bg="light gray")
Canvas1.pack(expand=True,fill=BOTH)

headingFrame1 = Frame(wn,bg='old lace',bd=5)
headingFrame1.place(relx=0.25,rely=0.1,relwidth=0.5,relheight=0.13)

headingLabel = Label(headingFrame1, text="View Products", fg='black', font =
('Courier',15,'bold'))
headingLabel.place(relx=0,rely=0, relwidth=1, relheight=1)

labelFrame = Frame(wn)
labelFrame.place(relx=0.1,rely=0.3,relwidth=0.8,relheight=0.5)
y = 0.25

db=mysql.connector.connect(user="root",passwd="Meheli05$",host="localhost",database='S
hop')

cursor=db.cursor()

query = 'SELECT * FROM products'

Label(labelFrame, text="%-50s%-50s%-50s"%('Date','Product','Price'),font =
('calibri',11,'bold'),
fg='black').place(relx=0.07,rely=0.1)
```

```
Label(labelFrame, text =  
"-----",fg='black').place  
(relx=0.05,relx=0.2)
```

```
try:
```

```
    cursor.execute(query)
```

```
    res = cursor.fetchall()
```

```
    for i in res:
```

```
        Label(labelFrame,text="%-50s%-50s%-50s"%(i[0],i[1],i[2])  
,fg='red').place(relx=0.07,relx=y)
```

```
        y += 0.1
```

```
except Exception as e:
```

```
    print("The exception is:",e)
```

```
    messagebox.showinfo("Failed to fetch files from database")
```

```
Quit= Button(wn,text="Quit",bg='#f7f1e3', fg='black', command=wn.destroy)
```

```
Quit.place(relx=0.4,relx=0.9, relwidth=0.18,relheight=0.08)
```

```
wn.mainloop()
```

```
def bill():
```

```
    wn = tkinter.Tk()
```

```
    wn.title("FINAL BILL")
```

```
    wn.configure(bg='lavender blush2')
```

```
    wn.minsize(width=500,height=500)
```

```
    wn.geometry("700x600")
```

```
    headingFrame1 = Frame(wn,bg="lavender blush2",bd=5)
```

```
    headingFrame1.place(relx=0.2,relx=0.1,relwidth=0.6,relheight=0.16)
```

```
    headingLabel = Label(headingFrame1, text="Bill", fg='grey19', font=('Courier',15,'bold'))
```

```
    headingLabel.place(relx=0,relx=0, relwidth=1, relheight=1)
```

```
labelFrame = Frame(wn)
labelFrame.place(relx=0.1, rely=0.3, relwidth=0.8, relheight=0.5)

y = 0.35
Label(labelFrame,
text="%-40s%-40s%-40s%-40s" % ('Product', 'Price', 'Quantity', 'Total'), font = ('calibri', 11, 'bold'),
fg='black').place(relx=0.07, rely=0.2)

dt=date.get()
cName=custName.get()
totalBill=0

db=mysql.connector.connect(user="root", passwd="Meheli05$", host="localhost", database='S
hop')
cursor=db.cursor()

query = 'SELECT * FROM products'
cursor.execute(query)
res = cursor.fetchall()

if len(res) > 0 and len(name1.get()) != 0:
    i = res[0]
    qty = int(name1.get())
    total = qty * int(i[2])
    Label(labelFrame, text="%-40s%-40s%-40s%-40s" % (i[1], i[2], qty, total),
fg='black').place(relx=0.07, rely=y)
    totalBill += total
    y += 0.1

    query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"
    details = (cName, dt, i[1], qty, total)
```

```

if len(res) > 1 and len(name2.get()) != 0:
    i = res[1]
    qty = int(name2.get())
    total = qty * int(i[2])
    Label(labelFrame, text="%-40s%-40s%-40s%-40s" % (i[1], i[2], qty, total),
fg='black').place(relx=0.07, rely=y)
    totalBill += total
    y += 0.01
    query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"
    details = (cName, dt, i[1], qty, total)
if len(res) > 2 and len(name3.get())!=0:

    i=res[2]
    qty=int(name3.get())
    total=qty*int(i[2])
    Label(labelFrame,text="%-40s%-40s%-40s%-40s"%(i[1],i[2],qty,total)
,fg='black').place(relx=0.07,rely=y)
    totalBill+=total
    y+=0.1
    query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"
    details = (cName,dt,i[1],qty,total)
if len(res) > 3 and len(name4.get())!=0:

    i=res[3]
    qty=int(name4.get())
    total=qty*int(i[2])
    Label(labelFrame,text="%-40s%-40s%-40s%-40s"%(i[1],i[2],qty,total)
,fg='black').place(relx=0.07,rely=y)
    totalBill+=total
    y+=0.1
    query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"
    details = (cName,dt,i[1],qty,total)

```



