##########################         $pot-E-Care      ############################

from tkinter import \*

import openpyxl

from openpyxl.styles import Alignment, Font

label=0

user\_details=openpyxl.load\_workbook("User\_details.xlsx")

billBook=openpyxl.load\_workbook('BillBook.xlsx')

usersheet=user\_details.active

userCart={}

item\_price={'Zoho':1610,"Tally":7204,"Adobe Photoshop CC for team":7000,

                "Dr.Fone-Data Recovery":3000,"Vyapar Billing Software":724,

                "Microsoft Teams":1500,"Grammerly":1000,"Adobe Acrobat Pro DC for Teams":2000,

                "Microsoft Office 365":2000,"Wise Data Recovery":6000,"CCleaner":1600,

                "Krisp":7680,"F.lux":800,"Revo Uninstaller Pro":3120,"iA Writer":2320,

                "Breevy":2720,"Fences":880,"Microsoft Office":3000,"Quick Heal":824,"Adobe Lightroom CC":6500,

                "Stellar Data Recovery":5000}

global bs

bs=[]

bs.append(billBook.sheetnames[0])

bs[0]=billBook.active

global username

username=''

global totalPrice

def first() :

    print("----------------  Welcome to $pot-E-Care !! -----------------")

    print("Enter \n1.Start Shopping\n2. User Credentials\n3.Exit")

    choice=int(input())

    if choice==1 :

        Login()

    elif choice==2 :

        till=False

        while till!=True :

            list1=checkPerson()

            flag=list1[0]

            person=list1[1]

            if flag==1 :

                print(f"USERNAME:      {usersheet['a'+str(person)].value}")

                print(f"PHONE NUMBER:  {usersheet['c'+str(person)].value}")

                print(f"EMAIL-ID:      {usersheet['d'+str(person)].value}")

                print(f"GENDER:        {usersheet['e'+str(person)].value}")

                print(f"Age:           {usersheet['f'+str(person)].value}")

                till=True

            else :

                print("Invalid Username orPassword.")

                print("Enter\n1. Exit\n2. Try Again")

                ch=int(input())

                if ch==1 :

                    end()

    else :

        end()

def checkPerson() :

    x=len(usersheet['a'])

    flag=0

    row=0

    global username

    username=input("Enter Username: ")

    password=input("Enter Password: ")

    for person in range(2,x+1) :

        if username==usersheet['a'+str(person)].value :

            if password==usersheet['b'+str(person)].value :

                flag=1

                row=person

    return [flag,row]

def Login() :

    list1=checkPerson()

    flag=list1[0]

    if flag==1 :

        print("Login Successfull")

        cart()

    else :

        print("꒰⍨꒱")

        user()

        print("1 Login \n2. Sign UP \n3Exit")

        choice=int(input())

        if choice==1:

            Login()

        elif choice==2:

            signUp()

        else :

            end()

def signUp() :

    x=len(usersheet['a'])

    global username

    username=input('Enter Username: ')

    usersheet['a'+str(x+1)]=username

    password=input('Enter Password: ')

    usersheet['b'+str(x+1)]=password

    phone=int(input('Enter Phone number: '))

    usersheet['c'+str(x+1)]=phone

    email\_id=input('Enter Email id: ')

    usersheet['d'+str(x+1)]=email\_id

    gender=input('Enter Gender: ')

    usersheet['e'+str(x+1)]=gender

    age=input('Enter Age: ')

    usersheet['f'+str(x+1)]=age

    user\_details.save("User\_details.xlsx")

    print("Enter \n1. Login\n2.Exit")

    choice=int(input())

    if choice==1:

        Login()

    else :

        end()

def user():

    root = Tk()

    myLabel=Label(root,text="Namaste User!☻")

    myLabel.pack()

    myLabel=Label(root,text="Sorry, we couldn't find you")

    myLabel.pack()

    myLabel=Label(root,text="Please Try again")

    myLabel.pack()

    root.geometry("300x300")

    root.attributes("-topmost", True)

    def Close():

       root.destroy()

    # Button for closing

    try\_button = Button(root, text="Try Again", command=Close)

    try\_button.pack(pady=20)

    root.mainloop()

def cart() :

    till=False

    while till!=True :

        print("Enter\n1. Add Package(s)\n2. View Cart")

        choice=int(input())

        if choice==1 :

            itemsDetails()

            pack=int(input("Enter the Package code: "))

            while till!=True :

                duration=int(input("Enter validity(max 3years): "))

                if(duration>3):

                    print("Validity is maximum for 3 years")

                else :

                    till=True

            till=False

            userCart.update({list(item\_price.keys())[pack-1]:[list(item\_price.values())[pack-1],duration,list(item\_price.values())[pack-1]\*duration]})

        else :

            print(f"You have {len(userCart)} packages in cart.")

