INFORMATICS INSTITUTE OF TECHNOLOGY

In collaboration with

UNIVERSITY OF WESTMINSTER

5COSC019C.1 Object Oriented Programming

Module Leader - Mr Saman

Test Cases

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Test Plan

Test Scenario	Test Case Description	Test Steps	Pre-Conditions	Expected Result	Test Data	Status
				Console Part		
Add Products						
Add an Electronic Product	Manager able to select the category of product and input the necessary product details as prompted on the console, the system should add it.	Select option 1 from the menu. Enter product 1 for the product type. Add product details – name, item count, price, brand, and warranty [period and time selection] in order by clicking enter after each clothing feature.	Manager must have the console open	Success message saying the product has been added successfully.	name: laptop item count: 14 price: 2500 brand: Dell warranty; time selection: week period: 14	Passed
Add a Clothing Product	Manager able to select the category of product and input the necessary product details as prompted on the console, the	Select option 1 from the menu. Enter 2 for the product type. Add product details – name, item count,	Manager must have the console open	Success message saying the product has been added successfully.	name: shirt item count: 4 price: 250 size: s	Passed

	system should add it.	price, size and color in order by clicking enter after each clothing feature.			color: white	
Delete Product According to ID	Manager able to enter the product id as prompted and the product should get removed. Wrong ID entered, validation takes place and warns the user. After deletion, the system should provide a success message and the number of products left in the system	Select option 2 from the menu.

Enter a valid product id which is present in the system | Manager must have the console open | Success message saying the product with the id has been deleted, and the available item count in the product list printed | Product id: 1234 [correct id] | Passed |
| Print List of Products | Manager able to print the list of products from selecting the choice in the displayed menu | Select option 3 from the menu | Manager must have the console open | The products available in the system has been displayed with the features for each. | | Passed |
| Save in a file | Manager able to save the available products in the system | Select option 4 from the menu. | Manager must have the console open | Success message saying the products in the system has been saved | | Passed |

Retrieve file automatically when open console	Products will automatically retrieve if any already saved when user opens console	Auto Retrieve – when the manager opens the console.	Manager must have the console open	Success message saying the products in the system has been retrieved at the start		Passed
Calculate Total Cost	Manager can calculate the total cost of all the products available in the system	Select option 5 from the menu.	Manager must have the console open	Total cost of the products in the system has been printed		Passed
Clear Product List	Manager can clear the available products by entering the options displayed in the menu	Select option 6 from the menu.	Manager must have the console open	Success message saying the products in the system has been cleared		Passed
Open GUI	Manager can open GUI by entering the option displayed in the menu	Select option 7 from the menu	Manager must have the console open	Success message saying that the GUI has been opened.		Passed
GUI Part						
Register / Login	Users can register or login if already have an account by	Enter username and password:	Manager must have the console open.	View Products Panel	username: valid username	Passed

					password: valid password	
	entering the credentials at the start and clicking on the right signing option. Incorrect credentials or already available usernames will be validated and warned to the user.	Whether login or sign up is to be decided, and clicked the correct button displayed in the gui panel	Must have opened the GUI panel			
View product description	Users can view the details of the product at the bottom container when they select a product from the table	User must click the button and sign up or log in as mentioned in the previous step	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up	Able to view the available products in the table, and able to click on a selected product and get the details of the product at the bottom panel		Passed
Add product to cart	Users can add the selected products to the cart by clicking on the Add to Cart button at the bottom	Users must select a product from the table. User must click on the add to cart button which is available at the bottom.	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up	The shopping cart frame opened with the selected products updated to the table. All the price and discounts available at the bottom panel		Passed

View Cart	Users can view the cart and its added products if any by clicking on the View Cart at the top	User must click on the view cart button displayed at the top of the screen	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up	The shopping cart frame opened.		Passed
Discounts Eligibility	Users can view the discounts in the cart panel if they have met the requirements	Users must add 3 products of the same category or must be the first time to purchase for either of the discount respectively	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up			Passed
Able to Purchase	Users can purchase from the cart panel when click on the purchase button at the bottom	User must click on the purchase button at the bottom panel of the shopping cart frame	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up	Small frame displaying a success message		Passed

First Purchase Discount	If user has newly created an account, he/she is eligible for the first purchase discount	Users must register on the panel. Add a product to the cart frame. Open shopping cart.	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up	First Purchase Discount Available		Passed
Three Category Discount	If user add three products of the same category to the cart, he/she will be able to get the three same category discounts	Users must select three products of the same category and add click add to cart. Open shopping cart.	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up	Three category Discount Available		Passed
Updating Product Count when products moved to cart	Product count in the system will be updated once the User adds products to cart	Users must select products and click add to cart.	Manager must have the console open. Must have opened the GUI panel. Must have logged or signed up.	Product quantity updated in both console and gui.		Passed