

Module: 5COSC019C.1 Object Oriented Programming

Coursework

Name : Sasanka Bandara

IIT ID : 20220496

UOW ID: w1998841

Tutorial group: G8

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Test cases for option 1

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
01	Add product to the system. Category : 1 Product Id: "E001" Product Name: Laptop No of Products Available: 10 Price: 150 Brand: Dell Warranty in weeks: 52	1.Select 1 as menu option. 2.Enter category. 3. Enter other details	Display "Laptop Added to the system."	Display "Laptop Added to the system."	Pass
02	Add product to the system. Category : 1 Product Id: "E001" Product Name: Laptop No of Products Available: 10 Price: 150 Brand: Dell Warranty in weeks: 52	1.Select 1 as menu option. 2.Enter category. 3. Enter other details	Display "Entered product is already available...." error message.	Display "Entered product is already available...." error message.	Pass

03	Add product to the system. Category : 1 Product Id: "E002" Product Name: Laptop No of Products Available: abc	1.Select 1 as menu option. 2.Enter category. 3. Enter number of products available	Display "Invalid input! Try again" and addproduct method.	Display "Invalid input! Try again" and addproduct method.	Pass
04	Add product to the system. Category : 1 Product Id: "E002" Product Name: Laptop No of Products Available: 10 Price : abc	1.Select 1 as menu option. 2.Enter product Id. 3.Enter Product Name. 4.Enter no of available products. 5.Enter price	Display "Invalid input! Try again" and addproduct method.	Display "Invalid input! Try again" and addproduct method.	Pass
05	Add product to the system. Category : 3	1.Select 1 as menu option. 2.Enter category 3	Display "Invalid product type.! Try again.."	Display "Invalid product type.! Try again.."	Pass

06	<p>Add product to the system.</p> <p>Category : Two</p>	<p>1.Select 1 as menu option.</p> <p>2 . enter two as category</p>	Display “Invalid input! Try again”	Display “Invalid input! Try again”	Pass
07	<p>Add product to the system.</p> <p>Category : 1</p> <p>Product Id: “E002”</p> <p>Product Name: Laptop</p> <p>No of Products Available: 10</p> <p>Price: 150</p> <p>Brand: Dell</p> <p>Warranty in weeks: Fifty two</p>	<p>1.Select 1 as menu option.</p> <p>2.Enter product Details</p> <p>3. enter warranty as fifty two</p>	Display “Invalid input! Try again”	Display “Invalid input! Try again”	Pass
08	<p>Product Id: C002</p> <p>Product Name: Shirt</p> <p>No of Products Available: 10</p> <p>Price: 10</p> <p>Size of cloth: 10</p>	<p>1.Select 1 as menu option.</p> <p>2.Enter product details</p> <p>3.Enter cloth size as 10.</p>	Display “Size cannot contain numbers! Try again”	Display “Size cannot contain numbers! Try again”	Pass

09	Product Id: C002 Product Name: Shirt No of Products Available: 10 Price: 10 Size of cloth: 10 Colour of cloth: 2	1.Select 1 as menu option. 2.Enter product details 3.Enter colour of cloth.	Display “Colour cannot contain numbers! Try again”	Display “Colour cannot contain numbers! Try again”	Pass
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Test cases for menu option 2

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
01	Enter menu option 2 Enter Product ID that needs to delete : E001	1.Select 2 as menu option. 2. Enter the ID of the product	Display “Type: Electronics Product Laptop that have E001 Id removed from the shop...”	Display “Type: Electronics Product Laptop that have E001 Id removed from the shop...”	Pass
02	(When there is no product with product ID) Enter Product ID that needs to delete : E002	1.Select 2 as menu option. 2. Enter the ID of the product.	Display “Shop is empty.. Product with ID E002 not found..”	Display “Shop is empty.. Product with ID E002 not found..”	Pass

Test cases for task 3

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
01	<p>Enter 3 in menu options</p> <p>Available items in the system</p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2</p>	1.Select 3 as menu option.	<p>Display “----Product list---- Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2”</p>	<p>Display “----Product list---- Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2”</p>	Pass
02	<p>Enter 3 in menu options</p> <p>There are no products in the system</p>	1.Select 3 as menu option.	Display “Product list is empty..”	Display “Product list is empty..”	Pass