```
if len(res) > 4 and len(name5.get())!=0:
    i=res[4]
    qty=int(name5.get())
    total=qty*int(i[2])
    Label(labelFrame,text="%-40s%-40s%-40s%-40s"%(i[1],i[2],qty,total)
,fg='black').place(relx=0.07,rely=y)
    totalBill+=total
    y+=0.1
    query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"
    details = (cName,dt,i[1],qty,total)

if len(res) > 5 and len(name6.get())!=0:

    i=res[5]
    qty=int(name6.get())
    total=qty*int(i[2])
    Label(labelFrame,text="%-40s%-40s%-40s%-40s"%(i[1],i[2],qty,total)
,fg='black').place(relx=0.07,rely=y)
    totalBill+=total
    y+=0.1
    query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"
    details = (cName,dt,i[1],qty,total)

if len(res) > 6 and len(name7.get())!=0:
    i=res[6]
    qty=int(name7.get())
    total=qty*int(i[2])
    Label(labelFrame,text="%-40s%-40s%-40s%-40s"%(i[1],i[2],qty,total)
,fg='black').place(relx=0.07,rely=y)
    totalBill+=total
    y+=0.1
```

```

        query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"

        details = (cName,dt,i[1],qty,total)

    if len(res) > 7 and len(name8.get())!=0:

        i=res[7]
        qty=int(name8.get())
        total=qty*int(i[2])

        Label(labelFrame,text="%-40s%-40s%-40s%-40s"%(i[1],i[2],qty,total)
,fg='black').place(relx=0.07,relx=y)

        totalBill+=total

        y+=0.1

        query = "INSERT INTO sale(custName,date,prodName,qty,price)
VALUES(%s,%s,%s,%s,%s)"

        details = (cName,dt,i[1],qty,total)

        Label(labelFrame, text =
"-----",fg='black').place
(relx=0.05,relx=y)

        y+=0.1

        Label(labelFrame,text="\t\t\t\t\t\t\t\t\t\t"+str(totalBill) ,fg='black').place(relx=0.07,relx=y)

    Quit = Button(wn,text="Quit",bg='#f7f1e3', fg='black', command=wn.destroy)
    Quit.place(relx=0.53,relx=0.9, relwidth=0.18,relheight=0.08)

    wn.mainloop()

def newCust():

    global wn,name1,name2,name3,name4,name5,name6,name7,name8,date,custName

    wn = tkinter.Tk()

    wn.title("THANK YOU FOR CHOOSING US")

    wn.configure(bg='lavender blush2')

    wn.minsize(width=500,height=500)

    wn.geometry("700x600")

```



```
headingFrame1 = Frame(wn,bg="lavender blush2",bd=5)
headingFrame1.place(relx=0.2,relx=0.1,relwidth=0.6,relheight=0.16)

headingLabel = Label(headingFrame1, text="New Customer", fg='grey19',
font=('Courier',15,'bold'))
headingLabel.place(relx=0,relx=0, relwidth=1, relheight=1)
lable1 = Label(wn,text="Date : ", fg='black')
lable1.place(relx=0.05,relx=0.3, )
date = Entry(wn)

date.place(relx=0.3,relx=0.3, relwidth=0.62)

lable2 = Label(wn,text="Customer Name : ", fg='black')

lable2.place(relx=0.05,relx=0.4, )
custName = Entry(wn)
custName.place(relx=0.3,relx=0.4, relwidth=0.62)

labelFrame = Frame(wn)
labelFrame.place(relx=0.1,relx=0.45,relwidth=0.8,relheight=0.4)

y = 0.3
Label(labelFrame, text="Please enter the quantity of the products you want to buy",font =
('calibri',11,'bold'),
fg='black').place(relx=0.07,relx=0.1)

Label(labelFrame, text="%-50s%-50s%-30s%"('Product','Price','Quantity'),font =
('calibri',11,'bold'),
fg='black').place(relx=0.07,relx=0.2)

db=mysql.connector.connect(user="root",passwd="Meheli05$",host="localhost",database='S
hop')
cursor=db.cursor()
```

```
query = 'SELECT * FROM products'
```

```
cursor.execute(query)
```

```
res = cursor.fetchall()
```

```
print(res)
```

```
c=1
```

```
i=res[0]
```

```
Label(labelFrame,text="%-50s%-50s"%(i[1],i[2]) ,fg='black').place(relx=0.07,rely=y)
```

