PROJECT REPORT

On

**“Online Shopping System”**

***Submitted By***

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**S.B.JAININSTITUTEOFTECHNOLOGYMANAGEMENTAND RESEARCH,NAGPUR**

**DEPARTMENTOFCOMPUTERSCIENCE&ENGINEERING**

SESSION2021-2022

#### CERTIFICATE

This is to certify that the Project titled **“Online Shoppinf System”**is a bonafide work of **Nidhi Patekar** carried out for the partial fulfillment of the requirement for the award of Degree of Bachelor of Engineering in **Computer Science & Engineering.**

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| --- | --- | --- |
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**CHAPTER 1**

**INTRODUCTION**

This **Online Shopping System Project in Python** is ideal for students who want to learn how to build a management system in Python or for online shop owners who want to handle and run all online shopping-related functions on a computer using the Python programming language. This is why people must use this management system in order to improve their workflow and performance.

A **Online Shopping System Project in Python** has a user side and admin side. The user can see the menu items, place order, cancel order and can logout. The admin side can show the list of item, add and remove item, show total goods available, view income and loss, and can logout in the system.

**CHAPTER 2**

**METHODOLOGY**

## **Admin Features of Online Shopping System Project in Python :**

* **Login and Logout** – the admin need to login to access the whole system and also the admin can logout in the system.
* **Product** Management – For the product, the admin can add and remove the product.
* **Manage Income** – For the income, the admin can view the monthly income.
* **Available Products** **Management**– For the available products, the admin can view the list of all available products.

## **User Features of Online Shopping System Project in Python :**

* **Login and Logout** – the user need to login to access the whole system and also the user can logout in the system.
* **View Products** – the user can view the available products and she or he can order the products.
* **Place Order** – the user can place the order and also the user can cancel the order.

**STEPS :**

**Step 1: Create a Project Name.**

First, open the **PyCharm IDE or VS CODE or PYTHON IDLE** and click “**File**” and select “**New** **Project**” and then create a **project name** after that click the “**create**” button.

**Step 2: Create a Python File.**

In step 2 we are creating a project name, “**right**” click the project name and the click “**New**” after that choose “**Python File**“.

**Step 3: Name the Python File.**

Last, choose **Python File** name the file “**main**” and then click “**Enter**“.

**Step 4: The actual code**

Finally, you can start coding, you are free to copy the code that being provided below.

**CHAPTER 3**

**TOOLS/PLATFORMS**

**SOFTWARE REQUIREMENT:**

**IDE / FRAMEWORK:** pyCharm Community Edition 20221.2

**LIBRARIES:**  def, if else

**OPERATING SYSTEM:** Windows 10

**Language:** *Python*, Version: - 3.10.4

**CHAPTER 4**

**DESIGN & IMPLEMENTATION**

**4.1 ALGORITHM**

1. Welcome to Admin/user screen.
2. Press Username and Password to open the shopping account.
3. As the app starts 6 choice display on the user screen and you have to enter one choice .
4. As soon as the stock is displayed on the user screen you can make the next choice to add or to remove the stock available.
5. Then we can check the total goods available in out shopping app. Also we can check total Income and Loss.
6. If you logout the app the shopping app will close.

**4.2 FLOWCHART**

**4.3 SOURCE CODE**

dress=[{"id":1001,"Name":"Tops","Available":1000,"Price":250,"Original\_Price":200},

{"id":1002,"Name":"Pants","Available":500,"Price":500,"Original\_Price":450},

{"id":1003,"Name":"Sarees","Available":1500,"Price":950,"Original\_Price":700},

{"id":1004,"Name":"Shorts","Available":1000,"Price":350,"Original\_Price":300},

{"id":1005,"Name":"Kurtas","Available":2000,"Price":400,"Original\_Price":300},

{"id":1005,"Name":"Skirts","Available":1000,"Price":300,"Original\_Price":200},

{"id":1005,"Name":"Frock","Available":1000,"Price":800,"Original\_Price":600},

{"id":1005,"Name":"Goan","Available":1000,"Price":500,"Original\_Price":400},

{"id":1005,"Name":"Shirt","Available":1000,"Price":700,"Original\_Price":650},

{"id":1005,"Name":"Geans","Available":1000,"Price":450,"Original\_Price":300},

{"id":1005,"Name":"TShirt","Available":1000,"Price":250,"Original\_Price":200},

{"id":1005,"Name":"Jumpsuit","Available":1500,"Price":1000,"Original\_Price":800},

