Test Plan

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Task	Scenario	Expected Output	Actual Output	Status
Console Menu Implementation				
Using the Console Menu				
Choose an option from the menu	Manager enters a number between 1 and 6	The system directs the manager to the next phase	The system directs the manager to the next phase	Pass
	Manager inputs number 7	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again	Pass
	Manager enters 1.0	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again	Pass
	Manager enters "Add"	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again	Pass
	Manager enters "Add1"	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again.	The system displays the error message 'Invalid! Enter again' and prompts the manager to enter again	Pass
Add a new product				
Select between the	Manager enters 1	The system directs the manager to enter	The system directs the manager to enter	Pass

two categories		details of the electronic product	details of the electronic product	
	Manager enters 2	The system directs the manager to enter details of the clothing product	The system directs the manager to enter details of the clothing product	Pass
	Manager enters 3	The system displays the error message 'Invalid! Enter 1 or 2:' and prompts the manager to enter again	The system displays the error message 'Invalid! Enter 1 or 2:' and prompts the manager to enter again	Pass
Enter the product ID	Manager enters the product ID "A01"	The system displays the next question	The system displays the next question	Pass
	Manager enters an existing product ID	The system displays the error message 'This ID already exists! Please enter a new ID:' and prompts the manager to enter again	The system displays the error message 'This ID already exists! Please enter a new ID:' and prompts the manager to enter again	Pass
Enter the product name	Manager enters the "TV15"	The system displays the next question	The system displays the next question	Pass
Enter the number of available items	Manager enters "15"	The system displays the next question	The system displays the next question	Pass
	Manager enters "Fifteen"	The system displays the error message 'Invalid! Please enter a valid amount:' and prompts the manager to enter again	The system displays the error message 'Invalid! Please enter a valid amount:' and prompts the manager to enter again	Pass
	Manager enters 1.5	The system displays the error message 'Invalid! Please enter a valid amount:' and prompts the manager to enter again	The system displays the error message 'Invalid! Please enter a valid amount:' and prompts the manager to enter again	Pass
	Enter "Fifteen15"	The system displays the error message 'Invalid! Please enter	The system displays the error message 'Invalid! Please enter	Pass

		a valid amount:' and prompts the manager to enter again	a valid amount:' and prompts the manager to enter again	
Enter the price of the product	Manager enters 2000	The system displays the next question	The system displays the next question	Pass
	Manager enters "Two thousand"	The system displays the error message 'Invalid! Please enter a valid price:' and prompts the manager to enter again	The system displays the error message 'Invalid! Please enter a valid price:' and prompts the manager to enter again	Pass
	Manager enters "two00"	The system displays the error message 'Invalid! Please enter a valid price:' and prompts the manager to enter again	The system displays the error message 'Invalid! Please enter a valid price:' and prompts the manager to enter again	Pass
Enter the brand of the electronic product	Manager enters "Samsung"	The system displays the next question	The system displays the next question	Pass
Enter the warranty period of the electronic product	Manager enters 12	The system displays the next question	The system displays the next question	Pass
Enter the size of the clothing product	Manager enters "Large"	The system displays the next question	The system displays the next question	Pass
	Manager enters 12	The system displays the next question	The system displays the next question	Pass
Enter the color of the clothing product	Enter the cloth color	The system displays the next question	The system displays the next question	Pass
Delete a product				
Enter the product ID	Manager enters an existing product ID	The system displays the error message 'Product a01: dsa has	The system displays the error message 'Product a01: dsa has	Pass

		been deleted successfully From: Electronics Total number of products left: 0'	been deleted successfully From: Electronics Total number of products left: 0'	
	Manager enters a product ID which isn't in the system	The system displays the error message 'Product ID does not exist'	The system displays the error message 'Product ID does not exist'	Pass
	Press the Enter key without any input	The system displays 'This field cannot be empty' and prompts the user again	The system displays 'This field cannot be empty' and prompts the user again	Pass

Print the product list

Print the list of products in the system	Manager added one or more products into the system	The system prints all the products in the system in an alphabetical order	The system prints all the products in the system in an alphabetical order	Pass
	The product list does not have any products	The system returns to the main menu	The system returns to the main menu	Pass

Save products in a file

Save products in a file	Manager enters 4 to save product data in a file	The system displays the message 'List of products have been saved to file: ShoppingCartData.txt' and saves the product data in the ShoppingCartData.txt file	The system displays the message 'List of products have been saved to file: ShoppingCartData.txt' and saves the product data in the ShoppingCartData.txt file	Pass

Exit the console menu				
Exiting the console menu	Manager enters 5 to exit	The system exists by not showing the console menu options again	The system exists by not showing the console menu options again	Pass
Open shopping GUI				
Open the shopping GUI	Manager enters 6 to open and view the shopping GUI	The system loads and displays the Westminster shopping center GUI	The system loads and displays the Westminster shopping center GUI	Pass
GUI Implementation				
View products from categories				
Selecting a product category from the drop-down box	Selects 'All'	All the products in the system regardless of the category are displayed on the main page of the GUI	All the products in the system regardless of the category are displayed on the main page of the GUI	Pass
	Selecting "Electronics"	Electronic products in the system are displayed on the main page of the GUI	Electronic products in the system are displayed on the main page of the GUI	Pass
	Selecting "Clothing"	Clothing products in the system are displayed on the main page of the GUI	Clothing products in the system are displayed on the main page of the GUI	Pass
View product details				
View the details of a selected product	Click and select a product on the product list of the GUI	The details of the products such as the Product ID, Category, Name, Size, Colour, Items Available and price are displayed at the bottom panel of the GUI window	The details of the products such as the Product ID, Category, Name, Size, Colour, Items Available and price are displayed at the bottom panel of the GUI window	Pass

Add to Cart				
Add products to the shopping cart	Select a product and press the 'Add to Shopping Cart' button	The product is added to the user's cart and a dialog box pops up and displays "Product is in the cart!"	The product is added to the user's cart and a dialog box pops up and displays "Product is in the cart!"	Pass
	Presses the 'Add to Shopping Cart' Button without selecting a product	The system displays a dialog box with the message 'Please select a product!'	The system displays a dialog box with the message 'Please select a product!'	Pass
View the shopping cart				
Viewing the shopping cart	Clicks the 'Shopping Cart' button which is on the top of the GUI window	Displays the shopping cart with the added products and the total and discounted final prices	Displays the shopping cart with the added products and the total and discounted final prices	Pass
Apply Discounts				
Receive Discounts	User added three or more products from the same category to the cart	A 20% discount is shown and has been applied when calculating the final price	A 20% discount is shown and has been applied when calculating the final price	Pass