

Test Case	Test Case Description	Pre-Conditions	Expected Result	Actual Result
Select a menu option	User enters '9' as input for the menu option	User must have access to the system	System should display "Invalid input, Please enter a number from menu"	Displayed "Invalid input, Please enter a number from the menu"
Select a menu option	User enters 'a' as input for the menu option	User must have the access to the system	System should display "Wrong input, Please enter a number from the above menu"	Displayed "Wrong input, Please enter a number from the above menu"
Select a menu option	User enters '1' as input for the menu option	User must have access to the system	System should ask "What type of Product do you want to add (electronics(e)/clothing(c)):"	Displayed "What type of Product do you want to add (electronics(e)/clothing(c)):"
Select the type of product	User enters 'a' as input for the prompt	User must have access to the system  User must have selected option '1' from the main menu	System should display "Wrong input, please enter again."	Displayed "Wrong input, please enter again."
Select the type of product	User enters '5' as input for the prompt	User must have access to the system  User must have selected option '1' from the main menu	System should display "Wrong input, please enter again."	Displayed "Wrong input, please enter again."
Select the type of product	"e" or "E" or "Electronics" or "ELECTRONICS" as input for the prompt	User must have the access to the system  User must have selected option '1' from the main menu	System should prompt "Enter Product ID (4 digits):"	Displayed "Enter Product ID (4 digits):"
Select the type of product	User enters "c" or "C" or "Clothing" or "CLOTHING" as input for the prompt	User must have access to the system  User must have selected	System should prompt "Enter Product ID (4 digits):"	Displayed "Enter Product ID (4 digits):"

		option '1' from the main menu		
Input the product ID	User enters "A0000"	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have correctly entered the product type</p>	System should display "Invalid Product ID. Please enter a 4-digit ID."	Displayed "Invalid Product ID. Please enter a 4-digit ID."
Input the product ID	User enters "A001"	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have correctly entered the product type</p>	System should display "Enter Product Name:"	Displayed "Enter Product Name:"
Re-input the same product ID	User enters "A001"	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have correctly entered the product type</p>	Should display "Product with the same ID already exists. Please enter a different ID."	Displayed "Product with the same ID already exists. Please enter a different ID."

Input the product name	User enters "Phone"	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have correctly entered the product type</p> <p>User must have entered a valid product ID</p>	System should display "Enter number of available items:"	Displayed "Enter number of available items:"
Input the available items	User enters 'two'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p>	System should display "Invalid Input, available items should be a number."	Displayed "Invalid Input, available items should be a number."
Input the available items	User enters '5'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p>	System should display "Enter price of the product"	Displayed "Enter price of the product"
Input the price of the product	User enters 'twenty'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p>	System should display "Invalid input, price should be a number."	Displayed "Invalid input, price should be a number."
Input the price of the product	User enters '400.99'	User must have access to the system	System should display "Enter the brand of the Product:"	Displayed "Enter the brand of the Product:"

		User must have selected option '1' from the main menu		
Input the brand of the product	User enters "SONY"	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have entered the product type as Electronics</p>	System should be display "Warranty Period:"	Displayed "Warranty Period:"
Input the warranty period	User enters 'two_years'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have entered the product type as Electronics</p>	System should display "Please enter your choice from the given warranty periods"	Displayed "Please enter your choice from the given warranty periods"
Input the warranty period	User enters '6m'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have entered the product</p>	System should display the "Product added successfully!" and prompts the main console	Displayed "Product added successfully!" and prompts the main console

		type as Electronics		
Input the price of the product	User enters '89.99'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have entered the product type as Clothing</p>	System should display "Enter the size of the Clothing (XS/S/M/L/XL):"	Displayed "Enter the size of the Clothing (XS/S/M/L/XL):"
Input the size of the clothing product	User enters 'small'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have entered the product type as Clothing</p>	System should display "Wrong input, please enter your choice from the given sizes."	Displayed "Wrong input, please enter your choice from the given sizes."
Input the size of the clothing product	User enters 'S'	<p>User must have access to the system</p> <p>User must have selected option '1' from the main menu</p> <p>User must have entered the product type as Clothing</p>	System should display "Enter the colour of the Clothing:"	Displayed "Enter the colour of the Clothing:"
Input the color of the clothing product	User enters "Blue"	<p>User must have access to the system</p>	System should display "Product added successfully!" and	Displayed "Product added successfully!" and prompts the console menu