{"id":1005,"Name":"Kurta","Available":1000,"Price":800,"Original\_Price":650},

{"id":1005,"Name":"Lacha ","Available":1000,"Price":700,"Original\_Price":500}]

dress1=dress

temp=[]

order=""

def adminLogin():

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print("1.Display Menu")

print("2.Add item")

print("3.Remove item")

print("4.Total goods available")

print("5.Income and Loss")

print("6.Logout")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

def adminDisplayMenu():

print("Id\tName\tAvailable\tPrice\tOriginal Price")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

for d in dress:

print(f'{d["id"]}\t{d["Name"]}\t{d["Available"]}\t\t{d["Price"]}\t{d["Original\_Price"]}')

def addItem():

n=int(input("Enter the no.of.items need to be added : "))

for i in range(n):

new\_id=int(input("Enter id : "))

new\_Name=input("Enter Name : ")

new\_Available=int(input("Enter Available : "))

new\_Price=int(input("Enter Price : "))

new\_original=int(input("Enter the original price : "))

d=[{"id":new\_id,"Name":new\_Name,"Available":new\_Available,"Price":new\_Price,"Original\_Price":new\_original}]

dress.extend(d)

adminDisplayMenu()

def removeItem():

dressId=int(input("Enter the id need to be deleted : "))

found=False

for d in dress1:

found=d["id"]==dressId

if found !=True:

temp.append(d)

continue

if found==True:

d["Available"]-=1

print("Deleting item....")

if len(temp)==d:

print(f"{dressId} not found")

else:

print(f"{dressId}'s one available is removed from the list")

adminDisplayMenu()

def goods():

Total=0

print("\n")

for d in dress:

print(f'{d["Name"]} = {d["Available"]}')

Total+=(d["Available"])

print("\nTotal available goods is : ",Total)

def incomeLoss():

total=0

for d in dress:

total+=((d["Available"]\*d["Price"])-(d["Available"]\*d["Original\_Price"]))

print("\nTotal income or loss is : ",total)

def logout():

login()

def adminChoice():

choice=int(input("Please enter user choice : "))

if choice==1:

adminDisplayMenu()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminChoice()

elif choice==2:

adminDisplayMenu()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

addItem()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminChoice()

elif choice==3:

adminDisplayMenu()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

removeItem()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminChoice()

elif choice==4:

goods()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminChoice()

elif choice==5:

incomeLoss()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminChoice()

elif choice==6:

logout()

else:

print("\nInvalid Choice. Please enter valid choice")

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

adminChoice()

def userLogin():

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

print("1.Display Menu")

print("2.Place order")

print("3.Cancel order")

print("4.Logout")

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

def userDisplayMenu():

print("Id\tName\tAvailable\tPrice")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

for d in dress:

print(f'{d["id"]}\t{d["Name"]}\t{d["Available"]}\t\t{d["Price"]}')

def user\_id():

userDisplayMenu()

p\_id=int(input("\nEnter the id : "))

def placeOrder():

order\_number=10

userDisplayMenu()

p\_id=int(input("\nEnter the id : "))

for d in dress:

if d["id"]==p\_id:

print("\nId\tName\tAvailable\tPrice")

print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*")

print(f'{d["id"]}\t{d["Name"]}\t{d["Available"]}\t\t{d["Price"]}')

order='{d["id"]}\t{d["Name"]}\t{d["Available"]}\t\t{d["Price"]}'

conform=input("\nDo you want to place an order on the above shown product : Y/N ")

if conform=='Y' or conform=='y':

print("\nSuccessfully placed the order on the product {} {}".format(d["id"],d["Name"]))

order\_number+=1

print("Your order number is : ",order\_number)

d["Available"]-=1

break

elif conform=='N' or conform=='n' :

print("The order is not placed. You can carry on with you purchase. Happy shopping!!!!")