Test cases for menu option 4

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
01	<p>Available items in the system</p> <p>Type: Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2</p> <p>Enter 4 in menu options</p>	1.Select 4 as menu option.	<p>Display “Data saved successfully..”</p> <p>Data saved into a textfile called ProductListOfSystem.txt</p>	<p>Display “Data saved successfully..”</p> <p>Data saved into a textfile called ProductListOfSystem.txt</p>	Pass
02	<p>Enter 4 in menu options</p> <p>There are no products in the system</p>	1.Select 4 as menu option.	Display “No Products in the system”	Display “No Products in the system”	Pass

Test case for menu option 5

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
01	<p>Available items in the text file</p> <p>Type: Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2</p> <p>Enter 4 in menu options</p>	1. Select 5 as menu option.	<p>Display "Information loaded to the system."</p> <p>Data loaded from a textfile called ProductListOfSystem.txt</p>	<p>Display "Information loaded to the system."</p> <p>Data loaded from a textfile called ProductListOfSystem.txt</p>	Pass

Test case for menu option 6

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
01	<p>Available products in the system</p> <p><u>Product 01</u></p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p><u>Product 02</u></p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2</p>	1.Select 6 as menu option.	<p>Open GUI (JTable headings: Product ID, Product Name, Category, Price info)</p> <p><u>JTable row 01:</u></p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p><u>JTable row 02:</u></p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2</p>	<p>Open GUI (JTable headings: Product ID, Product Name, Category, Price info)</p> <p><u>JTable row 01:</u></p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p><u>JTable row 02:</u></p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2</p>	Pass
02	<p>Available products in the system</p> <p><u>Product 01</u></p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p>	<p>1.Select 6 as menu option.</p> <p>2. Select Electronics as the product category from the drop-down menu.</p>	<p>Open GUI Change category to Electronic</p> <p>(JTable headings: Product ID, Product Name, Category, Price info)</p> <p><u>JTable row 01:</u></p> <p>Type: Electronics Product name: Laptop Product ID: E001</p>	<p>Open GUI Change category to Electronic</p> <p>(JTable headings: Product ID, Product Name, Category, Price info)</p> <p><u>JTable row 01:</u></p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £</p>	Pass

	<u>Product 02</u> Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2		Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2	Brand: Dell Warranty period: 12 weeks Number of available Items: 2	
03	When no products in the system	1.Select 6 as menu option.	Open GUI (JTable headings: Product ID, Product Name, Category, Price info) Empty GUI table	Open GUI (JTable headings: Product ID, Product Name, Category, Price info) Empty GUI table	Pass
04	Available products in the system <u>Product 01</u> Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 2 <u>Product 02</u> Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 5	1.Select 6 as menu option.	Open GUI (JTable headings: Product ID, Product Name, Category, Price info) Table's01 row background is printed with red color. <u>JTable row 01:</u> Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 2 <u>JTable row 02:</u> Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 5	Open GUI (JTable headings: Product ID, Product Name, Category, Price info) Table's01 row background is printed with red color. <u>JTable row 01:</u> Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 2 <u>JTable row 02:</u> Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 5	Pass

