

## Test Plan – Westminster Shopping Center

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Test No	Action	Inputs	Expected Output	Actual Output	Test Result
CONSOLE					
1.	Add a new product	1	Ask the user to specify the product category	Enter 1 to Add an Electronic products Enter 2 to Add Clothing products	Pass
2.	Trying add a product entering an option out of range	10	Input is out of range	--Error. The option range is 1 to 2--	Pass
3.	Check input mismatch in entering the option in the menu	a	Please enter an integer.	--Please enter an integer.--	Pass
4.	Check Empty input as the option	[Enter]	Please enter an integer.	--Please enter an integer.--	Pass
5.	Entering an option out of range	10	Input is out of range	--Error. The option range is 1 to 6--	Pass
6.	Add an Electronic products	1	Enter the product ID	Enter a product ID starting with A or B (capitalized)	Pass

				followed by 3 numbers (e.g., A001, C237).	
7.	Check input mismatch in adding the electronic product	a	Please enter an integer.	--Please enter an integer.--	Pass
8.	Invalid product ID	A12	Invalid product ID format	Invalid product ID format Enter a product ID starting with A or B (capitalized) followed by 3 numbers (e.g., A001, C237).	Pass
9.	Entering an already existing ID	A123	ID already exists	--ID already Exists!Please enter a unique ID-- Enter a product ID starting with A or B (capitalized) followed by 3 numbers (e.g., A001, C237). Enter the ProductID:	Pass
10.	Entering valid unique ID	A001	Enter the product Name:	Enter the product Name:	Pass
11.	Check input mismatch in entering the product name	1111	Invalid input	--Invalid input. Please enter a valid input--	Pass

12.	Empty input as the product name	[Enter]	Invalid input	--Invalid input. Please enter a valid input--	Pass
13.	Entering a valid product name	fan	Enter the available item count:	Enter the available item count:	Pass
14.	Check input mismatch in entering the available item count	a	Please enter an integer.	--Please enter an integer.--	Pass
15.	Empty input as the available item count	[Enter]	Please enter an integer.	--Please enter an integer.--	Pass
16.	Entering a valid available item count	5	Enter the price:	Enter the price:	Pass
17.	Check input mismatch in entering the product price	bc	Please enter an integer.	--Please enter an integer--	Pass
18.	Empty input as the product price	[Enter]	Please enter an integer.	--Please enter an integer--	Pass
19.	Entering a valid product price	350	Enter the brand:	Enter the brand:	Pass
20.	Entering a string or alphanumerical value as the product brand	Softlogic23	Enter the warranty period:	Enter the warranty period:	Pass

21.	Empty input as the product brand	[Enter]	Please enter a valid input	--Please enter a valid input--	Pass
22.	Entering a valid warranty period	12	Display the menu again	<p>Electronic product added successfully.</p> <p>-----MENU-----</p> <p>Enter 1 to Add a new product</p> <p>Enter 2 to Delete a product</p> <p>Enter 3 to Print the list of products</p> <p>Enter 4 to Save products to a file</p> <p>Enter 5 to start the GUI</p> <p>Enter 6 to Exit the programme</p> <p>-----</p> <p>Select an option between (1-6):</p>	Pass
23.	Add a Clothing product	2	Enter the product ID	Enter a product ID starting with A or B (capitalized) followed by 3 numbers (e.g., A001, C237).	Pass
24.	Check input mismatch in	a	Please enter an integer.	--Please enter an integer.--	Pass

	adding the clothing product				
25.	Invalid product ID	b12	Invalid product ID format	Invalid product ID format Enter a product ID starting with A or B (capitalized) followed by 3 numbers (e.g., A001, C237).	Pass
26.	Entering an already existing ID	B123	ID already exists	--ID already Exists!Please enter a unique ID-- Enter a product ID starting with A or B (capitalized) followed by 3 numbers (e.g., A001, C237). Enter the ProductID:	Pass
27.	Entering valid unique ID	B001	Enter the product Name:	Enter the product Name:	Pass
28.	Check input mismatch in entering the product name	1111	Invalid name. Please enter a valid product name	--Invalid name. Please enter a valid product name--	Pass
29.	Empty input as the product name	[Enter]	Invalid name. Enter a valid product name	--Invalid name. Please enter a valid product name--	Pass

