Coursework Report – 5COSC019C Object Oriented Programming

Student ID: 20221688 / w1956338

Have you submitted the video with the demonstration of your system?

Yes

No

If the video has been submitted specify where:

Blackboard

On the cloud (file shared from Google drive). Copy here the link:

https://drive.google.com/file/d/1jp2dcCRCeVzITI2-QrCTm7GDT-42xS18/view?usp=sharing

Phase 1 – Design and class implementation

Student Name: <u>Hiniduma Kapuge Thisari</u>

Task	Did you	Student's comments (To which extent you
	attempt the	implemented the task? Have you encountered any
	task?	problems or issue?)
Design a UML Use Case Diagram of your	Yes No	Successfully completed the task.
system (submitted in a separate file).		
Design a UML Class Diagram of your	⊠ Yes ☐ No	Successfully completed the task.
system (submitted in a separate file).		
Implementation Class Product	⊠ Yes ☐ No	Successfully completed the task.
Implementation Class Electronics	⊠ Yes ☐ No	Successfully completed the task.
Implementation Class Clothing	Xes No	Successfully completed the task.
Implementation Class User	Yes No	Successfully completed the task.
Implementation class oser	M res □ NO	Successfully completed the task.
Implementation Class Shopping Cart	Yes No	Successfully completed the task.
implementation class shopping care		Successivity completed the task.
Implementation Interface	Xes No	Successfully completed the task.
WestminsterShoppingManager		

Phase 2 – Console menu implementation

Task	Did you	Student's comments (To which extent you
	attempt the	implemented the task? Have you encountered any
	task?	problems or issue?)
Add a product in the system with all the	Xes 🗌 No	Successfully completed the task.
relative information (max 50 doctors)		
Delete a product from the system by	Xes No	Successfully completed the task.
selecting the product ID. Display a		
message to confirm it has been removed		
and the total number of products in the		
system.		
Print on the screen the list of the	Xes No	Successfully completed the task.
products in the system with all the		
relative information. The list should be		
ordered alphabetically.		
Save in a file entered by the user so far.	Xes No	Successfully completed the task.
The user should be able to load back the		
information running a new instance of		
the application.		

Phase 3 – GUI Implementation

Task	Did you	Student's comments (To which extent you
	attempt the	implemented the task? Have you encountered any
	task?	problems or issue?)
The user can select the category through	Xes No	Successfully completed the task.
the drop down menu		
The GUI is open and a list of products	⊠ Yes ∐ No	Successfully completed the task.
with the information as per specification		
has been displayed		
	—	
Items with low availability are highlighted	☐ Yes ⊠ No	Could not complete the task.
in red		
The user can select a product and all the	X Yes No	Successfully completed the task.
details are displayed as per specification		Successibility completed the task.
in the below panel		
in the below panel		
The user can add products to the	⊠ Yes □ No	Successfully completed the task.
shopping cart and all the information are		, '
displayed in a separate frame		
•		
The final price is displayed correctly	Yes No	Successfully completed the task.

The discounts, if applicable, are displayed	⊠ Yes □ No	20% discount for 3 products from same category
as per specification and the final price		was completed.
updated accordingly		10% discount for customers first purchase could
		not be completed.
		·

Phase 4 – Testing and system validation

Task	Did you attempt the task?	Student's comments (To which extent you implemented the task? Have you encountered any problems or issue?)
Test plan. (Submitted in a separate file).	Xes No	Successfully completed the task.
Implementation of an automated unit test for each scenario in the console menu.	Yes No	Could not complete the task.
Error Handling across all the code, input validation and code quality.	Yes No	Successfully completed the task.