

Informatics Institute of Technology
Department of Computing

Object-Oriented Programming Test Plan

Module	: Object-Oriented Programming (2023)
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Personal Statement

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Test Cases

No	Test Case	Expected Result	Actual Result	Pass/Fail
1	In the console, select 1 to choose the product type for the system. The console displays the selection of the product item, whether Electronic or Clothing. Select 1 for Clothing and 2 for Electronics.	Select 1 to add the Clothing product and 2 for the Electronics product.	Select 1 to add the Clothing product and 2 for the Electronics product.	Pass
2	In the console, select 1 to choose the product type and then select the incorrect product type.	Displays "Invalid input (-_-) Please enter an integer value for the execution" in the console does not execute from here.	Displays "Invalid input (-_-) Please enter an integer value for the execution" in the console does not execute from here.	Pass
3	In the console, select the type of product and add the product correctly.	Add Clothing product to the array list and display "Clothing Product added to the products list successfully(^_^)". Same as for the Electronic Product.	Add Clothing product to the array list and display "Clothing Product added to the products list successfully(^_^)". Same as for the Electronic Product.	Pass
4	In the console, while adding a product to the list, the user enters an incorrect name for the product name, like an integer.	Display an error message for the user: "Invalid input(-_-) Please enter the valid name", then loop again for the correct input.	Display an error message for the user: "Invalid input(-_-) Please enter the valid name", then loop again for the correct input.	Pass
5	In the console, while adding a product to the list, the user enters an incorrect quantity for the product id, like a	Display an error message for the user: "Please enter an integer value	Display an error message for the user: "Please enter an integer value	Pass

	string type.	for the execution". Then, loop again for the correct input.	for the execution". Then, loop again for the correct input.	
6	In the console, while adding a product, the user enters an incorrect input for the price.	Display an error message for the user: "Please enter valid price". Then, loop again for the correct input.	Display an error message for the user: "Please enter valid price". Then, loop again for the correct input.	Pass
7	In the console, while adding a product, the user enters an incorrect input for the size of the clothing product.	Display an error message for the user: "Please enter valid size (XS, S, M, L, XL or Plus Sizes)". Then, loop again for the correct input.	Display an error message for the user: "Please enter valid size (XS, S, M, L, XL or Plus Sizes)". Then loop again for the correct input.	Pass
8	In the console, while adding a product to the system, the array length is insufficient to add more products.	Displays an error message for the user: "Product list is full (-_-)". Then loop again for the correct input.	Displays an error message for the user: "Product list is full (-_-)". Then loop again for the correct input.	Pass
9	In the console, enter the same productID for the system while adding a product to the list and then print an error.	Displays an error message for the user: "Entered Product ID is already in the list(-_-)! Try again..".	Displays an error message for the user: "Entered Product ID is already in the list(-_-)! Try again..".	Pass
10	In the console, select option 2 to delete the product using the productID. E50 Product is already in the system.	Displays "Product deleted successfully(*_*) Product ID: E50 Product Name: Mobile Availability: 41 Price: 120.53 Brand: Samsung Warranty Duration 12".	Displays "Product deleted successfully(*_*) Product ID: E50 Product Name: Mobile Availability: 41 Price: 120.53 Brand: Samsung Warranty Duration 12".	Pass
11	In the console, select option 2 to delete the product using the productid. The E50 product is not in the array list.	Displays "Product ID not found(-_-) Add Correct Product ID to Delete From the	Displays "Product ID not found(-_-) Add Correct Product ID to Delete From the	Pass

		System".	System".	
12	In the console, select 2 to delete a product products list, but no products are in the array list.	Displays "Product List is empty, there's nothing to delete (- -)".	Displays "Product List is empty, there's nothing to delete (- -)".	Pass
13	In the console, select option 3 to print all products from the list, but there is no product in the system to print.	Displays "Product List is empty, there's nothing to display (- -)".	Displays "Product List is empty, there's nothing to display (- -)".	Pass
14	In this console, select option 3 to print the products list; the list will print the order from the product.	Display product sorted by the productid.	Display product sorted by the productid.	Pass
15	In the console, select option 4 to save the products to the product file.	Displays "Successfully saved the products to the file (* *)".	Displays "Successfully saved the products to the file (* *)".	Pass
16	In the console, select option 4 to save the products, but nothing is in the array list.	Displays "Product List is empty, there's nothing to save (- -)".	Displays "Product List is empty, there's nothing to save (- -)".	Pass
17	In the console, select option 5 to load the product from the file.	Displays "Successfully loaded the products from the file(* *)".	Displays "Successfully loaded the products from the file(* *)".	Pass
18	In the console, select option 6 to open the GUI application, but there is nothing in the list that does not open the GUI.	Displays "No products in GUI(-_-) Could you please add and run..."	Displays "No products in GUI(-_-) Could you please add and run..."	Pass
19	In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI.	Load GUI	Load GUI	Pass
20	In this console, select option 7 to exit from the programme.	Exit from the system and display "Exiting the program. Thank you for being with us... Goodbye..(* *) Successfully saved the products to the file (* *)".	Exit from the system and display "Exiting the program. Thank you for being with us... Goodbye..(* *) Successfully saved the products to the file (* *)".	Pass
21	In the console select option is	Display "Invalid	Display "Invalid	Pass

	not in the 1 – 7 range or String	option (-_-), try again with the correct option.”.	option (-_-), try again with the correct option.”.	