break

else:

print("\nYou have entered wrong option. Please enter again\n")

conform=input("\nDo you want to place an order on the above shown product : Y/N ")

break

if d["id"]!=p\_id:

print("\nYou have entered invalid id. Please enter valid id\n")

user\_id()

print("\nAvailable products : \n")

userDisplayMenu()

def cancelOrder():

found=False

temp=[]

order\_id=input("Enter the order id : ")

for d in dress:

found=d["id"]==order\_id

if found!=True:

temp.append(d)

if len(temp)==d:

print(f'{order\_id} is not found')

else:

print(f'{order\_id} is removed from the placed order')

def userChoice():

choice=int(input("Please enter user choice : "))

if choice==1:

userDisplayMenu()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

userLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

userChoice()

elif choice==2:

placeOrder()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

userLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

userChoice()

elif choice==3:

cancelOrder()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

userLogin()

print("\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n")

userChoice()

elif choice==4:

logout()

else:

print("Invalid Choice. Please enter valid choice")

def login():

tp=input("Admin/User [A/U] : ")

if tp=='n' or tp=='N' :

password=input("Enter the password : ")

if password=="Nidhi":

adminLogin()

adminChoice()

else:

print("Invalid password. Please enter valid password")

elif tp=='S' or tp=='s':

password=input("Enter the password : ")

if(password=="nidhi"):

userLogin()

userChoice()

else:

print("Invalid password. Please enter valid password")

else:

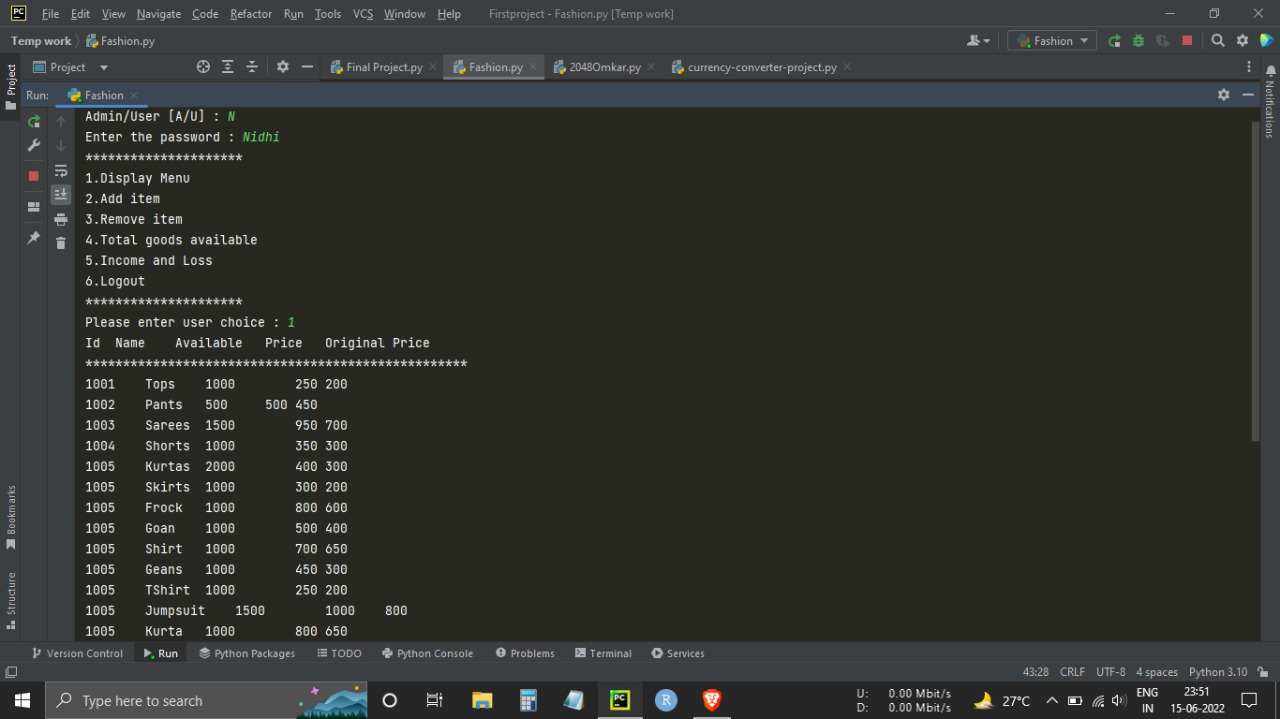
print("Invalid user type. Enter valid user type")

