

University of Westminster

# Object-Oriented Programming

5COSC019C

## Coursework (2023/24)

Test Cases

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Test Case	Expected output	Comments
Manager adds electronic product using console menu by selecting 1 in the menu	Manager is requested select the type of the product and continuously asked to provide necessary details such as id, name, quantity, price, brand, warranty.  Console prints "Product added successfully"	Pass
Manager adds clothing product using console menu by selecting 1 in the menu	Manager is requested select the type of the product and continuously asked to provide necessary details such as id, name, quantity, price, color, size.  Console prints "Product added successfully"	Pass
Manager gives a non exist selection in the menu or provides an non integer value for the menu choice	Console prints "Invalid Input!"	Pass
Manager provides non integer values while adding product for quantity, price, warranty, and size	Console asks the user to re enter a valid value	Pass
Manager tries to add a product with 60 quantity	Console prints "Can't add the Product. Maximum limit is reached!"	Pass
Manager tries to delete a product which doesn't exist	Console prints "Product not found!"	Pass
Manager deletes a product by providing the correct product id	Console displays the informations of the product. And prints "Product removed successfully!" Also console prints the total number of products that are left in the system	Pass
Manager selects option 3 in the console menu	Console displays the list of products added to the system in alphabetical order	Pass
Manager selects option 4 in the console menu	System saves the existing product in the system to a text file and displays "File saved successfully!"	Pass
Manger selects option 6	System displays "Thank you for using Westminster Shopping Manager!" and exit.	Pass
Manager Open the system with a text file in the directry with products information	System loads the file and adds the product to the system automatically	Pass

User selects Option 5	User is prompted to asking whether he is a existing user or not	Pass
User selects option 5 and tries to provide incorrect user name and password	System displays "Login failed!"	Pass
User selects option 5 and provides the correct user name and password	System displays "Login successful!" and opens the GUI	Pass
User selects option 5 and say he is not a registered customer	System asks for a user name and password. Then system displays "Registration successful!" and opens the GUI	Pass
In the GUI user selects different dropdown options	The system filters the table based on the option selected in the dropdown menu	Pass
User clicks the column heading in the table in GUI	The system sorts the table content based on that header	Pass
User clicks a row in the table in GUI	User is provided with more details of the product. And user is provided an option to add that product to the cart	Pass
User clicks the Shopping cart without adding any products	System displays "Shopping cart is empty"	Pass
User adds 3 products to the cart and clicks the Shopping cart button	System displays the details of the products added with the total price and discounts.	Pass
User adds 2 products to the cart and clicks the Shopping cart button for his first purchase	System provides an 10% discount for the user	Pass
User adds 3 products to the cart from same category	System provides an 20% discount for the user.	Pass