

University of Westminster & Informatics Institute of Technology

Degree: BEng(Hons) in Software Engineering

Unit Code and Description:

(2023) 5COSC019C Object Oriented Programming and Design

Module Leader: Mr.Saman Hettiarachchi.

Assignment: Course Work 2022/23

Assignment Type: Individual Course Work.

Tutorial Group : B

Student Name: S.Mohanaranjan.

Student ID

IIT : 20200607

UOW : 18705841 / W1870584

Coursework Report – 5COSC019C Object Oriented Programming

Student Name: Mohanaranjan

Student ID: w1870584

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

☒ Yes

☐ No

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	Completed
Design a UML Class Diagram of your system (submitted in a separate file).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Do up to known knowledge
Implementation Class Person	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Implemented
Implementation Class Doctor	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Implemented
Implementation Class Patient	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Implemented
Implementation Class Consultation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Implemented
Implementation Interface WestminsterSkinConsultationManager	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Implemented

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	Did the task

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 <input type="checkbox"/> No	Did the task
Print on the screen the list the doctors in the centre with all the relative information. The list should be ordered alphabetically.	✓Yes <input type="checkbox"/> No	Did 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.	✓Yes <input type="checkbox"/> No	Did 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.	✓Yes <input type="checkbox"/> No	Sort by firstname done through the sort button
The user can select a doctor and add a consultation.	✓Yes <input type="checkbox"/> No	Did the task
In the consultation the user can add all the patient details.	✓Yes <input type="checkbox"/> No	Did the task
The user can select the date/time of the consultation considering that a doctor cannot have more than one consultation at the time.	✓Yes <input type="checkbox"/> No	Did the task as option to type time may have select by other at same time
The user can enter and save the cost for the consultation. (£25 per hour and only the first one £15).	✓Yes <input type="checkbox"/> No	Did the task as using patient id and cost is determined
The user can add some notes (text information or images). This information has been encrypted.	✓Yes <input type="checkbox"/> No	Notes can be added but not images or encrypted

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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	Tested in GUI and Console
Implementation of an automated unit test for each scenario in the console menu.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Not done
Error Handling across all the code, input validation and code quality.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Try with handling errors



