



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.	input () Please enter an integer value for the execution" in the console does	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.	product to the array list and display "Clothing Product added to	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	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

	stuins types	for the execution".	for the execution".	
	string type.	Then, loop again		
			Then, loop again for the correct	
	Y 4 1 11 11	input.	input.	D
6	In the console, while adding a	Display an error	Display an error	Pass
	product, the user enters an	message for the	message for the	
	incorrect input for the price.	user: "Please enter	user: "Please enter	
		valid price". Then,	valid price". Then,	
		loop again for the	loop again for the	
		correct input.	correct input.	_
7	In the console, while adding a	Display an error	Display an error	Pass
	product, the user enters an	message for the	message for the	
	incorrect input for the size of	user: "Please enter	user: "Please enter	
	the clothing product.	valid size (XS, S,	valid size (XS, S,	
		M, L, XL or Plus	M, L, XL or Plus	
		Sizes)". Then,	Sizes)". Then loop	
		loop again for the	again for the	
		correct input.	correct input.	_
8	In the console, while adding a	Displays an error	Displays an error	Pass
	product to the system, the	message for the	message for the	
	array length is insufficient to	user: "Product list	user: "Product list	
	add more products.	is full ()". Then	is full ()". Then	
		loop again for the	loop again for the	
		correct input.	correct input.	
9	In the console, enter the same	Displays an error	Displays an error	Pass
	productID for the system	message for the	message for the	
	while adding a product to the	user: "Entered	user: "Entered	
	list and then print an error.	Product ID is	Product ID is	
		already in the list(-	already in the list(-	
)! Try again".)! Try again".	_
10	In the console, select option 2	Displays "Product	Displays "Product	Pass
	to delete the product using the		deleted	
	productID. E50 Product is	successfully(*_*)	successfully(*_*)	
	already in the system.	Product ID: E50	Product ID: E50	
		Product Name:	Product Name:	
		Mobile	Mobile	
		Availability: 41	Availability: 41	
		Price: 120.53	Price: 120.53	
		Brand: Samsung	Brand: Samsung	
		Warranty Duration	Warranty Duration	
11	T 4 1 1 2 2 2	12".	12".	D.
11	In the console, select option 2	Displays "Product	Displays "Product	Pass
	to delete the product using the	ID not found()	ID not found()	
	productid. The E50 product is	Add Correct	Add Correct	
	not in the array list.	Product ID to	Product ID to	
		Delete From the	Delete From the	

delete a product products list, but no products are in the array list. 13			System".	System".	
to print all products from the list, but there is no product in the system to print. 14 In this console, select option 3 to print the products list; the list will print the order from the product. 15 In the console, select option 4 to save the products, but nothing is in the array list. 16 In the console, select option 4 to save the products, but nothing is in the array list. 17 In the console, select option 5 to load the product from the file. 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. 19 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 20 In this console, select option 7 to exit from the programme. 18 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 20 In this console, select option 7 to exit from the programme. 21 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 22 In this console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 23 In the console, select option 7 to exit from the programme. 24 In this console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 25 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 26 In this console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 26 In this console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 27 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 28 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 29 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 29		delete a product products list, but no products are in the array list.	List is empty, there's nothing to delete ()".	List is empty, there's nothing to delete ()".	Pass
3 to print the products list; the list will print the order from the product.		to print all products from the list, but there is no product in the system to print.	List is empty, there's nothing to display ()".	List is empty, there's nothing to display ()".	Pass
to save the products to the product file. 16 In the console, select option 4 to save the products, but nothing is in the array list. 17 In the console, select option 5 to load the product from the file. 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. 19 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 20 In this console, select option 7 to exit from the programme. 18 Exit from the GUI application; there are products in the list, then run the GUI. 20 In this console, select option 7 to exit from the programme. 18 Exit from the gystem and display "Exiting the program. Thank you for being with us 19 Goodbye(*_*) Goodbye(*_*)	14	3 to print the products list; the list will print the order from	sorted by the	sorted by the	Pass
to save the products, but nothing is in the array list. In the console, select option 5 to load the product from the file. In the console, select option 6 to open the GUI application, but there is nothing in the list that does not open the GUI application; there are products in the list, then run the GUI. In this console, select option 6 to open the GUI application, but the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. In this console, select option 6 to open the GUI application; there are products in the list, then run the GUI. In this console, select option 7 to exit from the programme. I Exit from the program. Thank you for being with us Goodbye.(*_*) List is empty, there's nothing to save ()". Displays "Successfully loaded the products from the file(* *)". Displays "No products in GUI() Could you please add and run" Load GUI Pas Exit from the system and display "Exiting the program. Thank you for being with us Goodbye.(*_*) Goodbye.(*_*)	15	to save the products to the	"Successfully saved the products	"Successfully saved the products	Pass
to load the product from the file. "Successfully loaded the products from the file(*_*)". Is In the console, select option 6 to open the GUI application, but there is nothing in the list that does not open the GUI. In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. In this console, select option 7 to exit from the programme. Thank you for being with us Goodbye(*_*) "Successfully loaded the products from the file(*_*)". Displays "No products in GUI() Could you please add and run" Load GUI Past Successfully loaded the products from the file(*_*)". Displays "No products in GUI() Could you please add and run" Load GUI Past Exit from the system and display "Exiting the program. Thank you for being with us Goodbye(*_*)	16	to save the products, but	List is empty, there's nothing to	List is empty, there's nothing to save ()".	Pass
to open the GUI application, but there is nothing in the list that does not open the GUI. 19 In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 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(*_*) Goodbye(*_*) Could you please add and run" Load GUI Past throm the Exit from the system and display "Exiting the program. Thank you for being with us Goodbye(*_*) Goodbye(*_*)	17	to load the product from the	"Successfully loaded the products from the	"Successfully loaded the products from the file(*_*)".	Pass
In the console, select option 6 to open the GUI application; there are products in the list, then run the GUI. 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(*_*) Load GUI Pass the console, select option 5 to exit from the system and display "Exiting the program. Thank you for being with us Goodbye(*_*)	18	to open the GUI application, but there is nothing in the list	products in GUI(-) Could you please add and	products in GUI(-) Could you please add and	Pass
7 to exit from the programme. system and display "Exiting the program. Thank you for being with us Goodbye(*_*) system and display "Exiting the program. Thank you for being with us Goodbye(*_*)	19	to open the GUI application; there are products in the list,			Pass
the products to the file (*_*)". the products to the file (*_*)".		7 to exit from the programme.	system and display "Exiting the program. Thank you for being with us Goodbye(*_*) Successfully saved the products to the file (*_*)".	system and display "Exiting the program. Thank you for being with us Goodbye(*_*) Successfully saved the products to the file (*_*)".	Pass

	not in the String	he	1	_	7	range	or	_	with	the	option again correct	with	the	