		<p>User must have selected option '1' from the main menu</p> <p>User must have entered the product type as Clothing</p>	prompts the console menu	
Select a menu option from the console	User enters '2'	User must have access to the system	System should display "Enter the product ID you want to delete:"	Displayed "Enter the product ID you want to delete:"
Enters a product ID to delete	User enters 'A100'	<p>User must have access to the system</p> <p>User must have selected option '2' from the main menu</p>	System should display "There is no product with that product ID."	Displayed "There is no product with that product ID."
Enters a product ID to delete	Users enters 'A001'	<p>User must have access to the system</p> <p>User must have selected option '2' from the main menu</p>	System should display the product is deleted successfully message, the remining items and prompt the main console	Displayed the message, remaining items, and the main console
Select a menu option from the console	User enters '3' and there are no items added to the system yet	<p>User must have access to the system</p> <p>User must have selected option '3' from the main menu</p>	System should display "There is no products added. Add products to print."	Displayed "There is no products added. Add products to print."
Select a menu option from the system	User enters '3'	<p>User must have access to the system</p> <p>User must have added at least one</p>	System should display the added items information and should be sorted according to the product ID. Main console prompts.	Displayed product information sorted according to the product ID and the main menu is displayed.

		product to the system		
Select a menu option from the console	User enters '4'	User must have access to the system	System should display "Successfully saved to the file!" The main console is prompted.	Displayed "Successfully saved to the file!" And prompted main console
Select a menu option from the console	User enters '5'	User must have access to the system	System should display the GUI Login page and prompt the main console.	Displayed the GUI Login page and the main console.
Input credentials to register	User enters 'John' for Username and '123' for password	User must have access to the system  Login GUI should be opened	System should display "Registered"	Displayed "Registered"
Click Login after successfully registered	User clicks "Login" button	User must have access to the system  User must have selected option 5 from the main menu	System should direct to the Shopping Center GUI	Displayed Shopping Center GUI
Input credentials to register	User enters 'John' for Username and '345' for password	User must have access to the system  User must have selected option 5 from the main menu  There should be a user with the username "John"	System should display "This username is already given"	Displayed "This username is already given"
Input credentials to login	User enters 'John' the username and '000' for the password	User must have access to the system  User must have selected option 5 from the main menu	System should display "Password is incorrect"	Displayed "Password is incorrect"

Select a category from the category selection bar	User selects "Electronics"	<p>User must have access to the system</p> <p>User must have selected option 5 from the main menu</p> <p>User must have registered or logged in successfully</p>	System should only display the electronics products	Displayed only the electronics products
Select a category from the category selection bar	User selects "Clothing"	<p>User must have access to the system</p> <p>User must have selected option 5 from the main menu</p> <p>User must have registered or logged in successfully</p>	System should only display the clothing products	Displayed only the clothing products
Click sort button	User clicks on 'sort' button	<p>User must have access to the system</p> <p>User must have selected option 5 from the main menu</p> <p>User must have registered or logged in successfully</p>	The system should display the products sorted in alphabetical order according to the product ID	Displayed products sorted in the alphabetical order according to the product ID
Click on a product item in the Shopping center GUI page	User clicks on a product	User must have access to the system	System should display the product details of the selected product in the bottom panel	Displayed the product details of the selected product in the bottom panel



		<p>User must have selected option 5 from the main menu</p> <p>User must have registered or logged in successfully</p>		
Click on add to shopping cart button	User clicks on 'Add to Shopping Cart' button	<p>User must have access to the system</p> <p>User must have selected option 5 from the main menu</p> <p>User must have registered or logged in successfully</p>	The system should add the product to the shopping cart	The item is added to the shopping cart
Click on shopping cart button	User clicks on 'Shopping Cart' button	<p>User must have access to the system</p> <p>User must have selected option 5 from the main menu</p> <p>User must have registered or logged in successfully</p>	The system should display the added items, total cost with the first purchase discount	Displayed added items and the total cost with the first purchase discount
Click on shopping cart button	User clicks on 'Shopping Cart' button	<p>User must have access to the system</p> <p>User must have selected option 5 from the main menu</p>	The system should display the added items, total cost with the first purchase discount and the three items in the same category discount	Displayed added items and the total cost with the first purchase discount and the three items in the same category discount

		User must have registered or logged in successfully		
Click on shopping cart button	User clicks on 'Shopping Cart' button	<p>User must have access to the system</p> <p>User must have selected option 5 from the main menu</p> <p>User must have registered or logged in successfully</p>	The system should display the added items, total cost with the three items in the same category discount	Displayed added items and the total cost with the three items in the same category discount
Select a menu option from the console	User enters '6'	User must have access to the system	System should display the "System termination successful, Thank You!" and exits the system	Displayed "System termination successful, Thank You!" and exits from the system

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