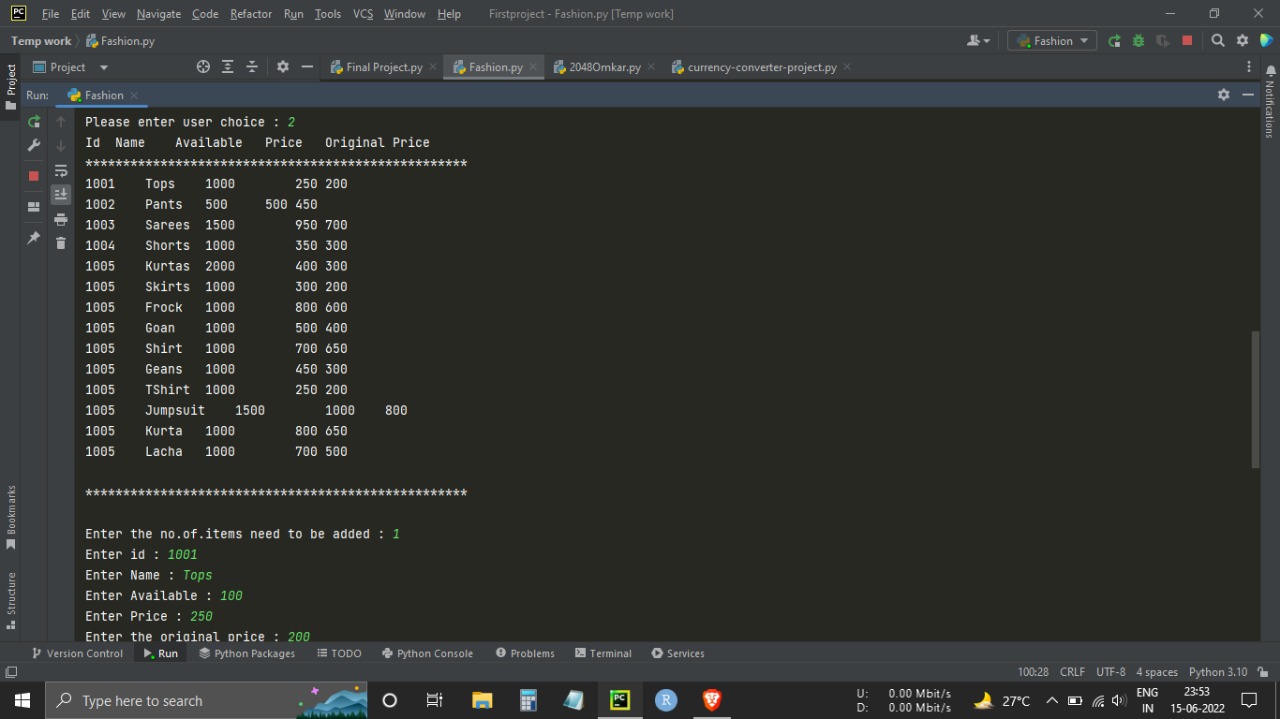
login()

