

No	Test Case	Input	Expected Result	Actual Result	Pass/Fail
1	Add a new Electronics product	Select 2 from the menu to pick manager settings Enter correct password Then pick 1 and enter "E" Then enter the product details	Product added to the system successfully.	Product added to the system successfully.	Pass
2	Add a new Clothing product	Select 2 from the menu to pick manager settings Enter correct password Then pick 1 and enter "C" Then enter the product details	Product added to the system successfully	Product added to the system successfully	Pass
3	Remove a product	Select 2 from the menu: Pick manager settings Enter correct password Then pick 2 and enter product id.	Product removed successfully. And display Remaining products	Product removed successfully. And display Remaining products:	Pass
4	Remove a non-existing product	Select 2 from menu Pick manager settings Enter correct password Then pick 2 and enter Enter an invalid product ID	Product not found	Product not found	Pass
5	Display the product list	Select 3 to display the product list	Print out the product list	Print out the product list	Pass
6	Display an empty product list	Remove all products and select option 3	No products in the system	No products in the system	Pass
7	Save the products from 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 manager menu Print the product list to check the products	Products loaded successfully	Products loaded successfully	Pass
9	Exit the program	Select option 7 from the menu	System exits without errors	System exits without errors	Pass
10	Open the GUI	Select option 1 from the main menu If already registered enter the username and password Or register using uername email and password	Displaying the GUI	Displaying the GUI	Pass
11	Loads the product list	Loading the GUI	Displaying the	Displaying the	Pass

	table		product list table of the products added	product list table of the products added	
12	Items with low availability are highlighted in light red	none	The items highlighted in light red	The items highlighted in light red	Pass
13	Dropdown list for categories	Select the dropdown list	The list must be visible to select the category	The list is be visible to select the category	Pass
14	Product details appear	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	Click add to cart button	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	Click on remove cart	Click on the Remove Cart button	When the remove button is clicked the the availability increases	When the remove button is clicked the the availability increases	Pass
17	Shopping cart opens 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	Categories shown separately	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	The user can keep adding more items	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 with the product summary	The total price is shown with the product summary	Pass
22	20% discount for more than 3 products from the same category	Select more than three items from the same category	The discount will be showed in the shopping cart	The discount will be showed in the shopping cart	Pass
23	Sign up if the user is not logged in	Pick 1 from menu and enter username Type yes Enter username Enter email Enter password Then log in	Signup successful	Signup successful	Pass

24	Log in	Enter username Enter password	Login successfully GUI opens	Login successfully GUI opens	Pass
25	Manager verification successful	Pick 2 from menu Then enter manager password	Manager menu opens	Manager menu opens	pass
26	Manager verification unsuccessful	Pick 2 from menu Then enter manager password. Enter password again	Wrong password displayed	Wrong password displayed	Pass
27	Max product add limit	From manager menu, pick 1. Add product , repeat 50 times	Cannot add more products	Cannot add more products	Pass