
Creating a Shopping App Using Python

Phase-End Project Problem Statement



Phase-End Project: Creating a Shopping App Using Python

Problem Scenario: You have to develop a shopping application or e-commerce application which has login and public login features on the Python platform. The applications that have been developed should also include categories, such as 3–4 for footwear, clothing, electronics, etc. It should be possible to add and update categories in the application. Additionally, it must contain a feature that allows you to add or remove items from your cart. Finally, the program needs to support a variety of payment options, including UPI and debit cards. This should be only backend implementation, and UX/UI and database connectivity are not required.

Guidelines:

- A welcome message should initially be displayed in the e-commerce application, such as "Welcome to the Demo Marketplace".

WELCOME TO THE TS STORE

- User login and admin login should be created once the code for the welcome message has been written.

WELCOME TO THE TS STORE

To login enter 1.
To sign up enter 2.
Enter your choice: 1
Enter your username: user1
Enter your password: 123456789

Welcome back user1 to TS store!

We have 3 Categories:

1. footwear
2. clothing
3. Electronics

We have 4 Products:

1. Boots - category: footwear , Price: 50 SAR.
2. Coats - category: clothing , Price: 150 SAR.
3. caps - category: clothing , Price: 12 SAR.
4. iphone - category: Electronics , Price: 1500 SAR.

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice:

User login

WELCOME TO THE TS STORE

To login enter 1.
To sign up enter 2.
Enter your choice: 1
Enter your username: admin1
Enter your password: 123456789

Welcome back admin1 to TS store! You logged in as an admin

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:

Admin login

- After databases are created, create admin and user logins. It is necessary to construct a sample product catalog. Both users and administrators can view the catalog.

WELCOME TO THE T5 STORE

```
To login enter 1.
To sign up enter 2.
Enter your choice: 1
Enter your username: admin1
Enter your password: 123456789

Welcome back admin1 to T5 store! You logged in as an admin

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:1

We have 3 Categories:
1. footwear
2. clothing
3. Electronics

We have 4 Products:
1. Boots - category: footwear , Price: 50 SAR.
2. Coats - category: clothing , Price: 150 SAR.
3. caps - category: clothing , Price: 12 SAR.
4. iphone - category: Electronics , Price: 1500 SAR.
-----
```

```
Enter your username: user1
Enter your password: 123456789
```

Welcome back user1 to T5 store!

```
We have 3 Categories:
1. footwear
2. clothing
3. Electronics
```

```
We have 4 Products:
1. Boots - category: footwear , Price: 50 SAR.
2. Coats - category: clothing , Price: 150 SAR.
3. caps - category: clothing , Price: 12 SAR.
4. iphone - category: Electronics , Price: 1500 SAR.
-----
```

- User login rights include the ability to view cart contents, add items to carts, and remove items from carts.

```

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice: 2

Enter the product id: 1
How many quantity you want to add? 1
The items has been add successfully

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice: 1
Your cart contain 1 items:
1. Boots | Category: footwear , Price: Rs.50

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice: 3

Enter the product id: 1
How many quantity you want to remove? 1
The items has been removed successfully

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice: 1
Your cart contain 0 items:

```

- Next, the program should provide demo payment checkout options, like Net banking, PayPal, UPI, etc.

```

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice: 2

Enter the product id: 1
How many quantity you want to add? 2
The items has been add successfully

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice: 1
Your cart contain 2 items:
1. Boots | Category: footwear , Price: Rs.50
1. Boots | Category: footwear , Price: Rs.50

To view your cart enter 1
To add items to your cart enter 2
To remove items from your cart enter 3
To checkout enter 4
To logout enter 5
Enter your choice: 4
Please select a payment option:
1. Net banking
2. PayPal
3. UPI
Your choice: 1
You will be shortly redirected to your Net banking to make a payment of 100 SAR.
Your payment has been successfully processed.

```

- Additionally, the admin can only log in using his credentials, and if the admin attempts to log in using another set of credentials, an error notice must appear.

```
To login enter 1.  
To sign up enter 2.  
Enter your choice: 1  
Enter your username: admin1  
Enter your password: 123  
Wrong username or password  
Something went wrong, try again
```

- Admin should not be able to interfere with any of the functions that the user can perform, as discussed above. An error should appear if the admin tries to carry out those tasks.

```
Enter your username: admin1  
Enter your password: 123456789  
  
Welcome back admin1 to T5 store! You logged in as an admin  
  
To view the catalog enter 1.  
To add new category enter 2.  
To remove category enter 3.  
To add product to the catalog enter 4.  
To remove product from the catalog enter 5.  
To edit product in the catalog enter 6.  
To add items to the cart enter 7.  
To remove items from the cart enter 8.  
To log out enter 9.  
Enter your choice:7  
  
you are admin cannot add to the user cart
```

- Furthermore, using the previously selected attributes, the admin should be able to add new products to the catalog. Additionally, the program needs to make it possible for an existing product to be modified.

```

Enter your username: admin1
Enter your password: 123456789

Welcome back admin1 to T5 store! You longed in as an admin

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:4

Enter the product name: heel
Enter the product ID: 5
Enter the product price: 40
Enter the product category: 1
The product has been added successfully!

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:6

Enter the ID of the product to be edited: 5
What do you want to edit (name or price): price
Enter the updated product price: 600
Product updated successfully.

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:1

We have 3 Categories:
1. footwear
2. clothing
3. Electronics

We have 5 Products:
1. Boots - category: footwear , Price: 50 SAR.
2. Coats - category: clothing , Price: 150 SAR.
3. caps - category: clothing , Price: 12 SAR.
4. iphone - category: Electronics , Price: 1500 SAR.
5. heel - category: footwear , Price: 600.0 SAR.

```

- The admin should then have the ability to remove any existing products from the already-generated catalog.

```

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:5

Enter the ID of the product to be removed: 5
The product has been removed successfully!

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:1

We have 3 Categories:
1. footwear
2. clothing
3. Electronics

We have 4 Products:
1. Boots - category: footwear , Price: 50 SAR.
2. Coats - category: clothing , Price: 150 SAR.
3. caps - category: clothing , Price: 12 SAR.
4. iphone - category: Electronics , Price: 1500 SAR.
-----

```

- Lastly, understanding the dynamic demands of the market, the admin should be able to add a new category of product and delete the prevailing category of product from the catalog.

```

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:2

Enter CategoryName: food
Enter ID: 4
The Category has been added successfully!

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:1

We have 4 Categories:
1. footwear
2. clothing
3. Electronics
4. food

We have 4 Products:
1. Boots - category: footwear , Price: 50 SAR.
2. Coats - category: clothing , Price: 150 SAR.
3. caps - category: clothing , Price: 12 SAR.
4. iphone - category: Electronics , Price: 1500 SAR.
-----

To view the catalog enter 1.
To add new category enter 2.
To remove category enter 3.
To add product to the catalog enter 4.
To remove product from the catalog enter 5.
To edit product in the catalog enter 6.
To add items to the cart enter 7.
To remove items from the cart enter 8.
To log out enter 9.
Enter your choice:3

Enter the Category ID: 4
The Category has been removed successfully!
.. _ _ _ _ _ . . . . . _ _ _ .

```