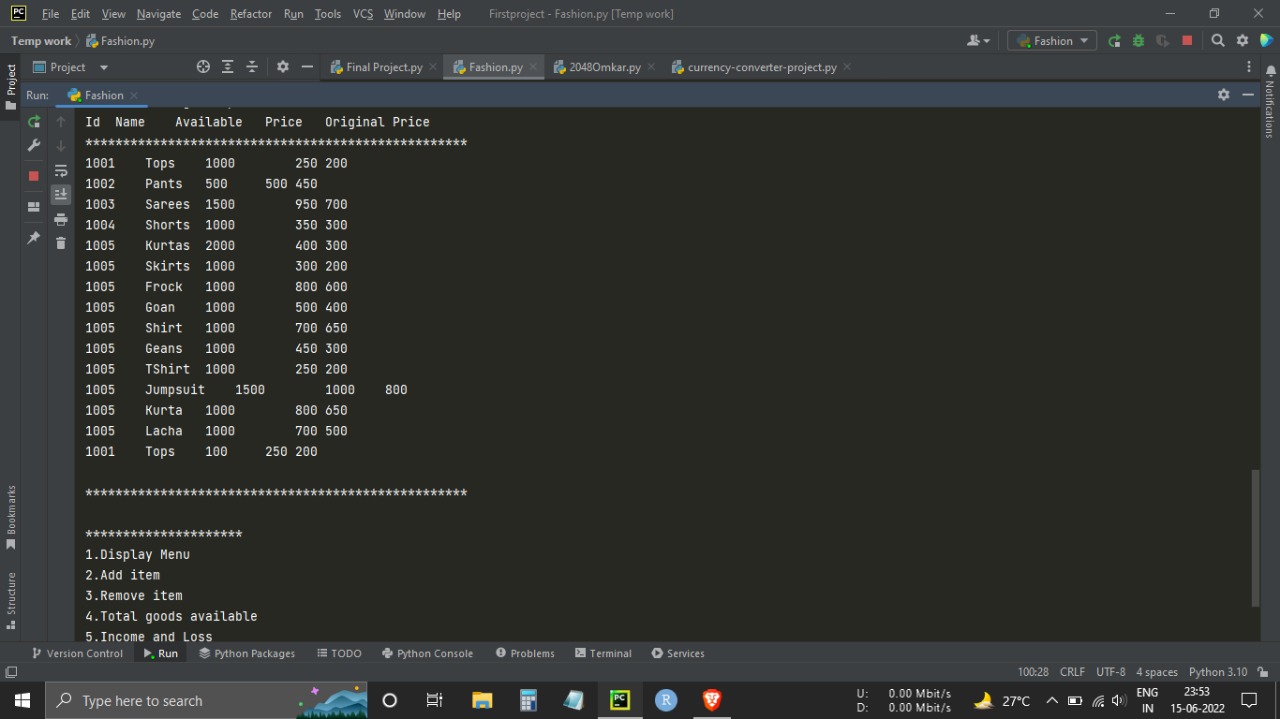
**CHAPTER 5**

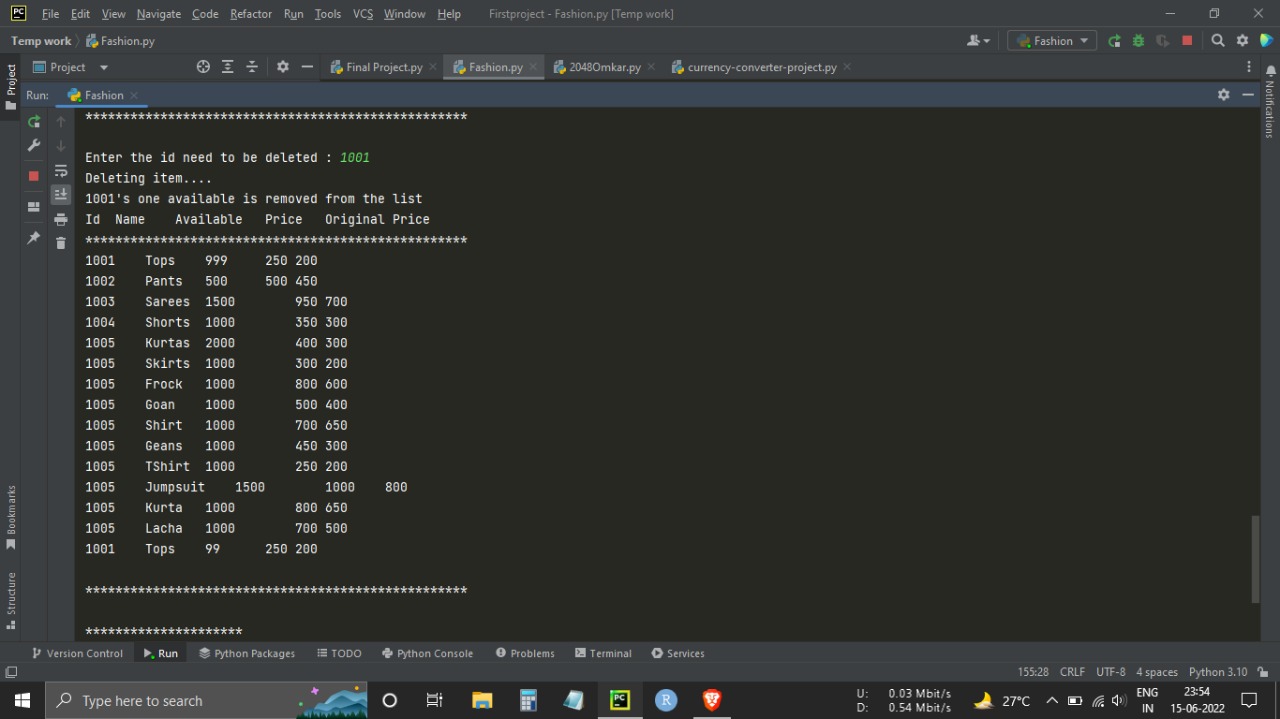
