Coursework Report – 5COSC019C Object-Oriented Programming

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Have you submitted the <u>video with the demonstration</u> of your system?   ☒ ☐
Yes No

https://drive.google.com/file/d/10CWxYD2dpdDWOOp3qUDqntxgrEcBOCWR/view?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 issues?)
Design a UML Use Case Diagram of your system (submitted in a separate file).	☒ Yes ☐ No	Successfully Completed UML Use case diagram.
Design a UML Class Diagram of your system (submitted in a separate file).	☒ Yes ☐ No	Successfully Completed UML Class diagram.
Implementation Class Person	☒ Yes ☐ No	Successfully Implementation the Class Person as the superclass.
Implementation Class Doctor	☒ Yes ☐ No	Successfully Implementation the Class Doctor as a subclass of Class person.
Implementation Class Patient	☒ Yes ☐ No	Successfully Implementation the Class Patient as a subclass of Class Person.
Implementation Class Consultation	☒ Yes ☐ No	Successfully Implementation Class Consultation.
Implementation Interface WestminsterSkinConsultationManager	☒ Yes ☐ No	Successfully Implementation Class WestminsterSkinConsultationManager and SkinConsultationManager 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 issues?)
Add a doctor in the system with all the relative information (max 10 doctors)	☒ Yes ☐ No	Successfully added a new doctor to the system.

Delete a doctor from the system selecting the medical licence number. Display a message to confirm he/she has been removed and the total number of doctors in the centres.	☒ Yes ☐ No	Successfully delete a new doctor from the system.
Print on the screen the list the doctors in the centre with all the relative information. The list should be ordered alphabetically.	☒ Yes ☐ No	Successfully printed the alphabetically ordered list of doctors.
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.	☒ Yes ☐ No	Successfully saved the file. User can read back all the information.

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.	☒ Yes ☐ No	Successfully visualized sorted doctor list.
The user can select a doctor and add a consultation.	☒ Yes ☐ No	Successfully completed with given requirements.
In the consultation the user can add all the patient details.	☒ Yes ☐ No	Successfully completed with given requirements.
The user can select the date/time of the consultation considering that a doctor cannot have more than one consultation at the time.	☒ Yes ☐ No	Completed the doctor available at that time slot but adding two consultations at the same time is not completed.
The user can enter and save the cost for the consultation. (£25 per hour and only the first one £15).	☒ Yes ☐ No	Successfully completed with given requirements.
The user can add some notes (text information or images). This information has been encrypted.	☒ Yes ☐ No	Text is encrypted but the adding image part is not working.

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	Successfully completed the test plan.
Implementation of an automated unit test for each scenario in the console menu.	☐ Yes ☒ No	Not attempted.
Error Handling across all the code, input validation and code quality.	☒ Yes ☐ No	Successfully completed the Error Handling.