

User Manual: E-commerce Management System

1. Introduction

The E-commerce Management System is an extensive tool created to effectively manage an e-commerce platform. You can use the system's features and functionalities to the fullest extent by following the instructions in this user manual.

2. Getting Started

You have three choices when the programme first starts: logging in, signing up, or quitting the programme.

2.1. Login

Enter 1 and, when prompted, enter your username and password to access your current account. Your credentials will be checked against the data in the system's database. You will be given access to your designated account, customer or admin if the information matches.

2.2. Registration

Enter 2 to begin the signup process. Follow these instructions for the necessary information during registration. Your username must have at least five characters and only contain letters or underscores. The password must be a minimum of five characters long and include at least one letter (in either uppercase or lowercase) and one number. Username@domainname.com (or edu, or any other legal domain) is the format you should use for your email address. The mobile number should be exactly 10 digits long, all numbers, and start with either "04" or "03." When the registration process is complete, you can log in using the credentials you provided.

2.3 Quit

Enter the number 3 and press the confirm key to easily end the system and halt its operation. By doing this, the programme will be effectively terminated, along with any active processes.

2.3. Customer Menu

After successfully logging in as a customer, you will be taken to the customer menu, which offers a number of options for efficiently managing your account and reading the available products. This menu acts as a central location for activities that improve your overall online shopping experience, including managing your profile, exploring products, seeing your order history, and generating consumption statistics.

1. View Customer Profile: The number 1 should be entered to display your customer profile. By doing so, you will gain access to your personal information and be able to examine the details related to your account.

2. Update Customer Profile: Enter the number 2 to update your customer's profile. You have to login again to update your details for security reasons. By doing so, you'll be able to change details like your email address, name, mobile number, or password. When asked, pick the attribute you want to change and enter the new value. Any issues, such as an invalid attribute

or erroneous value, will result in the display of an error notice that will instruct you on how to fix the problem.

3. Show Products: Enter the number 3 to browse the platform's enormous selection of products. You can efficiently browse the product list by seeing the 10 products that are displayed on each page. Enter the required page number to reach the associated page and browse the products in a methodical manner.

4. Show Order History: Enter the number 4 to view your order history. When you enter your customer ID, the system will obtain and display a detailed list of all of your orders. With the help of this function, you can easily evaluate and keep track of your purchases for future reference and record-keeping.(you can know your customer id by checking customer profile in option 1).

5. Generate Consumption Figures: Enter 5 to obtain consumption statistics. This will give you useful information about consumer consumption for a specific customer, consumer consumption overall, and a list of the top 10 best-selling products.

6. Get Product using Product ID: Enter the number 6 to get thorough information on a certain product. When prompted, enter the product ID for the item you want to know more about. The system will then show thorough information and specifications for the selected item.

7. Logout: To safely log out of your customer account, enter 7.

2.4. Admin Menu

You will have access to the admin menu after logging in as an admin, which offers a wide variety of administrative features and management over the e-commerce platform.

1. Show Products: Enter 1 to see the full list of products that are offered on the platform. You can view a thorough catalogue exhibiting all the products by choosing this option. You can use it to browse the whole selection of goods that are offered.

2. Add Customers: To add new customers to the system, enter 2. The proper error messages will be presented if any mistakes are made during the customer's creation process, such as duplicate usernames or missing information. Refer to the register customer in the above to know the formatting.

3. Delete Product: To remove a specific item off the platform, type 3. The product ID must be entered in order to delete the item. An error notice will instruct you on how to fix the problem if the product ID is invalid or the product cannot be deleted for any reason.

4. Show Orders: Enter the number 4 to display all orders in the system. With this option, you may get an in-depth review of all orders.

5. Generate Test Data: To create test data for evaluation, enter 5. Using random customer and order details, this option generates data for ten customers. There will be between 50 and 200 orders per customer.

6. Generate Statistical Figures: Enter 6 to produce statistical data that provides insight into different aspects of the platform. Category breakdowns, discount usage, likes count, and the sum of discounts and likes count are all included in these statistics.

7. Delete All Data: To remove all data from the system, enter 7. this operation permanently deletes all customer profiles, orders, and product information, it should be carried out with caution. It will print a caution message asking for your confirmation to delete if you type yes it will delete all the data or else deletion will be cancelled.

8. Delete Customer using Customer ID: To remove a particular customer from the system using their customer ID, type 8. An appropriate error message will be displayed if the supplied customer ID is invalid or the customer cannot be deleted.

9. Delete Order using Order ID: By entering 9, you can remove a specific order from the database by using its order ID. An error message will direct you to the solution if the provided order ID is invalid or the order cannot be deleted.

10. Delete Product using Product ID: By entering 10, you can remove a particular product from the platform by using its product ID. An error message will direct you to the solution if the provided product ID is invalid or the product cannot be deleted.

11. Delete All Products: To remove every product from the platform, enter 11. Use caution because this action cannot be undone. A caution message will be displayed asking you to confirm type 'yes' to confirm.

12. Delete All Orders: To remove all orders from the system, enter 12. Use caution because this action cannot be undone. A caution message will be displayed asking you to confirm type 'yes' to confirm.

13. Logout: To log out of the current admin account, enter 13.

The E-commerce Management System's various features and functionalities have been described in detail in this user manual. You can efficiently manage your account, browse products, view order history, and carry out administrative tasks by following to the instructions and commands provided.