

UNIVERSITY OF WESTMINSTER

INFORMATICS INSTITUTE OF TECHNOLOGY

Object Oriented Programing – OOP

**Test plan**

# Coursework Report – 5COSC019W Object Oriented Programming

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

* Yes

**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 | UML case Diagram Created |
| Design a UML Class Diagram of your  system (submitted in a separate file). | Yes | UML class diagram Created |
| Implementation Class Person | Yes | Implemented Person class |
| Implementation Class Doctor | Yes | Implemented Doctor class |
| Implementation Class Patient | Yes | Implemented Patient class |
| Implementation Class Consultation | Yes | Implemented Consultation class |
| Implementation Interface  WestminsterSkinConsultationManager | Yes | Implemented Interface  WestminsterSkinConsultationManager |

**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 their relative information (max 10 doctors) | Yes | successfully Added 10 doctors |
| 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 centers. | Yes | Delete doctors from the system by selecting their medical license number. |
| Print on the screen the list the doctors in the center with all their relative information. The list should be ordered alphabetically. | Yes | in the center with all the relative information The doctors are Print on the screen but without alphabetical order |
| 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 | It Save in a file after user entered data and it can load back the user. |

**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 visualization. Sorting alphabetically. | Yes | Can see the Doctor list but not alphabetically. |
| The user can select a doctor and add a  consultation. | Yes | The user can select a doctor and add a  consultation. |
| In the consultation the user can add all the patient details. | Yes | User can add all the patient details in the consultation |
| 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 select (date/time) of the consultation |
| The user can enter and save the cost for the consultation. (£25 per hour  and only the first one £15). | Yes | After booking user can see in a pop up massage but displays £15 every time |
| The user can add some notes (text information or images). This information has been encrypted. | 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 | Test plan Submitted in a separate file. |
| Implementation of an automated unit test for each scenario in the console menu. | Yes | Implement automated unit test for each scenario in the console menu. |
| Error Handling across all the code, input validation and code quality. | Yes | Error Handling and input validation across all the code. |