

# shopping-app-1

August 17, 2024

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[19]: """
QUESTION
You are a Python developer, building a shopping application or e-commerce
    ↪ application with login and
public login features on the Python platform. The application should include
    ↪ categories such as footwear,
clothing, and electronics. You should be able to add and update categories in
    ↪ the application. Additionally,
the application must allow users to add or remove items from their cart.
    ↪ Finally, the program needs to
support various payment options including UPI and debit cards. This is a
    ↪ backend implementation, and
UX/UI and database connectivity are not required.
"""

print("Welcome to the Demo Marketplace")
user_db={"username":"Melissa","password":"Chakki"}
admin_db={"username":"Vivek","password":"Hailey"}
def user_login():
    username=input("Enter the username of the user: ")
    password=input("Enter the password of the user: ")
    if(username==user_db["username"] and password==user_db["password"]):
        print("Login successful as user")
    else:
        print("Login failed")
def admin_login():
    username=input("Enter the username of the user: ")
    password=input("Enter the password of the user: ")
    if(username==admin_db["username"] and password==admin_db["password"]):
        print("Login successful as admin")
    else:
        print("Login failed")
def generate_session_id():
    return "12345"

category=["footwear","clothing","electronics"]
catalog=[{"id":1, "name":"Adidas", "category":"footwear", "price":"10000"},
          {"id":2, "name":"Chanel", "category":"clothing", "price":"50000"},
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        {"id":3, "name":"Apple", "category":"electronics", "price":"100000"}]
def display_catalog():
    print("id\tname\tcategory\tprice")
    for i in catalog:
        print(i['id'], "\t", i['name'], i['category'], "\t", i['price'], end="\t")
        print("\n")
cart=[] #Create an empty list named cart to represent the user's cart
def display_cart():
    #Display the items in the cart
    for i in cart:
        print(i)
def add_to_cart():
    #Add items to the cart with session ID, product ID, and quantity
    session_id=generate_session_id()
    product_id=int(input("Enter the item id from catalog: "))
    quantity=int(input("Enter the quantity needed"))
    cart.append({"session_id":session_id,"product_id":product_id,"quantity":
↪quantity})
def delete_from_cart():
    #Remove items from the cart using session ID and product ID
    product_id=int(input("Enter the product id to delete: "))
    for i in cart:
        if(i['product_id']==product_id):
            cart.remove(i)
            print("Removed from cart")
def Add_Product():
    id=int(input("Enter the id of the product: "))
    name=input("Enter the name of the product: ")
    print("Enter the category of the product: ")
    print(category)
    input_category=input()
    price=input("Enter the price of the product: ")
    catalog.append({"id":id,"name":name,"category":input_category,"price":
↪price})
def Modify_Product():
    id=int(input("Enter the id of the product to be modified: "))
    key=input("Enter the key to be modified(name,category,price)")
    modified=input("Enter the new value")
    for i in catalog:
        if(i['id']==id):
            i[key]=modified
def Remove_Product():
    id=int(input("Enter the id of the product to be deleted: "))
    for i in catalog:
        if(i['id']==id):
            catalog.remove(i)
def Add_Category():

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new_category=input("Enter the new category name: ")
category.append(new_category)
print(category)
def Remove_Category():
    new_category=input("Enter the category to delete: ")
    category.remove(new_category)
    print(category)
def checkout():
    payment=int(input("Enter a payment method('1. UPI / 2. Debit cards')"))
    if(payment==1 or payment==2):
        print("Payment successful")
    else:
        print("Payment unsuccessfull. Redirecting")
        checkout()
while(True):
    print("Welcome to the Demo Marketplace")
    choice=input("Are you an admin or user?(Input 'admin'/'user'/'exit')")
    if choice.lower()=="user":
        user_login()
        while(True):
            option=int(input("Enter your choice: \n1. Display cart \n2. Add to_
↳cart \n3. Delete from cart \n4. Log out"))
            if(option==1):
                display_cart()
            elif(option==2):
                add_to_cart()
            elif(option==3):
                delete_from_cart()
            elif(option==4):
                print("Thank you")
                break
            else:
                print("Invalid")
        checkout()
    elif choice.lower()=="admin":
        admin_login()
        while(True):
            option=int(input("Enter your choice: \n1. View Catalog \n2. Add_
↳product \n3. Modify product \n4. Remove product \n5. Add category \n6.
↳Remove category \n7. Logout"))
            if(option==1):
                display_catalog()
            elif(option==2):
                Add_Product()
            elif(option==3):
                Modify_Product()
            elif(option==4):

