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Test Scenario Description	Test Case Description	Test Steps	Pre - Conditions	Expected Result	Test Data	Status
1. Adding Clothing Product	Adding an Electronic product Item to the System	Run the Program, select the product type, then add the item	Should Select a product type	Shows A Message as “Product added successfully.”	productid: 001 productName: Shirt availableItems: 10 price: 1500 size: XL color: Black	Passes
2. Removing Existing Clothing Product	Removing an Existing Product from the shopping center	Run the Program , Select Delete Product, Enter product ID	The existing ID of the product to be removed should be entered	Displays a message “ Clothing products with ID C001 have been deleted”.	Existing Product ID	Passes
3. Removing Non-Existing Product:	Removing a Non-Existing Product from the shopping center	Run the Program , Select Delete Product, Enter non-existing product ID	The non-existing ID of the product to be removed should be entered	Displays a message “Product not found.”	Non-Existing Product ID	Passes

4. Saving Products to File:	Saving Products to a File	Run Program , Select Save Products to File	Products in the shopping center	Displays a message “Products saved to file: product_data.dat	productid: 001 productName: Shirt availableItems: 10 price: 1500 size: XL color: Black	Passes
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5. Loading Products from File:	Loading Products from File	Run Program , Select Load Products from the File	There should be a valid file which is a data store	Displays a message "Products saved to file: product_data.dat"	product_data.dat	Passes
6.Input Validation - Invalid Product Type:	When wrong input is given while selecting the product type.	Run the Program, select the invalid product type,	Invalid product type provided	Displays a message "Invalid product type choice."	Invalid Product Type	Passes
7. Displaying Product List:	Validating the Appearance of the Product Classifications in the GUI.	Run the program, Verify the existence of the dropdown menu for selecting product categories.	Load data into GUI	Ensure that the combo box presents "Electronics" and "Clothing" as selectable options.	<p>Sample Electronics Product</p> <ul style="list-style-type: none"> product ID: E001, Product Name: TV, Available Items: 30, Price: 50\$, Brand: LG, Warranty Period: 12 <p>Sample Clothing Product</p> <ul style="list-style-type: none"> product ID: C001, Product Name: Shirt, Available Items: 40, Price:20.00, Size: M, 	Passes

					Color: Black	
8. Selecting a Product from the List:	Choosing a product from the table of available products.	Run the program. select on a row in the product listtable.	Load data into GUI, product listtable is visible.	The details panel must present information regarding the selected product, encompassing ID, Name, Available Items, Price, and additional details corresponding to the product type.	Sample Electronics Product <ul style="list-style-type: none"> product ID: E001, Product Name: TV, Available Items: 30, Price: 50\$, Brand: LG, Warranty Period: 12 Sample Clothing Product <ul style="list-style-type: none"> product ID: C001, Product Name: Shirt, Available Items: 40, Price: 20.00, Size: M, Color: Black 	Passes
9. Adding Product to Shopping Cart:	Adding a Product to the Shopping Cart.	Run the program . Select a product from the product listtable. Click on	Load data into GUI, The product list table is observable , and a product has been chosen. Then	The selected product should be added to the shopping cart.	Sample Electronics Product <ul style="list-style-type: none"> product ID: E001, Product Name: TV, Available Items: 30, Price: 50\$, Brand: LG, Warranty Period: 12 	Passes

		the "Add to Shopping Cart" button.	provide the quantity of the product		<p>Sample Clothing Product</p> <ul style="list-style-type: none"> product ID: C001, Product Name: Shirt, Available Items: 40, Price: 20.00, Size: M, Color: Black 	
10. Viewing Shopping Cart:	Displaying the Shopping Cart.	Run the program, select on the "Shopping	Load data into GUI, shopping cart button is visible.	Upon selection, a new window should open, showcasing the items in the shopping cart.	<p>Sample Electronics Product</p> <ul style="list-style-type: none"> product ID: E001, Product Name: TV, Available Items: 30, Price: 50\$, Brand: LG, Warranty Period: 12 <p>Sample Clothing Product</p> <ul style="list-style-type: none"> product ID: C001, Product Name: Shirt, Available Items: 40, Price: 20.00, Size: M, Color: Black 	Passes