30.	Entering a valid product name	frock	Enter the available item count:	Enter the available item count:	Pass
31.	Check input mismatch in entering the available item count	a	Please enter an integer.	--Please enter an integer.--	Pass
32.	Empty input as the available item count	[Enter]	Please enter an integer.	--Please enter an integer.--	Pass
33.	Entering a valid available item count	5	Enter the price:	Enter the price:	Pass
34.	Check input mismatch in entering the product price	bc	Please enter an integer.	--Please enter an integer--	Pass
35.	Empty input as the product price	[Enter]	Please enter an integer.	--Please enter an integer--	Pass
36.	Entering a valid product price	350	Enter the size:	Enter the size:	Pass
37.	Entering a valid size	M	Enter the colour:	Enter the colour	Pass
38.	Entering an invalid size	w	Enter a valid size	Please enter the correct size Please enter the size S - Small M - Medium L - Large XL - Extra large	Pass

				Enter the first letter of the size(Ex: small = s):	
39.	Entering a valid product colour		Display the main menu	<p>Clothing product frock added Successfully!</p> <p>-----MENU-----</p> <p>Enter 1 to Add a new product Enter 2 to Delete a product Enter 3 to Print the list of products Enter 4 to Save products to a file Enter 5 to start the GUI Enter 6 to Exit the programme</p> <p>-----</p> <p>Select an option between (1-6):</p>	Pass
40.	Delete a product	2	Enter the product ID of the product you would like to delete:	<p>The product names and product IDs of the added products are listed below</p> <p>Camera A123 frock B123 fan A124</p>	Pass

				Enter the product ID of the product you would like to delete:	
41.	Entering a non-existing product ID	A999	Product not found	Product with ID A999 does not exist. Enter the product ID of the product you would like to delete:	Pass
42.	Entering a valid product ID that exists	A123	Product that holds Product ID A123 successfully deleted	Electronics Product that holds Product ID A123 has been deleted Successfully	Pass
43.	Print the list of products	3	<p>Products printed in the ascending order of the product ID with the relevant product details. First the product category should be displayed.</p> <p>Ex:</p> <p>productCategory= Electronics  productID= A124  productName= camera  brand= 1  warrantyPeriod= 5.0  availableItemCount= 3  price= 250.0</p>	<p>----Products are printed in ascending order of the product ID----</p> <p>----List of Products : ----</p> <p>productCategory= Electronics  productID= A124  productName= camera  brand= 1  warrantyPeriod= 5.0  availableItemCount= 3  price= 250.0</p>	Pass



				<p>The productCategory is = Clothing productID= B123 productName= skirt size= s colour= blue availableItemCount= 2 price= 3.0</p> <p>The productCategory is = Clothing productID= B125 productName= tshirt size= m colour= white availableItemCount= 45 price= 33.0</p>	
44.	Save products to a file	4	Saved to the file successfully	Saved to the file successfully	Pass
45.	Exit the program	6	Exit the program.	Exit the program.	Pass
GUI					
46.	Start the GUI	5	Display the GUI	Print to the console”The	Pass

				Graphical User Interface starts Now.”  The GUI starts from the Login page	
47.	A new user tries to login	Username: Amadee Password: 1243 <Enter> Login	Invalid username password.	Invalid username password.	Pass
48.	A new user enters the sign up option in the login page	<Enter> SignUp	Redirected to the SignUp page	Redirected to the SignUp page	Pass
49.	A new user leaves the fields empty and try to signUP	Username: Password: <Enter> SignUp	Display an error message	Display an error message. “Please fill out all the fields”	Pass
50.	Enter the username and password to SignUp for the first time.	Username :Amadee Password: 1243	Directed to the Login Page	Directed to the Login page  <In the console displays> Username: Amadee Password: 1243 User details saved to file.	Pass
51.	Enter the username and password to	Username :Amadee	Directed to the Westminster	Directed to the Westminster	Pass

	Login to shopping center.	Password: 1243	Shopping Center Page	Shopping Center Page	
52.	Select product Category All	<Select product Category >All	All the products will be displayed in the table	All the products display in the table	Pass
53.	Select product Category Electronics	<Select product Category >Electronics	Only the <b>Electronics</b> products will be displayed in the table	Only the <b>Electronics</b> products will be displayed in the table	Pass
54.	Select product Category Clothing	<Select product Category >Clothing	Only the <b>Clothing</b> products will be displayed in the table	Only the <b>Clothing</b> products will be displayed in the table	Pass
55.	Select a product from the table	<Select a product from the table>	Product details will be displayed on the below panel	Product details display on the below panel	Pass
56.	Add a product to the shopping cart	<Press Add to shopping cart>	Selected product will be added to the shopping cart and the product details will be displayed in the shopping cart table	Selected product will be added to the shopping cart and the product details will be displayed in the shopping cart table	Pass
57.	Open Shopping cart	<Press Shopping cart button>	The selected product details ,the discount details and the final price will be displayed	The selected product details ,the discount details and the final price will be displayed	Pass
58.	Close the Westminster	<Press close button on	Quit the application	Quit the application	Pass

	Shopping center	<i>the frame of Westminster shopping center&gt;</i>			
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