Student name: Hiniduma Kapuge Thisari
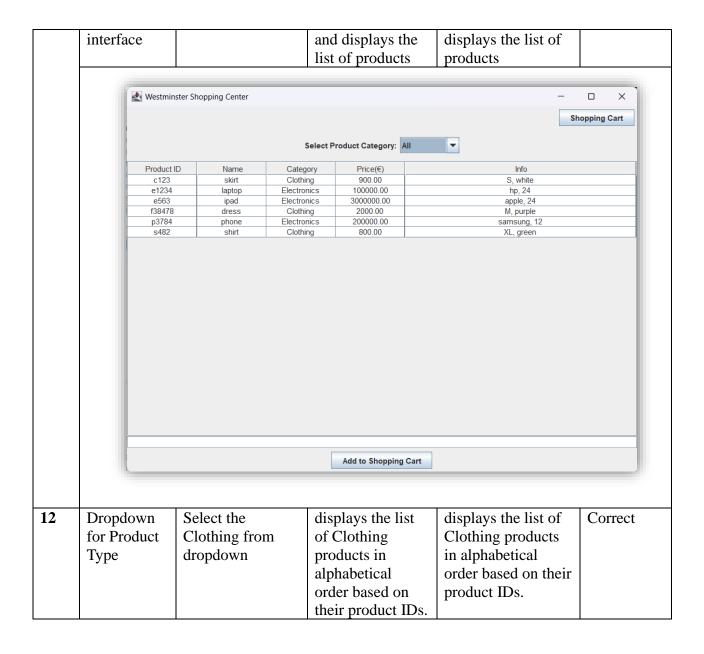
Student ID: 20221688 / w1956338
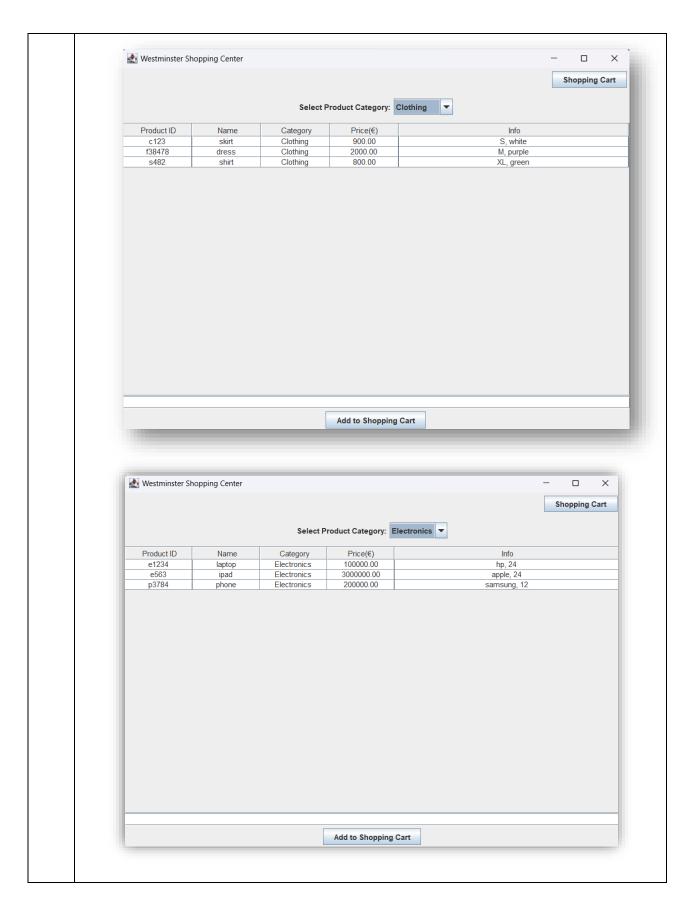
Test Plan – Shopping Management System
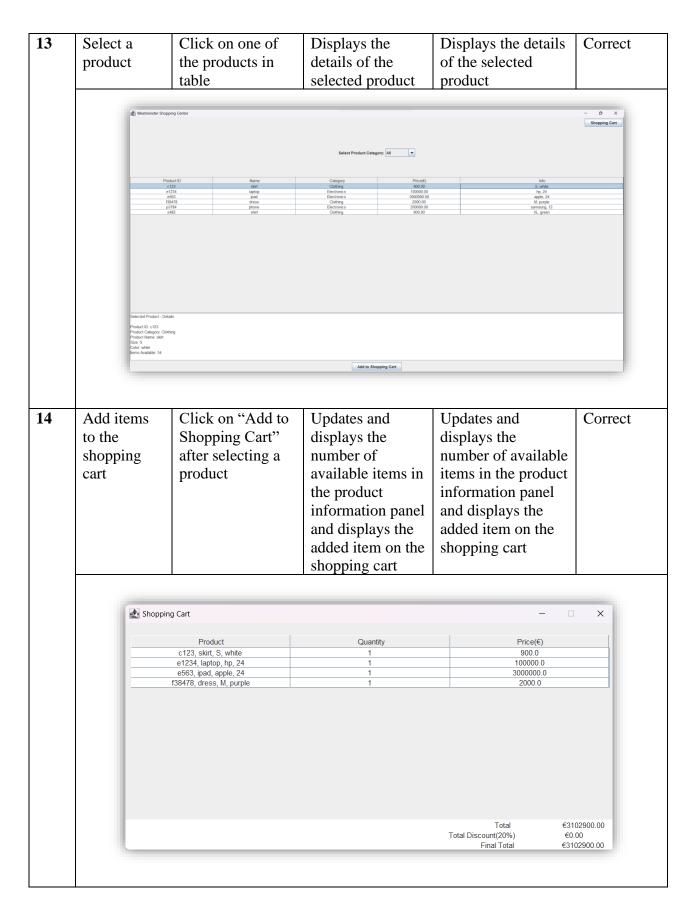
Task	Test Function	Test input	Expected output	Output Obtained	Comments
1	Display Console Menu	1:	Displays Westminster Shopping Menu with 6 options.	Displays Westminster Shopping Menu with 6 options.	Correct
2	Check input validations for Option.	1: 10	Displays "Invalid Option, Please Try Again! Please enter an option (1-6):"	Displays "Invalid Option, Please Try Again! Please enter an option (1-6):"	Correct
		2: abc	Displays "Invalid Input. Please enter a number. Please enter an option (1-6):"	Displays "Invalid Input. Please enter a number. Please enter an option (1-6):"	Correct
3	Check input validations for Choice to add a product.	1: abc	Displays "Invalid Option Please Try Again! Enter Your Choice (1 or 2):"	Displays "Invalid Option Please Try Again! Enter Your Choice (1 or 2):"	Correct
4	Add a clothing product.	1: Option 1 2: Choice 1 3: c1234 4: Skirt	Displays "Product Added Successfully!"	Displays "Product Added Successfully!"	Correct

