Coursework Report – 5COSC019C Object Oriented Programming

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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, or OneDrive or DropBox, etc), or YouTube. Copy here the link: https://drive.google.com/file/d/1SJ2aBC7kk6t4Uu0WoWhP657aOaUMvLz7/view?usp=sharing

Phase 1 – Design and class implementation

Task	Did you attempt the	Student's comments (To which extent you implemented the task? Have you encountered any
D : 1114111 C D: (task?	problems or issue?)
Design a UML Use Case Diagram of your	X Yes No	Completed.
system (submitted in a separate file).		
Design a UML Class Diagram of your	∑ Yes ☐ No	Completed.
system (submitted in a separate file).		
Implementation Class Product	🔀 Yes 🗌 No	
		Completed.
Implementation Class Electronics	⊠ Yes No	
		Completed.
		·
Implementation Class Clothing	Xes No	
		Completed.
Implementation Class User	⊠ Yes □ No	
Implementation class osci		Completed.
		Completed.
Implementation Class Shopping Cart	Xes No	Completed.
Implementation Interface	Yes No	Completed.
WestminsterShoppingManager		

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	🔀 Yes 🗌 No	
relative information (max 50 doctors)		Completed.
Delete a product from the system by	Xes No	Completed.
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	🔀 Yes 🗌 No	Completed.
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.	🔀 Yes 🗌 No	
The user should be able to load back the		Completed.
information running a new instance of		
the application.		

Phase 3 – GUI Implementation

Task	Did you	Student's comments (To which extent you
Task	·	
	attempt the	implemented the task? Have you encountered any
	task?	problems or issue?)
The user can select the category through	⊠ Yes □ No	
the drop down menu		Completed.
The GUI is open and a list of products	Yes No	
with the information as per specification		Completed.
has been displayed		Sompress.
That been displayed		
Items with low availability are highlighted	⊠ Yes □ No	Completed.
in red		'
The user can select a product and all the	⊠ Yes □ No	Completed.
details are displayed as per specification		F 1111
in the below panel		
in the seleti panel		
The user can add products to the	⊠ Yes □ No	Completed.
shopping cart and all the information are		'
displayed in a separate frame		
alsplayed in a separate frame		
The final price is displayed correctly	⊠ Yes □ No	
		Completed.
		F
The discounts, if applicable, are displayed	Yes No	Completed.
as per specification and the final price		
updated accordingly		
	1	1

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).	∑ Yes ☐ No	Completed.
Implementation of an automated unit test for each scenario in the console menu.	Xes No	Completed.
Error Handling across all the code, input validation and code quality.	Xes No	Completed.