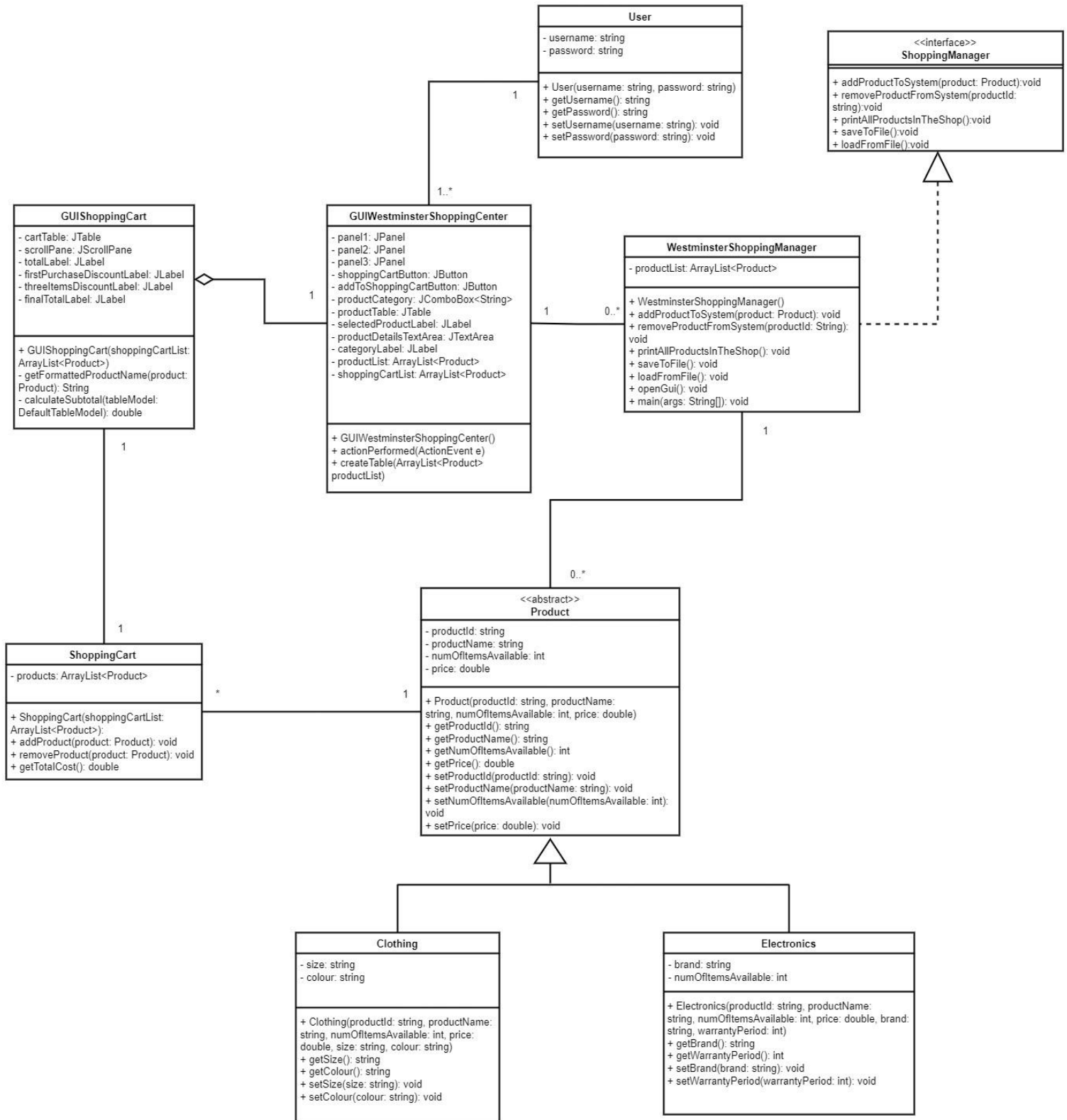
05	<p>Available products in the system</p> <p><u>Product 01</u></p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 2</p> <p><u>Product 02</u></p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 5</p>	<p>1.Select 6 as menu option.</p> <p>2. Press on that C001 product row on the table.</p>	<p><u>(JText Field:</u></p> <p>Selected product details</p> <p>Product ID: C001 Name: Shirt Category: Clothing Price: 29.99 Size: M Colour: Blue Number of available Items: 5</p>	<p><u>JText Field:</u></p> <p>Selected product details</p> <p>Product ID: C001 Name: Shirt Category: Clothing Price: 29.99 Size: M Colour: Blue Number of available Items: 5</p>	Pass
06	<p>Available products in the system</p> <p><u>Product 01</u></p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 2</p> <p><u>Product 02</u></p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell</p>	<p>1.Select 6 as menu option.</p> <p>2. Press on that specific product.</p> <p>3.Then press add to cart button.</p>	<p>Display a popup message as "Selected product added to cart" with "OK" button.</p>	<p>Display a popup message as "Selected product added to cart" with "OK" button.</p>	Pass

	Warranty period: 12 weeks Number of available Items: 5				
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Test case for GUI shopping cart

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
01	<p>Available items in the text file</p> <p>Type:Clothing Product name: Shirt Product ID: C001 Price: 29.99 £ Size: M Colour: Blue Number of available Items: 5</p> <p>Type: Electronics Product name: Laptop Product ID: E001 Price: 999.99 £ Brand: Dell Warranty period: 12 weeks Number of available Items: 2</p> <p>Enter 4 in menu options</p>	1.Select 5 as menu option.	<p>Display “Information loaded to the system.”</p> <p>Data lodad from a textfile called ProductListOfSystem.txt</p>	<p>Display “Information loaded to the system.”</p> <p>Data lodad from a textfile called ProductListOfSystem.txt</p>	Pass

Class Diagram



Use case diagram.

