# Coursework Report – 5COSC019W Object Oriented Programming

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| Have you submitted the video with the demonstration of your system? | Yes | No |

**Phase 1 – Design and classes implementation**

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| **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  No |  |
| Design a UML Class Diagram of your system (submitted in a separate file). | Yes  No |  |
| Implementation Class Person | Yes  No |  |
| Implementation Class Doctor | Yes  No |  |
| Implementation Class Patient | Yes  No |  |
| Implementation Class Consultation | Yes  No |  |
| Implementation Interface WestminsterSkinConsultationManager | Yes  No |  |

**Phase 2 – Console menu implementation**

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| **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  No | Doctors can be added with all relative information. Cannot add more than 10 doctors. |
| 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 | Can delete doctor by selecting the medical licence number. Confirmation provided when a doctor is removed and displays the total number of doctors. |
| Print on the screen the list the doctors in the centre with all the relative information. The list should be ordered alphabetically. | Yes  No | Displays all doctors in alphabetical order by surname. |
| 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 | Doctors’ information saves into a file and then the data can be retrieved |

**Phase 3 – GUI Implementation**

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| **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 |  |
| The user can select a doctor and add a consultation. | Yes  No |  |
| In the consultation the user can add all the patient details. | Yes  No |  |
| 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 |  |
| The user can enter and save the cost for the consultation. (£25 per hour and only the first one £15). | Yes  No |  |
| The user can add some notes (text information or images). This information has been encrypted. | Yes  No |  |

**Phase 4 – Testing and system validation**

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| **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 |  |
| Implementation of an automated unit test for each scenario in the console menu. | Yes  No |  |
| Error Handling across all the code, input validation and code quality. | Yes  No |  |