		5: 50			
		6: 900			
		7: m			
		8: Black			
5	Add an Electronic product.	1: Option 1 2: Choice 2 3: e1234 4: Laptop 5: 60 6: Dell 7: 36	Displays "Product Added Successfully!"	Displays "Product Added Successfully!"	Correct
6	Check input validations for adding a product.	1: Option 1 2: Choice 1 3:@#$%^&*()	Displays "Invalid Product ID! Please enter a valid ID." Only allows alphanumeric characters (uppercase and lowercase) with a length between 1 and 10 characters.	Displays "Invalid Product ID! Please enter a valid ID." Only allows alphanumeric characters (uppercase and lowercase) with a length between 1 and 10 characters.	Correct
		1: Option 1 2: Choice 1 3: c1234 4: Skirt 5: abc	Displays "Invalid input. Please enter a valid number for available items. Enter Number of Available Items:"	Displays "Invalid input. Please enter a valid number for available items. Enter Number of Available Items:"	Correct

		1: Option 1 2: Choice 1 3: c1234 4: Skirt 5: 50 6: abc	Displays "Invalid input. Please enter a valid number for price. Enter Price:"	Displays "Invalid input. Please enter a valid number for price. Enter Price:"	Correct
		1: Option 1 2: Choice 1 3: c1234 4: Skirt 5: 50 6: 900 7: 32a	Displays "Invalid size! Please enter a valid size (XS, S, M, L, XL). Enter Product Size (XS, S, M, L, XL):"	Displays "Invalid size! Please enter a valid size (XS, S, M, L, XL). Enter Product Size (XS, S, M, L, XL):"	Correct
7	Delete a product	1: Option 2 2: c1234	Display "Product successfully deleted!" with deleted product details and displays the Total number of products left in the system	Display "Product successfully deleted!" with deleted product details and displays the Total number of products left in the system	Correct
8	Attempting to delete a product not in the system	1: Option 2 2: c000	Display "Product Not Found!" with the Total number of products left in the system	Display "Product Not Found!" with the Total number of products left in the system	Correct
9	Display the products	1: Option 3	Display the products in alphabetical order based on their product IDs with each product's details	Display the products in alphabetical order based on their product IDs with each product's details	Correct
10	Save products	1: Option 4	Display "Changes saved successfully!"	Display "Changes saved successfully!"	Correct
11	Open user	1: Option 5	Opens the GUI	Opens the GUI and	Correct

	interface		and displays the list of products	displays the list of products	

12	Dropdown for Product Type	Select the Clothing from dropdown	displays the list of Clothing products in alphabetical order based on their product IDs.	displays the list of Clothing products in alphabetical order based on their product IDs.	Correct

Westminster Shopping Center — □ ×

Shopping Cart

Select Product Category: Clothing ▼

Product ID	Name	Category	Price(€)	Info
c123	skirt	Clothing	900.00	S, white
f38478	dress	Clothing	2000.00	M, purple
s482	shirt	Clothing	800.00	XL, green

Add to Shopping Cart

Westminster Shopping Center — □ ×

Shopping Cart

Select Product Category: Electronics ▼

Product ID	Name	Category	Price(€)	Info
e1234	laptop	Electronics	100000.00	hp, 24
e563	ipad	Electronics	3000000.00	apple, 24
p3784	phone	Electronics	200000.00	samsung, 12

Add to Shopping Cart

13	Select a product	Click on one of the products in table	Displays the details of the selected product	Displays the details of the selected product	Correct

14	Add items to the shopping cart	Click on "Add to Shopping Cart" after selecting a product	Updates and displays the number of available items in the product information panel and displays the added item on the shopping cart	Updates and displays the number of available items in the product information panel and displays the added item on the shopping cart	Correct

| 15 | Final Total | Click on "Shopping Cart" | The final total is calculated and displayed, and the discount is applied. | The final total is calculated and displayed, and the discount is applied. | Correct |

Shopping Cart — □ ×

Product	Quantity	Price(€)
c123, skirt, S, white	3	900.0
e1234, laptop, hp, 24	1	100000.0
e563, ipad, apple, 24	1	3000000.0
f38478, dress, M, purple	1	2000.0

Total €3104700.00
Total Discount(20%) €540.00
Final Total €3104160.00