            print("CODE\tPACKAGE\t\t\t\tPRICE\tDURATION")

            for elem in range(len(userCart)) :

                len\_packageName=len(list(item\_price.keys())[elem])

                if len\_packageName<=6 :

                    print(f" {elem+1} \t{list(userCart.keys())[elem]}\t\t\t\t{list(userCart.values())[elem][0]}\t{list(userCart.values())[elem][1]}")

                elif len\_packageName<=15 :

                    print(f" {elem+1} \t{list(userCart.keys())[elem]}\t\t\t{list(userCart.values())[elem][0]}\t{list(userCart.values())[elem][1]}")

                elif len\_packageName<=25 :

                    print(f" {elem+1} \t{list(userCart.keys())[elem]}\t\t{list(userCart.values())[elem][0]}\t{list(userCart.values())[elem][1]}")

                else :

                    print(f" {elem+1} \t{list(userCart.keys())[elem]}\t{list(userCart.values())[elem][0]}\t{list(userCart.values())[elem][1]}")

            flag=0

            print("Enter\n1. Bill\n2. Discard Package\n3. Continue")

            ch=int(input())

            if ch==1 :

                flag=1

                till=True

            elif ch==2 :

                delete()

    if flag==1 :

        bill()

def itemsDetails() :

    print("Code\tPACKAGES\t\t\t\tPRICE(per year)\n")

    for package in range(len(item\_price)) :

        len\_packageName=len(list(item\_price.keys())[package])

        if len\_packageName<=6 :

            print(f"{package+1}\t{list(item\_price.keys())[package]}\t\t\t\t\tRs.{list(item\_price.values())[package]}")

        elif len\_packageName<=15 :

            print(f"{package+1}\t{list(item\_price.keys())[package]}\t\t\t\tRs.{list(item\_price.values())[package]}")

        elif len\_packageName<=25 :

            print(f"{package+1}\t{list(item\_price.keys())[package]}\t\t\tRs.{list(item\_price.values())[package]}")

        else :

            print(f"{package+1}\t{list(item\_price.keys())[package]}\t\tRs.{list(item\_price.values())[package]}")

def delete():

    code=int(input("Enter the Package Code to be discarded: "))

    trash=userCart.pop(list(userCart.keys())[code-1])

    print("Dicarded successfully.")

def bill() :

    global totalPrice

    sheets=len(billBook.sheetnames)

    if sheets==1 :

        if bs[0].title!="BILL1" :#not filled

            bs[0].title='BILL1'

            designBill(0)

        else :#filled

            bs.append(billBook.create\_sheet("BILL2"))

            designBill(sheets)

    else :

        bs.append(billBook.create\_sheet("BILL"+str(sheets+1)))

        designBill(sheets)

    print(f'YOUR BILL: RS.{totalPrice}')

    end()

def designBill(sh\_num):

    global totalPrice

    totalPrice=0

    page=bs[sh\_num-len(billBook.sheetnames)]

    page.merge\_cells('a1:e2')

    page['a1'].font=Font(size=16,bold=True,underline='double')

    page['a1'].alignment=Alignment(horizontal='center', vertical='center')

    page['a1']="BILL NO. "+str(sh\_num+1)

    page['a3'].font=Font(bold=True,underline='single')

    page['a3'].alignment=Alignment(horizontal='center', vertical='center')

    page['a3']="NAME: "

    page['b3']=username

    page['c3'].font=Font(bold=True,underline='single')

    page['c3'].alignment=Alignment(horizontal='center', vertical='center')

    page['c3']='EMAIL-ID:'

    x=len(usersheet['a'])

    for person in range(2,x+1) :

        if username==usersheet['a'+str(person)].value :

            page['d3']=usersheet['d'+str(person)].value

    for row in 'abcde' :

        page[str(row)+'4'].font=Font(bold=True,underline='single')

        page[str(row)+'4'].alignment=Alignment(horizontal='center', vertical='center')

    page['a4']="SL. NO."

    page['b4']="PACKAGE"

    page.column\_dimensions['b'].width=40

    page['c4']="DURATION(in yrs)"

    page.column\_dimensions['c'].width=20

    page['d4']="PACKAGE PRICE(Rs. per year)"

    page.column\_dimensions['d'].width=30

    page['e4']="PACKAGE COST(Rs.)"

    page.column\_dimensions['e'].width=20

    for row in range(len(userCart)) :

        page['a'+str(row+5)]=row+1

        page['b'+str(row+5)]=list(userCart.keys())[row]

        page['c'+str(row+5)]=list(userCart.values())[row][1]

        page['D'+str(row+5)]=list(userCart.values())[row][0]

        page['E'+str(row+5)]=list(userCart.values())[row][2]

        totalPrice+=list(userCart.values())[row][2]

    page['d'+str(len(userCart)+5)].font=Font(bold=True,underline='single')

    page['d'+str(len(userCart)+5)].alignment=Alignment(horizontal='center', vertical='center')

    page['d'+str(len(userCart)+5)]='TOTAL PRICE(Rs.): '

    page['e'+str(len(userCart)+5)]=totalPrice

    billBook.save('BillBook.xlsx')

def end() :

    print("------------------ Thank you ------------------------")

    print("---------------- Shop Again !! ----------------------")

    exit

first()