**RESULT & DISCUSSION**

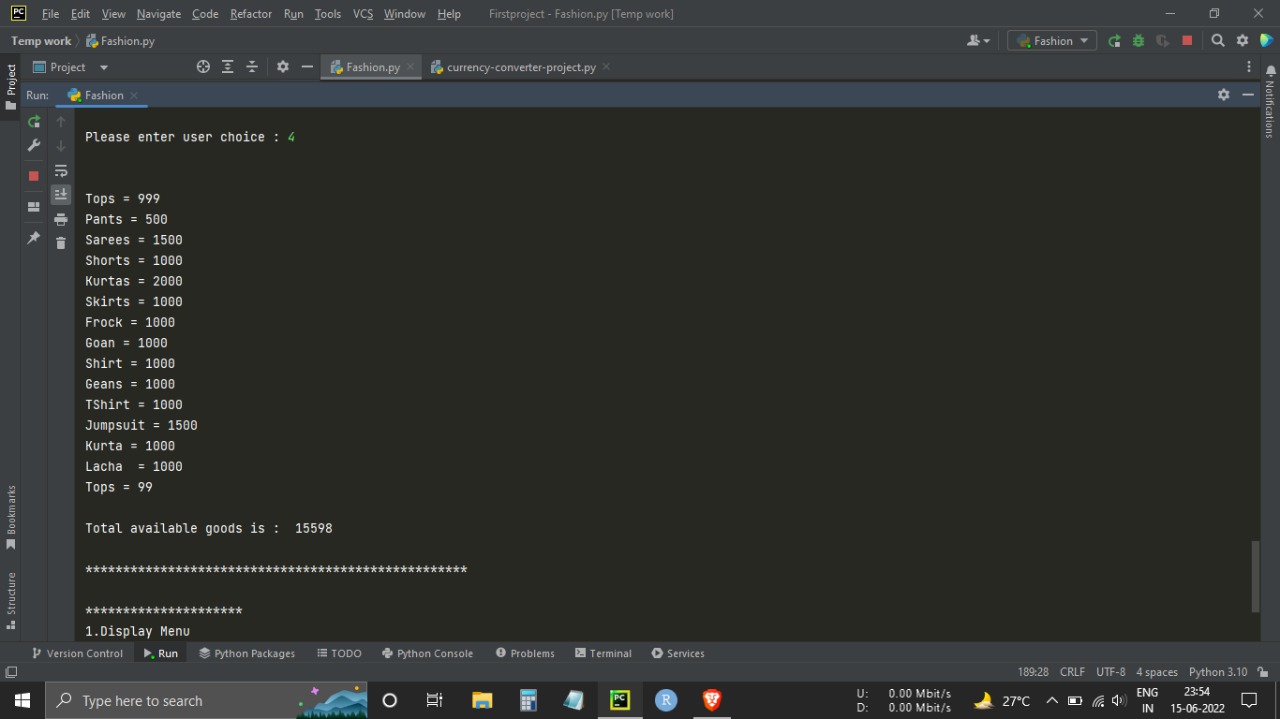
**5.1 OUTPUT**

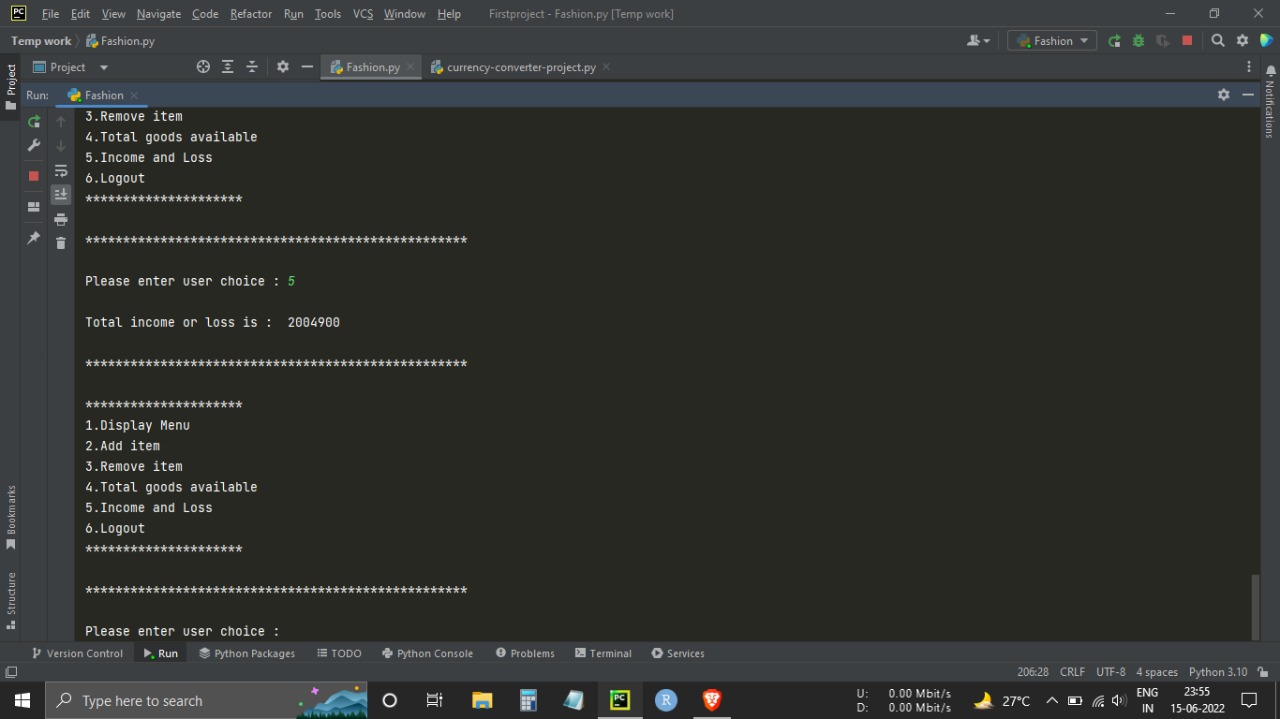
