



**INFORMATICS  
INSTITUTE OF  
TECHNOLOGY**

## **TEST PLANS FOR ICW OOP**

**Name : B.J.A.Karunarathna**

**IIT ID : 20220547**

**Westminster No : 20220547**

### Test cases for console menu option 01

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#01	Product Id: w10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: 1 (Electronic)  Brand: Orange  Warranty in month: 10	1.Select 1 as menu option.  2.Enter product Id.  3.Enter Product Name.  4.Enter no of available products.  5.Enter price  6.Enter product type Id  7.Enter brand name  8.Enter warranty	Display “Product added successfully.”	Display “Product added successfully.”	Pass
#02	Product Id: 10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: 1 (Electronic)  Brand: Orange  Warranty in month: 10	1.Select 1 as menu option.  2.Enter String product Id.	Display “Invalid input. Enter String type product id.” error message.	Display “Invalid input. Enter String type product id.” error message.	Pass

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#03	Product Id: w10 Product Name: 1	1.Select 1 as menu option. 2.Enter String product Id. 3.Enter Product Name.	Display “Invalid input. Enter String type product name.” error message.	Display “Invalid input. Enter String type product id.” error message.	Pass
#04	Product Id: w10 Product Name: CFL Bulb No of Products Available: six	1.Select 1 as menu option. 2.Enter product Id. 3.Enter Product Name. 4.Enter no of available products.	Display “Invalid input. Enter integer type value.”	Display “Invalid input. Enter integer type value.”	Pass
#05	Product Id: w10 Product Name: CFL Bulb No of Products Available: 10 Price: Twenty	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. Enter double or integer type value.”	Display “Invalid input. Enter double or integer type value.”	Pass

#06	Product Id: w10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: Two	1.Select 1 as menu option.  2.Enter product Id.  3.Enter Product Name.  4.Enter no of available products.  5.Enter price  6.Enter product type Id	Display "Invalid input. Enter integer type value."	Display "Invalid input. Enter integer type value."	Pass
#07	Product Id: w10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: 3	1.Select 1 as menu option.  2.Enter product Id.  3.Enter Product Name.  4.Enter no of available products.  5.Enter price  6.Enter product type Id	Display "You can only enter 01 or 02 as the product type according to your product."	Display "You can only enter 01 or 02 as the product type according to your product."	Pass

#08	Product Id: w10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: 1 (Electronic)  Brand: 2	1.Select 1 as menu option.  2.Enter product Id.  3.Enter Product Name.  4.Enter no of available products.  5.Enter price  6.Enter product type Id  7.Enter brand name.	Display "Invalid input. Enter String type brand name." error message.	Display "Invalid input. Enter String type brand name." error message.	Pass
#09	Product Id: w10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: 1 (Electronic)  Brand: Orange  Warranty in month: Six	1.Select 1 as menu option.  2.Enter product Id.  3.Enter Product Name.  4.Enter no of available products.  5.Enter price  6.Enter product type Id  7.Enter brand name.  8.Enter warranty.	Display "Invalid input. Enter integer type value."	Display "Invalid input. Enter integer type value."	Pass

#10	Product Id: w10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: 2 (clothing)  Size of cloth: 2	1.Select 1 as menu option.  2.Enter product Id.  3.Enter Product Name.  4.Enter no of available products.  5.Enter price  6.Enter product type Id.  7.Enter cloth size.	Display “Invalid input. Enter String type clothing size.”	Display “Invalid input. Enter String type clothing size.”	Pass
#11	Product Id: w10  Product Name: CFL Bulb  No of Products Available: 10  Price: 10  Product type: 2 (clothing)  Size of cloth: Small  Colour of cloth: 2	1.Select 1 as menu option.  2.Enter product Id.  3.Enter Product Name.  4.Enter no of available products.  5.Enter price  6.Enter product type Id.  7.Enter cloth size.  8.Enter colour of cloth.	Display “Invalid input. Enter String type colour.”	Display “Invalid input. Enter String type clothing colour.”	Pass

