

Test plan

No	Test Case	Input	Expected Result	Actual Result	Pass/Fail
1	Add a new Electronics product	Select 1 from the menu: Product ID, Product Name, Available Items, Price Enter e/E for electronics: Brand, Warranty Period	Product added to the system successfully.	Product added to the system successfully.	Pass
2	Add a new Clothing product	Select 1 from the menu: Product ID, Product Name, Available Items, Price Enter c/C for clothing: Size, Color	Product added to the system successfully	Product added to the system successfully	Pass
3	Remove a product	Select 2 from the menu: Product ID	Product removed successfully. Deleted Product Information:	Product removed successfully. Deleted Product Information:	Pass
4	Remove a non-existing product	Select 2 from menu Enter an invalid product ID	Product with ID not found.	Product with ID not found.	Pass
5	Display the product list	Select 3 to display the product list	Display the product list	Display the product list	Pass
6	Display an empty product list	Remove all products and select option 3	No products available.	No products available.	Pass
7	Save the products to the text file	Select option 4 from the menu	Products saved successfully	Products saved successfully	Pass

8	Load the products from the text file	Select option 5 from the menu	Products loaded successfully	Products loaded successfully	Pass
9	Quit the program	Select option 7 from the menu	Exiting program...	Exiting program...	Pass
10	Open the GUI	Select option 6 from the menu	Displaying the GUI	Displaying the GUI	Pass
11	Loads the product list table	Loading the GUI	Displaying the product list table of the products added	Displaying the product list table of the products added	Pass
12	Items with low availability are highlighted in red.	-	The items highlighted in red	The items highlighted in red	Pass
13	Dropdown list for categories	Select the dropdown list	The list must be visible to select the category as All Clothing Electronics	The list is be visible to select the category as, All Clothing Electronics	Pass
14	View Product details	Click on the specific products on the product list	Product details are shown in a separate panel below	Product details are shown in a separate panel below	Pass
15	Add product to cart	Click on the add to cart button	The available item number decreases as the products are adding	The available item number decreases as the products are adding	Pass
16	Remove products from cart.	Click on the Remove Cart button	When the remove button is clicked , the availability increases, and the item in the cart decreases.	When the remove button is clicked, the availability increases, and items in the cart decrease.	Pass

17	Open shopping cart in a different panel	Click on the shopping cart button	The shopping cart is opened in a new panel	The shopping cart is opened in a new panel	Pass
18	Sorting the products	Click on the A-Z button	The products must be sorted alphabetically	The products are sorted alphabetically	Pass
19	Showing separate categories	Click the dropdown list Select the Category	Only the same category is shown in the Table	Only the same category is shown in the Table	Pass
20	Adding more items to cart	The user can keep adding more items to cart	Check the shopping cart to check whether many items are added	Check the shopping cart to check whether many items are added	Pass
21	Show the list of products and the final price	Click on the Shopping cart button	The total price is shown in the product summary	The total price is shown in the product summary	Pass
22	20% discount for more than 3 products from the	Select more than three items from the same category	The discount will be showed int the shopping cart	The discount will be showed int the shopping cart	Pass
23	Adding 50 products(max products limit)	Manager add 50 different products	Getting "The product limit has reached." after 50 inputs	Getting "The product limit has reached." After 50 inputs	pass
24	Decrease items Availability.	Click Remove from cart button in GUI.	In product details, items available decrease.	In product details, items available decrease.	Pass
25	Increase items Availability.	Click add to cart button in GUI.	In product details, items available increase.	In product details, items available increase.	Pass