# Object Oriented Programming

# 5COSCO19C

# TEST CASES

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## Console Test Cases

| Test Case Number | Test Case | Expected Result | Actual Result | Pass/Fail |
|---|---|---|---|---|
| 1 | After the program starts select "N" to add a new product | Add a new product method should be executed | Add a new product method was executed | Pass |
| 2 | Press R to remove a product | Remove a product method should be executed | Remove a product method was executed | Pass |
| 3 | Press L to display list of products | The list of products method should be executed | The list of products method was executed | Pass |
| 4 | Press S to save data | The save program data method should be executed | The save program data method was executed | Pass |
| 5 | Press G to open GUI of westminster shopping manager | GUI should be activated | GUI got activated | Pass |
| 6 | Press Q to quit westminster shopping manager | The load data method should be executed | The load data method was executed | Pass |
| 7 | Select "A" | The system displays an error message | The system gave an error message | Pass |
| 8 | Add a new clothing product with valid details Product ID = "1C2345" Product Name = "Polo Shirt" Stock Count = 8 Price Of a Piece = £55 Product Type = "C" color = "yellow" size = "Medium" | The new clothing product should be added | The new clothing product was added | Pass |

| 9 | Add a new electronic product with valid details<br>Product ID = "1E2345"<br>Product Name = "Iron"<br>Stock Count = 3<br>Price Of a Piece = £80<br>Product Type = "E"<br>Brand Name = "Sony"<br>Warranty Period (months) = 12 | The new electronic product should be added | The new electronic product was added | Pass |
|---|---|---|---|---|
| 10 | Add a clothing product with invalid type for top count<br>Product ID = 1C2346<br>Product Name = Saree<br>Stock Count = E | The system displays an error message | The system gave an error message | Pass |
| 11 | Add a new electronic product invalid type warranty period<br>Product ID = 1E2346<br>Product Name = Blender<br>Stock Count = 10<br>Price Of a Piece = £55<br>Product Type = E<br>Brand Name = Abans<br>Warranty Period (months) = Er | The system displays an error message | The system gave an error message | Pass |
| 12 | Add more than 50 products to the system | The system displays an error message | The system gave an error message | Pass |
| 13 | Removing a product using product ID | The product should be removed | The product was removed | Pass |
| 14 | Removing a product using product name | The system displays an error message | The system gave an error message | Pass |
| 15 | Print product list | The system prints the list of products | The system printed the list of products | Pass |

| 16 | Save system data | The system should save data | The system saved data | Pass |
|----|------------------|-----------------------------|------------------------|------|
| 17 | Load system data from the text file when the system is starting | The system should load data | The system loaded data | Pass |

## GUI Test Cases

| Test Case number | Test case | Expected result | Actual result | Pass/Fail |
|------------------|-----------|-----------------|---------------|-----------|
| 18 | Click the product to display the product details | The details of the product should be displayed | The details of the product displayed | Pass |
| 19 | Sort and visualize products in alphabetical order by product name | All the products should be printed in alphabetical order by product name | All the products printed in alphabetical order by product name | Pass |
| 20 | Add products to the cart | The details of the product should be displayed in the cart. | The details of the product displayed in the cart. | Pass |
| 21 | Sort the products as "Electronics" or "Clothing" | Products should be added to the cart | Products were added | Pass |
| 22 | Add products to the cart with the first login | 10% discount should be added to the total amount | The total was calculated with the discount. | Pass |
| 23 | Add three products in the same category to the cart | 25% discount should be added to the total amount | The total was calculated with the discount. | Pass |
| 24 | Reduse an item to below 3 available items | On the next login, the item should be displayed in red on the table. | The item is in red on the table. | Pass |