## Test cases for Menu option 2

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#01	(There is a product with product ID w10 already stored in the system.)  Product ID wanted to delete: w10	1.Select 2 as menu option.  2. Enter the ID of the product wanted to delete.	Display “Product with product ID 10 deleted from the system.”	Display “Product with product ID 10 deleted from the system.”	Pass
#02	(There is no product stored in the system with product ID w20.)  Product ID wanted to delete: w20	1.Select 2 as menu option.  2. Enter the ID of the product wanted to delete.	Display “No product found with product ID.”	Display “No product found with product ID.”	Pass
#03	Product ID wanted to delete: 9	1.Select 2 as menu option.  2. Enter the ID of the product wanted to delete.	Display “Invalid input. Enter product’s string type product Id.”	Display “Invalid input. Enter product’s string type product Id.”	Pass

### Test cases for option 03: Print the list of the products

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#01	<p>(There are two products are already stored in the system with bellow details</p> <p><b><u>Product 01</u></b></p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>Product 02</u></b></p> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	1.Select 3 as menu option.	<p>Display already stored product details successfully.</p> <p><b>(Products Data List</b></p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <hr/> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	<p>Display already stored product details successfully.</p> <p><b>(Products Data List</b></p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <hr/> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	Pass



### Test cases for option 04 'Save in a file'

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#01	<p>(There is a one product already stored in the system with bellow details</p> <p>Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1</p> <p>Still there is no any text file to store product detail)</p>	1.Select 4 as menu option.	<p>A new text file named "Product Data" will be created. The following product data is stored there.</p> <p>(Type: Electronics Product ID: w12 Product Name: LED bulb Number of available items: 10 Price: £2.0 Brand: Orange Warranty: 1)</p>	<p>A new text file named "Product Data" will be created. The following product data is stored there.</p> <p>(Type: Electronics Product ID: w12 Product Name: LED bulb Number of available items: 10 Price: £2.0 Brand: Orange Warranty: 1)</p>	Pass
#02	<p>(There is a one product already stored in the system with bellow details</p> <p>Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1</p> <p>There is an existing text file to store product details)</p>	1.Select 4 as menu option.	<p>An existing text file named "Product Data" will be updated according to new product details. The following product data is stored there.</p> <p>(Type: Electronics Product ID: w12 Product Name: LED bulb Number of available items: 10 Price: £2.0 Brand: Orange Warranty: 1)</p>	<p>An existing text file named "Product Data" will be updated according to new product details. The following product data is stored there.</p> <p>(Type: Electronics Product ID: w12 Product Name: LED bulb Number of available items: 10 Price: £2.0 Brand: Orange Warranty: 1)</p>	Pass

### Test cases for option 05 'Read back from file

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#01	(There is a one product already stored in the text file with bellow details  Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1)	1.Select 5 as menu option.	The message "File loaded successfully" will appear. The file data was added back to the array without clones.	The message "File loaded successfully" will appear. The file data was added back to the array without clones.	Pass
#02	(The product details text file is not found)	1.Select 5 as menu option.	The message "Error loading the txt file: " will appear. The file data was not added back to the array.	The message " Error loading the txt file: " will appear. The file data was not added back to the array.	Pass
#03	(There are no any products stored in the text file)	1.Select 5 as menu option.	The message "There are no products at the cart" will appear.	The message "There are no products at the cart" will appear.	Pass

## Test cases for GUI product details frame

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#01	<p>(There are two products are already stored in the system with bellow details</p> <p><b><u>Product 01</u></b></p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>Product 02</u></b></p> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	1.Select 6 as menu option.	<p>Opening GUI and Display available products with its details in a Jtable. Also there is a buttons called “Shopping cart” and “Add to cart”. Other than that there is a scrolling menu with types of items. Under the Jtable there is an empty JTextField.</p> <p><b><u>JTable headings:</u></b> Product ID, Product Name, Category, Price info</p> <p><b><u>JTable row 01:</u></b> Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>JTable row 02:</u></b> Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	<p>Opening GUI and Display available products with its details in a Jtable. Also there is a buttons called “Shopping cart” and “Add to cart”. Other than that there is a scrolling menu with types of items. Under the Jtable there is an empty JTextField.</p> <p><b><u>JTable headings:</u></b> Product ID, Product Name, Category, Price info</p> <p><b><u>JTable row 01:</u></b> Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>JTable row 02:</u></b> Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	Pass

