

**Object Oriented Programming**

**5COSC019C**

**TEST CASES**

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CS -G2

**Westminster Online Shopping Manager Test Cases**

**Console Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case No | Test Case | Expected Result | Actual Result | Pass/Fail |
|  | Enter the username and password to start the program | Should display the menu | Displays the menu | Pass |
|  | After the program starts, select 1 or “ADD” to add a new product | Add new product method should be executed. | Add new product is executed | Pass |
|  | select 2 or “DELETE” to delete a product | The delete product method should be executed. | The delete product method is executed. | Pass |
|  | select 3 or “PRINT” to print all products | The print product list should be executed. | The print product list is executed. | Pass |
|  | select 4 or “SAVE” save products to file | The save product data method should be executed. | The save product data method is executed. | Pass |
|  | select 5 or “LOAD” to load all products from the file | The load data method should be executed. | The load data method is executed. | Pass |
|  | Select 6 to add new user | Add new user method should be executed. | Add new user is executed | Pass |
|  | Select 7 to save user to file | The save product data method should be executed. | The save product data method is executed. | Pass |
|  | Select 8 to load user from file | The load data method should be executed. | The load data method is executed. | Pass |
|  | select 6 or “GUI” to display the GUI | The load GUI method should be executed. | The load GUI method is executed. | Pass |
|  | select 7 or “EXIT” to exit the program | The program should exit. | The program exits. | Pass |
|  | Add new product with valid details. | New product should be added. | The new product is added | Pass |
|  | Add new product with existing product ID. | Should print error message “Product with the same ID already exists. Cannot add the product.” | Prints error message “Product with the same ID already exists. Cannot add the product.” | Pass |
|  | Add a new product with an invalid product type | Should print error message “Invalid Product Type.” | Prints error message “Invalid Product Type.” | Pass |
|  | Removing a product with its valid product ID | The program should delete the product and display all product details and the number of products remaining in the clinic. | The product gets deleted while displaying its details and the number of products remaining. | Pass |
|  | Removing a product with an invalid product ID | It should display the error message “Product 35 doesn't exist. Please try again.” | Displays the error message “Product 35 doesn't exist. Please try again.” | Pass |
|  | Print product list | The program should print all the products with their details | Prints all products with details | Pass |
|  | Save program  data | Current program  data should be  saved into the text  file | Program data  saved into the text  file | Pass |
|  | Load program data from the file. | All the saved  program data  should be loaded | Program data gets  loaded | Pass |
|  | Opening GUI  program | Program should  Open the GUI  and load it. | Program opened  the GUI  and loaded it. | Pass |

**GUI Test Cases**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Case No | Test case | Expected result | Actual result | Pass/Fail |
|  | Select the category (All, Electronics, Clothing) from the category combo box to visualise the details. | Should load the data to the table according to the selected category | loads the data to the table according to the selected category, data is sorted according to the product ID. | Pass |
|  | Select product to display the product details. | The selected product details should be displayed under the table | Selected product details are displayed under the table | Pass |
|  | Add product to shopping cart by clicking on add to cart button | Should display JDialog box, which asks to enter the buying quantity | Displays JDialog box, which asks to enter the buying quantity | Pass |
|  | Click on shopping cart button to visualize the shopping cart details | Should display the shopping cart | Displays the shopping cart | Pass |
|  | Click on add to cart button to add more products and shopping cart changes accordingly | The newly added products should be displayed in the shopping cart along with the total prices and discounts. | The newly added products are displayed in the shopping cart along with the total price and discounts. | Pass |