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        Remove_Product()
    elif(option==5):
        Add_Category()
    elif(option==6):
        Remove_Category()
    elif(option==7):
        print("Logging out")
        break
    else:
        print("Invalid")
elif choice.lower()=="exit":
    print("Exit")
    break
else:
    print("Invalid")

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Welcome to the Demo Marketplace

Welcome to the Demo Marketplace

Are you an admin or user?(Input "admin"/"user"/"exit") admin

Enter the username of the user: Vivek

Enter the password of the user: Hailey

Login successful as admin

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 1

id	name	category	price
1	Adidas	footwear	10000
2	Chanel	clothing	50000
3	Apple	electronics	100000

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 5

Enter the new category name: Makeup

['footwear', 'clothing', 'electronics', 'Makeup']

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 2

Enter the id of the product: 4

Enter the name of the product: Sephora

Enter the category of the product:

['footwear', 'clothing', 'electronics', 'Makeup']

Makeup

Enter the price of the product: 1000

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 1

id	name	category	price
1	Adidas	footwear	10000
2	Chanel	clothing	50000
3	Apple	electronics	100000
4	Sephora	Makeup	1000

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 3

Enter the id of the product to be modified: 1

Enter the key to be modified(name,category,price) name

Enter the new value Nike

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 1

id	name	category	price
1	Nike footwear	10000	
2	Chanel clothing		50000
3	Apple electronics		100000
4	Sephora Makeup		1000

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 4

Enter the id of the product to be deleted: 3

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 1

id	name	category	price
1	Nike footwear	10000	
2	Chanel clothing		50000
4	Sephora Makeup		1000

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category

6. Remove category  
7. Logout 6  
Enter the category to delete: electronics

['footwear', 'clothing', 'Makeup']

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 1

id	name	category	price
1	Nike footwear		10000
2	Chanel clothing		50000
4	Sephora Makeup		1000

Enter your choice:

1. View Catalog
2. Add product
3. Modify product
4. Remove product
5. Add category
6. Remove category
7. Logout 7

Logging out

Welcome to the Demo Marketplace

Are you an admin or user?(Input "admin"/"user"/"exit") user

Enter the username of the user: Melissa

Enter the password of the user: Chakki

Login successful as user

Enter your choice:

1. Display cart
2. Add to cart
3. Delete from cart
4. Log out 1

Enter your choice:

1. Display cart
2. Add to cart
3. Delete from cart
4. Log out 2

Enter the item id from catalog: 1

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Enter the quantity needed 1
Enter your choice:
1. Display cart
2. Add to cart
3. Delete from cart
4. Log out 2
Enter the item id from catalog: 2
Enter the quantity needed 2
Enter your choice:
1. Display cart
2. Add to cart
3. Delete from cart
4. Log out 1

{'session_id': '12345', 'product_id': 1, 'quantity': 1}
{'session_id': '12345', 'product_id': 2, 'quantity': 2}

Enter your choice:
1. Display cart
2. Add to cart
3. Delete from cart
4. Log out 3
Enter the product id to delete: 1

Removed from cart

Enter your choice:
1. Display cart
2. Add to cart
3. Delete from cart
4. Log out 1

{'session_id': '12345', 'product_id': 2, 'quantity': 2}

Enter your choice:
1. Display cart
2. Add to cart
3. Delete from cart
4. Log out 4

Thank you

Enter a payment method('1. UPI / 2. Debit cards') 1

Payment successful
Welcome to the Demo Marketplace

Are you an admin or user?(Input "admin"/"user"/"exit") exit

Exit
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