****

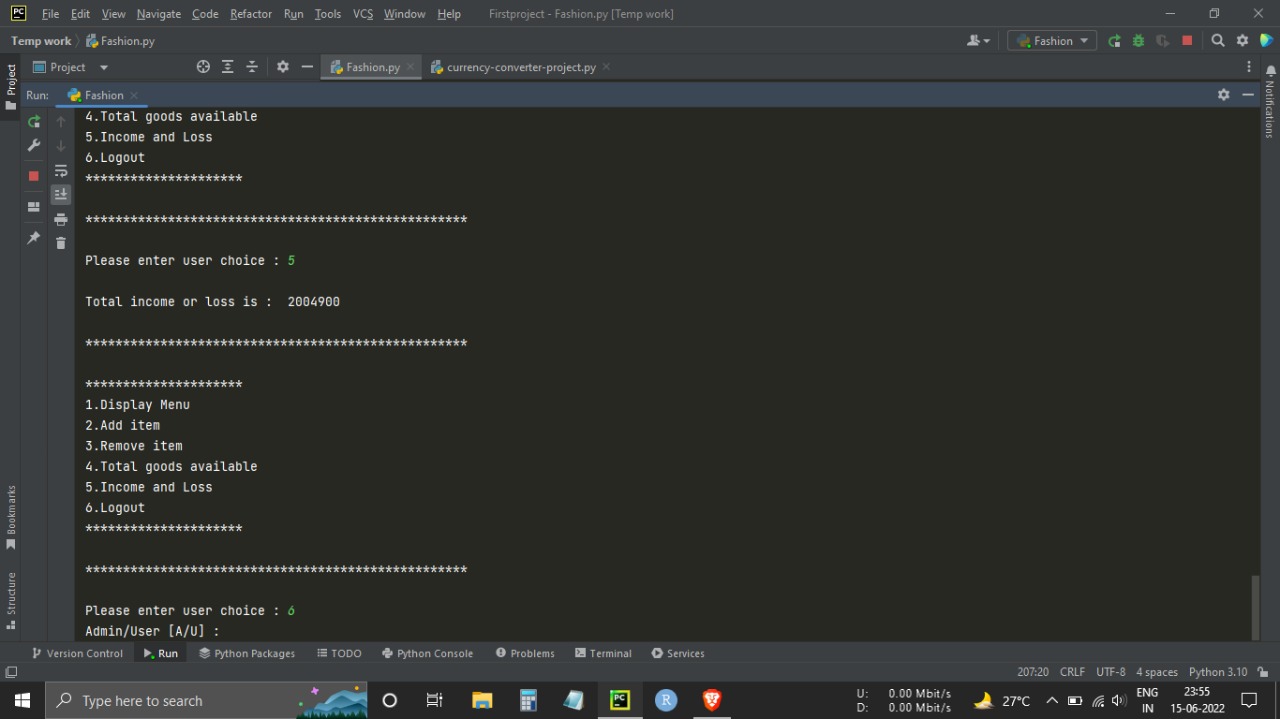
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**5.2 DISCUSSION**