#02	<p>(There are two products are already stored in the system with bellow details</p> <p><b><u>Product 01</u></b></p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>Product 02</u></b></p> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	<p>1.Select 6 as menu option.</p> <p>2. Select Electronics as the product category from the drop-down menu.</p>	<p>Update the product table only with electronic product type details.</p> <p><b><u>(JTable headings:</u></b></p> <p>Product ID, Product Name, Category, Price info</p> <p><b><u>JTable row 01:</u></b></p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p>	<p>Update the product table only with electronic product type details.</p> <p><b><u>(JTable headings:</u></b></p> <p>Product ID, Product Name, Category, Price info</p> <p><b><u>JTable row 01:</u></b></p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p>	Pass
-----	--	---	---	---	------

#03	<p>(There are two products already stored in the system with bellow details</p> <p><b><u>Product 01</u></b></p> <p>Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1</p> <p><b><u>Product 02</u></b></p> <p>Product ID: w13 Product Name: Puma Available Quantity: 3 Price: £4.0 Type of product: clothing Size of cloth: XL Colour of cloth: Red)</p>	<p>1.Select 6 as menu option.</p> <p>2. Select Clothing as the product category from the drop-down menu.</p>	<p>Updated the product table only with clothing product type details.</p> <p><b><u>(JTable headings:</u></b></p> <p>Product ID, Product Name, Category, Price info</p> <p><b><u>JTable row 02:</u></b></p> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	<p>Updated the product table only with clothing product type details.</p> <p><b><u>(JTable headings:</u></b></p> <p>Product ID, Product Name, Category, Price info</p> <p><b><u>JTable row 02:</u></b></p> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	Pass
#04	<p>(There is no any product stored in the system with bellow details)</p>	<p>1.Select 6 as menu option.</p>	<p>Opening GUI and Display empty Jtable only with headers. Also there is a buttons called “Shopping cart” and “Add to cart”. Under the Jtable there is an empty JTextField. Other than that there is a scrolling menu with types of items.</p>	<p>Opening GUI and Display empty Jtable only with headers. Also there is a buttons called “Shopping cart” and “Add to cart”. Under the Jtable there is an empty JTextField. Other than that there is a scrolling menu with types of items.</p>	Pass

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#05	<p>(There are two products are already stored in the system with bellow details</p> <p><b><u>Product 01</u></b></p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p><b><u>Available Quantity: 2</u></b></p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>Product 02</u></b></p> <p>Product ID: w13</p> <p>Product Name: Puma</p> <p><b><u>Available Quantity: 3</u></b></p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	1.Select 6 as menu option.	<p>Open a JFrame and inside it displays the products of a Jtable with their details. Product table's product 01 row is printed with red color background. Also, there are "Shopping cart" and "Add to cart" buttons. There is an empty JTextField under the Jtable.</p> <p><b><u>(JTable headings:</u></b> Product ID, Product Name, Category, Price info <b><u>JTable row 01:</u></b> Product Name: LED Bulb</p> <p>Available Quantity: 2</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>JTable row 02:</u></b> Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	<p>Open a JFrame and inside it displays the products of a Jtable with their details. Product table's product 01 row is printed with red color background. Also, there are "Shopping cart" and "Add to cart" buttons. There is an empty JTextField under the Jtable.</p> <p><b><u>(JTable headings:</u></b> Product ID, Product Name, Category, Price info <b><u>JTable row 01:</u></b> Product Name: LED Bulb</p> <p>Available Quantity: 2</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p> <p><b><u>JTable row 02:</u></b> Product ID: w13</p> <p>Product Name: Puma</p> <p>Available Quantity: 3</p> <p>Price: £4.0</p> <p>Type of product: clothing</p> <p>Size of cloth: XL</p> <p>Colour of cloth: Red)</p>	Pass

