

5COSC019C Object Oriented Programming Coursework Report

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

☒ Yes

☐ No

VIDEO – Demonstration link - https://drive.google.com/drive/folders/1Lc1TH0ahc3wxl-rmg0JEx1vdyudFKooo?usp=share_link

Phase 1 – Design and classes implementation

Task	Did you attempt the task?	Student's comments (To which extent you implemented the task? Have you encountered any problems or issue?)
Design a UML Use Case Diagram of your system (submitted in a separate file).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully designed the UML Use Case Diagram.
Design a UML Class Diagram of your system (submitted in a separate file).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully designed the UML Class Diagram.
Implementation Class Person	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully implemented Person class
Implementation Class Doctor	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully implemented Doctor class
Implementation Class Patient	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully implemented Patient class
Implementation Class Consultation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully implemented Consultation class
Implementation Interface WestminsterSkinConsultationManager	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully implemented interface

Phase 2 – Console menu implementation

Task	Did you attempt the task?	Student's comments (To which extent you implemented the task? Have you encountered any problems or issue?)
Add a doctor in the system with all the relative information (max 10 doctors)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
Delete a doctor from the system selecting the medical license number. Display a message to confirm he/she has been removed and the total number of doctors in the centres.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
Print on the screen the list the doctors in the centre with all the relative information. The list should be ordered alphabetically.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
Save in a file entered by the user so far. The user should be able to load back the information running a new instance of the application.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task

Phase 3 – GUI Implementation

Task	Did you attempt the task?	Student's comments (To which extent you implemented the task? Have you encountered any problems or issue?)
Doctor list visualisation. Sorting alphabetically.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
The user can select a doctor and add a consultation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
In the consultation the user can add all the patient details.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
The user can select the date/time of the consultation considering that a doctor cannot have more than one consultation at a time.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	User can select the date/time of the consultation considering that a doctor's available time slot.
The user can enter and save the cost for the consultation. (£25 per hour and only the first one £15).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
The user can add some notes (text information or images). This information has been encrypted.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	user can add notes and images. Only the note is encrypted

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).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
Implementation of an automated unit test for each scenario in the console menu.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task
Error Handling across all the code, input validation and code quality.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Successfully Completed the Task