* It Shows the ADMIN LOGIN ONLINE SHOPPING SYSTEM . As s ADMIN/USER we have to put a username as letter as “N’ and then had to enter the password “NIDHI” .
* Secondly, it shows the six choices for admin and we have to enter the user choice as 1,2,3,4,5 or 6. It will display the whole stock of the shopping app.
* Third, we can add or remove item in the stock. Also we can calculate the total goods available in the shop for the daily check of stock. In this app we can check the “Income” and “Loss” with the original price and the price of the shop given.
* Fourth, at the end we can logout our account by entering the last choice 6 . And then again if we have to open the app we have to type the user name and password to enter the shop.
* In the code given below, which is for the admin window you can see the display menu, add product, remove product, product goods available, total income and logout.
* In the code given below, which is for the admin window you can see the display menu, add product, remove product, product goods available, total income and logout.
* In the code given below, which is for the admin window you can see the display menu, add product, remove product, product goods available, total income and logout.
* In the code given below, which is for the admin window you can see the display menu, add product, remove product, product goods available, total income and logout.
* In the code given below, which is for the admin window you can see the display menu, add product, remove product, product goods available, total income and logout.

**Chapter6**

**CONCLUSION**

Here I have designed and developed **Online Shopping System Project** by applying engineering knowledge which provides an approach in learning or building, interesting and different, apps and games. Have identified and analyzed problem while building the game as it was a whole new experience of studying new modules and develop a game with it. I have used **modern tools** like **pyCharm Community Edition 2022.1.2 IDE** **or VS code or IDLE** to implement this project. During the development of the project we have applied **professional ethics** and we understood the importance of **time management** through the whole process of developing the project. While showcasing our project, enhanced my communication skills and displayed professional ethics which results in **lifelong learning.**

This Online Shopping System Project can be useful to students or professional who wants to learn python programming language. This project can also be modified to fit your personal requirements. Hope this project will help you to improve your skills. Happy Coding!

This**Online Shopping System Project in Python** is the way to enhance and broaden our competencies and logic ideas which is essential in training the python programming language which is maximum well known and most usable programming language in lots of company.

**FUTURE SCOPE**

In future, I can try to apply the knowledge of **machine learning** or **artificial intelligence** in order to fully automate the project by making the bird moving on its own through all the obstacles that comes along the way as it continues to pass through them. Can add the high score on the screen and play a different sound as someone breaks the previous record. Also can add **different skins** for the bird or **different characters** and different **difficulty levels** which user can choose while on the welcome screen.

**Books**

* The complete reference python by Martin C. Brown
* Invent Your Own Computer Games with Python, 4th Edition

**REFERENCE**

* [**https://docs.python.org/3/**](https://docs.python.org/3/)
* **https://docs.python.org/3/library/idle.html**

**Notes:**

**1. Chapter Title –** Front size = 16, Front Type = Times New Roman, Alignment = Centered,

Bold.

(Example – INTRODUCTION)

**2. Heading –** Front size = 14, Front Type = Times New Roman, Alignment = Left, Bold.

(Example – 4.1 ALGORITHM)

**3. Sub Heading -** Front size = 12, Front Type = Times New Roman, Alignment = Left, Bold.

(Example – Module)

**4. Content -** Front size = 12, Front Type = Times New Roman, Alignment = Left.

(Example – Write down proper information about you project)

**5. Figure –** Give proper name to your figure and screenshot.

Front size = 12, Front Type = Times New Roman, Alignment = Centered.

Fig. Chapter no. name of figure/screenshot

(Example – Fig. 4 Flowchart of Tic-Tac-Toe)