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#06	<p>(There is a one product already stored in the system with bellow details</p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</p>	<p>1.Select 6 as menu option.</p> <p>2. Press on that specific product.</p>	<p>The JTextField located under the Jtable displays the relevant product details.</p> <p><b><u>(JText Field:</u></b></p> <p>Product Details:</p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity:10</p> <p>Price: £2.0</p> <p>Brand: Orange</p> <p>Warranty Period in months: 1</p>	<p>The JTextField located under the Jtable displays the relevant product details.</p> <p><b><u>(JText Field:</u></b></p> <p>Product Details:</p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity:10</p> <p>Price: £2.0</p> <p>Brand: Orange</p> <p>Warranty Period in months: 1</p>	Pass
#07	<p>(There is a one product already stored in the system with bellow details</p> <p>Product ID: w12</p> <p>Product Name: LED Bulb</p> <p>Available Quantity: 10</p> <p>Price: £2.0</p> <p>Type of product: Electronics</p> <p>Brand of product: Orange</p> <p>Warranty period of product in months: 1</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 "Product added to cart" with "OK" button.</p>	<p>Display a popup message as "Product added to cart" with "OK" button.</p>	Pass

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#08	<p>(There is a one product already stored in the system with bellow details</p> <p>Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1</p>	<p>1.Select 6 as menu option.</p> <p>2.Then press add to cart button.</p>	Display a popup message as "Please select a product." with "OK" button.	Display a popup message as "Please select a product." with "OK" button.	Pass
#09	(There is no any product stored in the system with bellow details)	<p>1.Select 6 as menu option.</p> <p>2.Then press add to cart button.</p>	Display a popup message as "Please select a product." with "OK" button.	Display a popup message as "Please select a product." with "OK" button.	Pass



## Test Cases for Shopping cart frame

Test case	Inputs	Steps	Expected Output	Actual Output	Remark
#01	<p>(There is a one product added to the shopping cart with bellow details</p> <p>Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1)</p>	<p>1.Select 6 as menu option.</p> <p>2.Select a product Press add to cart button.</p> <p>3.Then press shopping cart button.</p>	<p>Open a JFrame and added products with its details in a Jtable. Under the Jtable there is an JTextField with the details of Price without adding discount, discount value, Price after the discount.</p> <p><b><u>(JTable headings:</u></b></p> <p>Product, Quantity, Total price</p> <p><b><u>JTable row 01:</u></b></p> <p>Product: w12, LED Bulb</p> <p>Quantity: 1</p> <p>Price: £2.0</p> <p><b><u>JTextField:</u></b></p> <p>Price without adding discount: \$2.0 Discount value: \$0.0 Price after the discount: \$2.0</p>	<p>Open a JFrame and added products with its details in a Jtable. Under the Jtable there is an JTextField with the details of Price without adding discount, discount value, Price after the discount.</p> <p><b><u>(JTable headings:</u></b></p> <p>Product, Quantity, Total price</p> <p><b><u>JTable row 01:</u></b></p> <p>Product: w12, LED Bulb</p> <p>Quantity: 1</p> <p>Price: £2.0</p> <p><b><u>JTextField:</u></b></p> <p>Price without adding discount: \$2.0 Discount value: \$0.0 Price after the discount: \$2.0</p>	Pass
#02	<p>(The same product was added to the shopping cart twice</p> <p>Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange</p>	<p>1.Select 6 as menu option.</p> <p>2.Select a product and Press add to cart button twice.</p> <p>3.Then press shopping cart button.</p>	<p>Open a JFrame and added products with its details in a Jtable. Under the Jtable there is an JTextField with the details of Price without adding discount, discount value, Price after the discount.</p> <p><b><u>(JTable headings:</u></b></p> <p>Product, Quantity, Total price</p>	<p>Display a popup message as "Please select a product." with "OK" button.</p>	Pass