```
name1 = Entry(labelFrame)
```

```
name1.place(relx=0.6,rely=y, relwidth=0.2)
```

```
y += 0.1
```

```
i=res[1]
```

```
Label(labelFrame,text="%-50s%-50s"%(i[1],i[2]) ,fg='black').place(relx=0.07,rely=y)
```

```
name2 = Entry(labelFrame)
```

```
name2.place(relx=0.6,rely=y, relwidth=0.2)
```

```
y += 0.1
```

```
i=res[2]
```

```
Label(labelFrame,text="%-50s%-50s"%(i[1],i[2]) ,fg='black').place(relx=0.07,rely=y)
```

```
name3 = Entry(labelFrame)
```

```
name3.place(relx=0.6,rely=y, relwidth=0.2)
```

```
y += 0.1
```

```
i=res[3]
```

```
Label(labelFrame,text="%-50s%-50s"%(i[1],i[2]) ,fg='black').place(relx=0.07,rely=y)
```

```
name4 = Entry(labelFrame)
```

```
name4.place(relx=0.6,rely=y, relwidth=0.2)
```

```
y += 0.1
```

```
i=res[4]
```

```
Label(labelFrame,text="%-50s%-50s"%(i[1],i[2]),fg='black').place(relx=0.07,rely=y)
```

```
name5 = Entry(labelFrame)
```

```
name5.place(relx=0.6,rely=y, relwidth=0.2)
```

```
y += 0.1
```

```
Btn= Button(wn,text="Generate Bill",bg='#d1ccc0', fg='black',command=bill)
```

```
Btn.place(relx=0.28,rely=0.9, relwidth=0.18,relheight=0.08)
```

```
Quit = Button(wn,text="Quit",bg='#f7f1e3', fg='black', command=wn.destroy)
```

```
Quit.place(relx=0.55,rely=0.9, relwidth=0.18,relheight=0.08)
```

```
wn.mainloop()
```

```
import tkinter
```

```
from tkinter import *
```

```
from tkinter import ttk
```

```
from tkinter import font
```

```
from tkinter import messagebox
```

```
import mysql.connector
```

```
db=mysql.connector.connect(user="root",passwd="Meheli05$",host="localhost")
```

```
my_cursor=db.cursor()
```

```
my_cursor.execute("CREATE DATABASE IF NOT EXISTS Shop")
```

```
db=mysql.connector.connect(user="root",passwd="Meheli05$",host="localhost",database='Shop')
```

```
my_cursor=db.cursor()
```

```
query="CREATE TABLE IF NOT EXISTS products (date VARCHAR(10),prodName  
VARCHAR(20), prodPrice VARCHAR(50))"
```

```
my_cursor.execute(query)

db=mysql.connector.connect(user="root",passwd="Meheli05$","host="localhost",database='S
hop')

my_cursor=db.cursor()


query="CREATE TABLE IF NOT EXISTS sale (custName VARCHAR(20), date
VARCHAR(10), prodName VARCHAR(30),qty INTEGER, price INTEGER )"

my_cursor.execute(query)


wn = tkinter.Tk()
wn.title("Clothing Shop Management System")
wn.configure(bg='honeydew2')
wn.minsize(width=500,height=500)
wn.geometry("700x600")
headingFrame1 = Frame(wn,bg="snow3",bd=5)
headingFrame1.place(relx=0.2,rely=0.1,relwidth=0.6,relheight=0.16)
headingLabel = Label(headingFrame1, text="Clothing Shop Management System",
fg='grey19', font=('Courier',15,'bold'))
headingLabel.place(relx=0,rely=0, relwidth=1, relheight=1)


btn1 = Button(wn,text="Add a Product",bg='LightBlue1', fg='black', width=20,height=2,
command=addProd)
btn1['font'] = font.Font( size=12)
btn1.place(x=270,y=175)


btn2 = Button(wn,text="Delete a Product",bg='misty rose',
fg='black',width=20,height=2,command=delProd)
btn2['font'] = font.Font( size=12)


btn2.place(x=270,y=255)

btn3 = Button(wn,text="View Products",bg='old lace',
fg='black',width=20,height=2,command=viewProds)
btn3['font'] = font.Font( size=12)
btn3.place(x=270,y=335)
```

```
btn4 = Button(wn,text="New Customer",bg='lavender blush2', fg='black',  
width=20,height=2,command = newCust)
```

```
btn4['font'] = font.Font( size=12)
```

```
btn4.place(x=270,y=415)
```

```
wn.mainloop()
```

