Coursework Report – 5COSC019C Object Oriented Programming

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Have you submitted the <u>video with the demonstration</u> of your system?   YES

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).	YES	Draw the UML diagram using drawio
Design a UML Class Diagram of your system (submitted in a separate file).	YES	I didn't face to any problems and issues I have add that image to the coursework folder .
Implementation Class Person	YES	In the java code I have implemented a class called person
Implementation Class Doctor	YES	In the java code I have implemented a class called Doctor
Implementation Class Patient	YES	In the java code I have implemented a class called Patient
Implementation Class Consultation	YES	In the java code I have implemented a class called Consultation
Implementation Interface WestminsterSkinConsultationManager	YES	In the java code I have implemented Interface WestminsterSkinConsultationManager

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)	YES	System can get doctors information without any errors
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	Doctors can be deleted from the system and it will display a massage which doctors has been removed
Print on the screen the list the doctors in the centre with all the relative information. The list should be ordered alphabetically.	YES	Programme print list of doctors in the screen with their details without having any errors

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	The data save in a file which entered by the user so far. The user can load back the information running a new instance of the application.

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	Doctor list visualize without any errors. Also its Sort alphabetically.
The user can select a doctor and add a consultation.	YES	User can add new consultation and add a new doctor without any errors.
In the consultation the user can add all the patient details.	YES	User can patient details to the consultation without any errors.
The user can select the date/time of the consultation considering that a doctor cannot have more than one consultation at the time.	YES	User can add a consultation according to their preferred time
The user can enter and save the cost for the consultation. (£25 per hour and only the first one £15).	YES	Use can see the amount of the consultation in the table of consultation view.
The user can add some notes (text information or images). This information has been encrypted.	YES	User can add some notes and photos to the system without having any errors

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	All the test plan of the system has added to anew document in the coursework folder
Implementation of an automated unit test for each scenario in the console menu.	YES	Programme have run a automated test using Junit
Error Handling across all the code, input validation and code quality.	YES	User can add give some inputs twice when they didn't enter them in the correct format ,and user can see some error massages when they entered wrong inputs