# Coursework Test Case Plan – 5COSC019C Object Oriented Programming

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|  | **Test Case** | **Expected Result** | **Actual Result** | **Pass / Fail** |
| 1. | Menu is displayed when the program initialized. | Display Menu with the relevant options. | Display Menu with the relevant options. | Pass |
| 2. | Press 1 to add a product to the system | When 1 is pressed options to add product is displayed | When 1 is pressed options to add product is displayed | Pass |
| 3. | Press 1 or 2 to select whether the product is electronic or clothing. | When 1 is pressed required information to be filled for electronics is displayed while 2 is pressed information to be filled for clothing is displayed | When 1 is pressed required information to be filled for electronics is displayed while 2 is pressed information to be filled for clothing is displayed | Pass |
| 4. | Press 2 to delete a product from the system | When 2 is pressed enter product id prompt is displayed and after entering product id a message is displayed saying product is deleted with relevant information | When 2 is pressed enter product id prompt is displayed and after entering product id a message is displayed saying product is deleted with relevant information | Pass |
| 5. | Press 3 to print all the products in the system with the relevant information | When 3 is pressed all the products in the system with their category and entered information in the product adding phase is displayed in the ascending order by considering product ID | When 3 is pressed all the products in the system with their category and entered information in the product adding phase is displayed in the ascending order by considering product ID | Pass |
| 6. | Press 4 to save all products to the system | When 4 is pressed all the products that have added to the system is saved to the file display the relevant messages | When 4 is pressed all the products that have added to the system is saved to the file display the relevant messages | Pass |
| 7. | Press 5 to enter the shopping center interface | When 5 is entered user verification is initialized by asking for username and password. If the account is new, it will sign up and if account already existing then login will be performed | When 5 is entered user verification is initialized by asking for username and password. If the account is new, it will sign up and if account already existing then login will be performed | Pass |
| GUI | | | | |
| 8 | Select category from the drop-down menu to filter the products in the system | When select category from the drop-down menu electronics and clothing should be filter accordingly and when all is selected it should display all the products | When select category from the drop-down menu electronics and clothing should be filter accordingly and when all is selected it should display all the products | Pass |
| 9 | Select item to get the product details | When a item/ product from the table is selected, the information of that particular product is displayed below the table | When a item/ product from the table is selected, the information of that particular product is displayed below the table | Pass |
| 10 | Select add to shopping cart button to add the item/s to the shopping cart | When add to the shopping cart button is selected, the selected product is added to the cart and the number of available items will be reduced | When add to the shopping cart button is selected, the selected product is added to the cart and the number of available items will be reduced | Pass |
| 11 | Select shopping cart button to view the shopping cart with the discounts and the final prices | When shopping cart button is clicked the products, we did add to the cart will be displayed and discounts will be applied based on the conditions | When shopping cart button is clicked the products, we did add to the cart will be displayed and discounts will be applied based on the conditions | Pass |
| 12 | Items with availability less than 3 should be indicated in the red | When GUI opens the items with availability lesser than 3 should be highlighted in red color | Whole table will turn red if an item has lesser availability | Fail |
|  | | | | |

**Test Case 1**

**A screen shot of a computer

Description automatically generated**

**Test Case 2**

A screenshot of a computer

Description automatically generated

**Test Case 3**

A computer screen shot of a black screen

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A screenshot of a computer

Description automatically generated**Test Case 4**

**Test Case 5**

**A screenshot of a computer

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**Test Case 6**

A screen shot of a computer

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**Test Case 7**

A screenshot of a computer

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**Test Case 8**

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**Test Case 9**

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**Test Case 10**

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