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| **Test case description** | **Test steps** | **Pre Condition** | **Test data** | **Expected results** | **Status** |
| **Console** | | | | | |
| Test if an electronics product is getting added successfully. | Select the option to add the product (Option 1- > Option 1)  Provide valid input for the product type, ID, name, available items, price, brand and warranty | The manager should have chosen electronics under add product option | Enter your choice: 1  Enter product type  (1 for Clothing, 2 for Electronics): 2  ID: w1001  Name: iPhone  Available Items: 10  Price: 899.99  Brand: Apple  Warranty Period:12 | The product is added to the list successfully. | Passed |
| Test if a clothing product is getting added successfully. | Select the option to add the product (Option 1- > Option 2)  Provide valid input for the product type, ID, name, available items, price, size and colour | The manager should have chosen clothing under add product option | Enter your choice: 1  Enter product type  (1 for Clothing, 2 for  Electronics): 1  ID: w2001  Name: Shoe  Available Items: 20  Price: 149.99  Size: M  Colour: Blue | The product is added to the list successfully. | Passed |
| Test if a product is deleted successfully. | Select the option to delete the product (Option 2)  Enter product  ID | The product list contains the product to be deleted. | Enter your choice: 2  ID: w2001 | Shoe deleted from products successfully.  Total products available: 1 | Passed |

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| **Test case description** | **Test steps** | **Pre Condition** | **Test data** | **Expected results** | **Status** |
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| To check if the user can print the product list onto the console | Select the option to print the product list (Option 3) | Add products to the system | Enter your choice: 3 | Electronics: Product ID: w1001  Product Name: iPhone  Available Items: 10  Price: 899.99  Brand: Apple  Warranty Period: 12 | Passed |
| Test case to check if the user can save the product list to the text file | Select the option to save the product list (Option 4) | Make any changes to the products | Enter your choice: 4 | Products saved to file. | Passed |
| Test case to check if the user can authenticate and land at the Westminster shopping centre | Select the option to log in to GUI (Option  5) | The user should be registered as a user previously | Enter your choice: 5 | The user should be displayed the login page and upon login display the shopping centre  GUI | Passed |
| Test case to check if the user can exit the application. | Select the option to exit from the system | Save to file | Enter your choice: 6 | Thank you for using Westminster  Shopping Manager. | Passed |
| **GUI** | | | | | |
| Check if comboBox is  loading correctly | 1.Select All from ComboBox  2.Select  Clothing from  ComboBox | There should be atleast one product in the array list | None | Display the selected  Category | Passed |

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| **Test case description** | **Test steps** | **Pre Condition** | **Test data** | **Expected results** | **Status** |
|  | 3.Select  Electronics from  ComboBox |  |  |  |  |
| Check to see if the products in the product table have changed to red when there are less than three items. | 1. Add products to the shopping   cart   1. Update the table by selecting the category box | The specific products available items has to be less than 3 | None | Change the row colour to red | Passed |
| Sorting the products table | Click the sort button | Have more than 1 product on the table | None | Sort the product table in ascending order | Passed |
| Check if the category discount is applied corectly | Add 3 products of the same category to the shopping cart | Have 3  products of same category | None | Display the discount label applying 20% | Passed |