

## Coursework Report – 5COSC019C Object Oriented Programming

Student Name: Chanuga Insilu Jayarathne

Student ID: 20200505

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



Yes



No

Demonstration video link –

<https://drive.google.com/file/d/1S0rKrjYO3nk0LtIJ0ivU7GTmOktsx1He/view?usp=sharing>

### 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	Completely done.
Design a UML Class Diagram of your system (submitted in a separate file).	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
Implementation Class Person	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
Implementation Class Doctor	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
Implementation Class Patient	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
Implementation Class Consultation	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
Implementation Interface WestminsterSkinConsultationManager	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.

### 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	Completely done.
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.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
Print on the screen the list the doctors in the centre with all the relative information. The list should be ordered alphabetically.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
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.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.

### **Phase 3 – GUI Implementation**

<b>Task</b>	<b>Did you attempt the task?</b>	<b>Student's comments</b> (To which extent you implemented the task? Have you encountered any problems or issue?)
Doctor list visualisation. Sorting alphabetically.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Completely done.
The user can select a doctor and add a consultation.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Done.
In the consultation the user can add all the patient details.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Done.
The user can select the date/time of the consultation considering that a doctor cannot have more than one consultation at the time.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Haven't done.
The user can enter and save the cost for the consultation. (£25 per hour and only the first one £15).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Haven't done.

The user can add some notes (text information or images). This information has been encrypted.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Haven't done.
--	---	---------------

#### **Phase 4 – Testing and system validation**

<b>Task</b>	<b>Did you attempt the task?</b>	<b>Student's comments</b> (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	Completely done
Implementation of an automated unit test for each scenario in the console menu.	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Haven't done.
Error Handling across all the code, input validation and code quality.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Partially done