	Warranty period of product in months: 1		<b>JTable row 01:</b> Product: w12, LED Bulb  Quantity: 2  Price: £4.0  <b>JTextField:</b>  Price without adding discount: \$4.0 Discount value: \$0.0 Price after the discount: \$4.0		
#03	(Three products of the same category have been added once to the shopping cart with the details below.  Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1  Product ID: w13 Product Name: CFL Bulb Available Quantity: 4 Price: £1.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1	1.Select 6 as menu option.  2.Select a product and Press add to cart button.  3.Then press shopping cart button.	Open a JFrame and added products with its details in a Jtable. Under the Jtable there is an JTextField with the details of Price without adding discount, discount value, Price after the discount.  <b>(JTable headings:</b>  Product, Quantity, Total price  <b>JTable row 01:</b> Product: w12, LED Bulb  Quantity: 1  Price: £2.0  <b>JTable row 02:</b> Product: w13, CFL Bulb  Quantity: 1  Price: £1.0	Open a JFrame and added products with its details in a Jtable. Under the Jtable there is an JTextField with the details of Price without adding discount, discount value, Price after the discount.  <b>(JTable headings:</b>  Product, Quantity, Total price  <b>JTable row 01:</b> Product: w12, LED Bulb  Quantity: 1  Price: £2.0  <b>JTable row 02:</b> Product: w13, CFL Bulb  Quantity: 1  Price: £1.0	Pass

	Product ID: w14 Product Name: Holder Available Quantity: 3 Price: £1.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1)		<b><u>JTable row 03:</u></b> Product: w14, Holder  Quantity: 1  Price: £1.0  <b><u>JTextField:</u></b>  Price without adding discount: \$4.0 Discount value: \$0.7999999999999998 Price after the discount: \$3.2	<b><u>JTable row 03:</u></b> Product: w14, Holder  Quantity: 1  Price: £1.0  <b><u>JTextField:</u></b>  Price without adding discount: \$4.0 Discount value: \$0.7999999999999998 Price after the discount: \$3.2	
#04	(Three products of the same category have been added once to the shopping cart with the details below.  Product ID: w12 Product Name: LED Bulb Available Quantity: 10 Price: £2.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1  Product ID: w13 Product Name: CFL Bulb Available Quantity: 4 Price: £1.0 Type of product: Electronics Brand of product: Orange Warranty period of product in months: 1	1.Select 6 as menu option.  2.Select a product and Press add to cart button.  3.Then press shopping cart button.	Open a JFrame and added products with its details in a Jtable. Under the Jtable there is an JTextField with the details of Price without adding discount, discount value, Price after the discount.  <b><u>(JTable headings:</u></b>  Product, Quantity, Total price  <b><u>JTable row 01:</u></b> Product: w12, LED Bulb  Quantity: 1  Price: £2.0  <b><u>JTable row 02:</u></b> Product: w13, CFL Bulb  Quantity: 1  Price: £1.0	Open a JFrame and added products with its details in a Jtable. Under the Jtable there is an JTextField with the details of Price without adding discount, discount value, Price after the discount.  <b><u>(JTable headings:</u></b>  Product, Quantity, Total price  <b><u>JTable row 01:</u></b> Product: w12, LED Bulb  Quantity: 1  Price: £2.0  <b><u>JTable row 02:</u></b> Product: w13, CFL Bulb  Quantity: 1  Price: £1.0	Pass

	Product ID: w14 Product Name: Shirt Available Quantity: 3 Price: £2.0 Type of product: Clothing Size of cloth: Small Colour of cloth: Red)		<b><u>JTable row 03:</u></b> Product: w14, Shirt  Quantity: 1  Price: £2.0  <b><u>JTextField:</u></b>  Price without adding discount: \$5.0 Discount value: \$0 Price after the discount: \$5.0	<b><u>JTable row 03:</u></b> Product: w14, Shirt  Quantity: 1  Price: £2.0  <b><u>JTextField:</u></b>  Price without adding discount: \$5.0 Discount value: \$0 Price after the discount: \$5.0	
#05	(There is no product added to the shopping cart)	1.Select 6 as menu option.  2.Then press shopping cart button.	Open a JFrame with an empty Jtable. Under the Jtable there is an empty JTextField.	Open a JFrame with an empty Jtable. Under the Jtable there is an empty JTextField.	Pass