



INFORMATICS
INSTITUTE OF
TECHNOLOGY

UNIVERSITY OF
WESTMINSTER[®]

Informatics Institute of Technology

Object Oriented Programming

5COSC019C

OOP Coursework

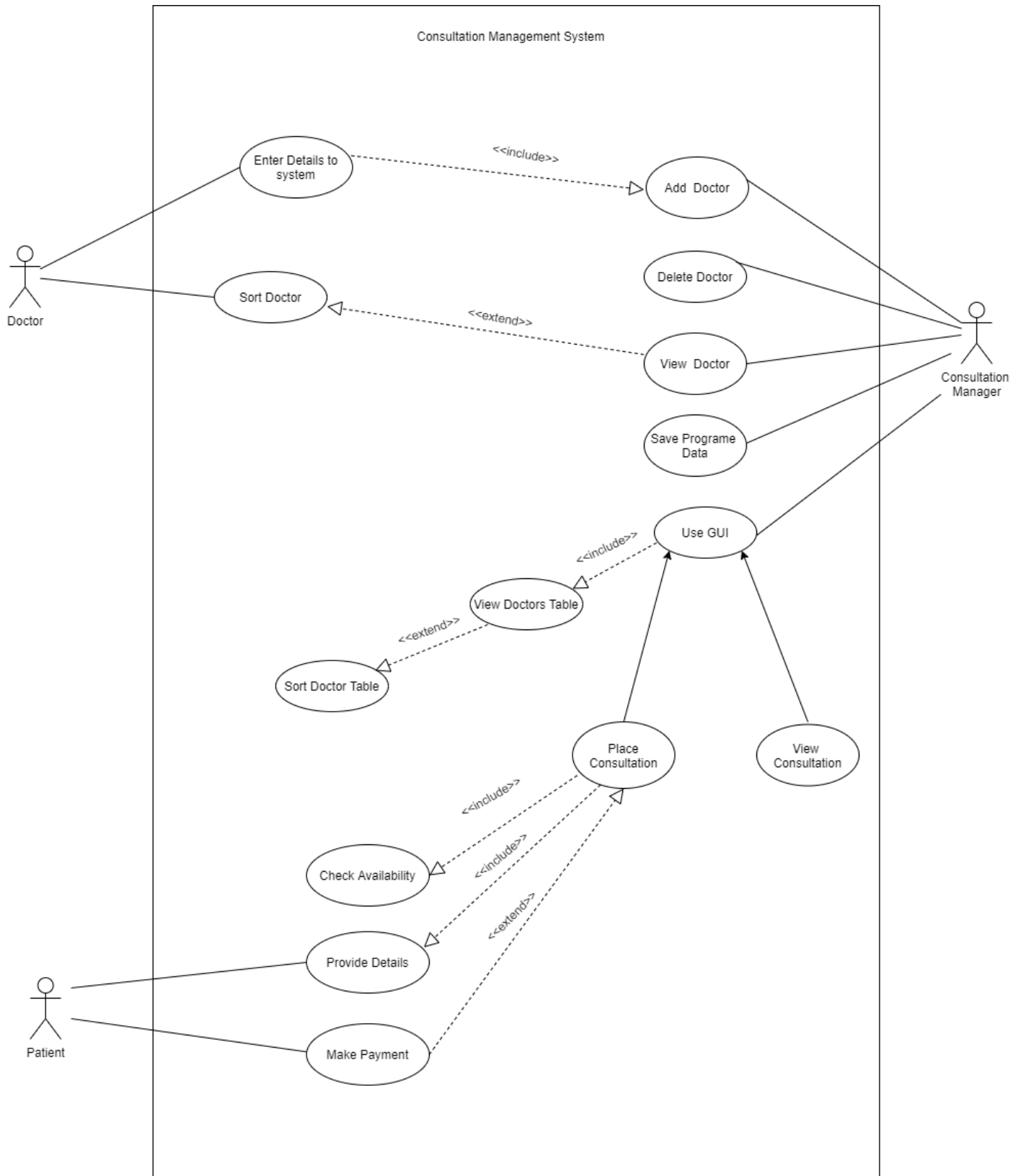
W.S. Nirusha Shehani

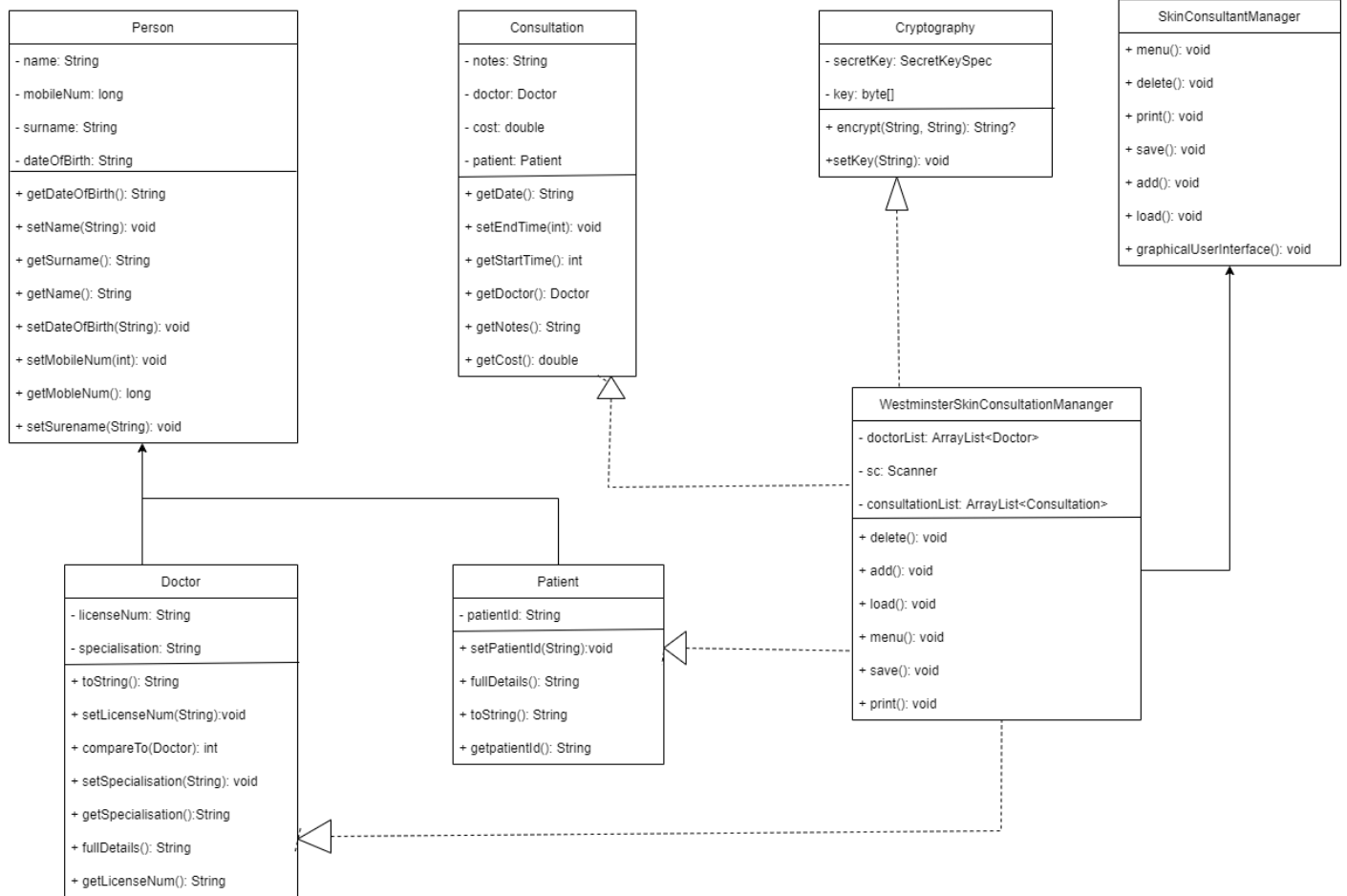
Uow Number – w1912854

IIT Number – 20210218

OOP video link -

<https://drive.google.com/file/d/1 uyVgzmgr7NoKZNQTq17IdCFY2IjKpn3/view?usp=sharing>





Student Name: Nirusha Shehani

Student ID: 20210218

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

☒ Yes

☐ No

Test Case	Expected Result	Actual Result	Pass/Fail
After program starts displays menu	Display menu	Display menu and Let users insert options	Pass
(Add a doctor to the console menu) Select A Enter "Henry" for 'First name of the doctor'	Doctor First name added	Doctor First name added	Pass
Enter "Kulasinghe" for 'Surname of the doctor'	Doctor surname added	Doctor surname added	Pass
Enter "1999.08.25" for 'Birth date of the doctor'	Date of birth added	Date of birth added	Pass
Enter "678" for 'License Number of the medical'	Medical License Number added	Medical License Number added	Pass
Enter "0718899009" for 'mobile Number of the doctor'	Doctor mobile number added	Doctor mobile number added	Pass
Enter "Cardiology" for 'Doctor Specialization'	Doctor Specialization added	Doctor Specialization added	Pass
Enter 'y' to continue	If you want to continue press Y and press any key exit	Can continue adding doctors	Pass
Enter 'any key' to exit	Exit the code	Exit the code	Pass
(Delete a doctor from the console menu) Select B Enter "678" for 'Enter the License number of the doctor that want to delete'	Doctor with license number '678' will be deleted	Doctor with license number '678' has been deleted	Pass

(Print doctor list of the console menu) Select C	Displays doctor details	Displays doctor details	Pass
(Save doctor list of the console menu) Select D	Doctor details will be saved in a text file	Doctor details will be saved in a text file	Pass
Enter a letter except A, B, C, D	Continue the code	Continue the code	Pass

Test Case	Expected Result	Actual Result	Pass/Fail
(Open GUI of doctor list of the console menu) Select E	Open the GUI	Open the GUI	Pass
Click 'All Doctors'	Display the doctor menu	Display the doctor menu	Pass
Click 'Channel a doctor'	Open Patient information and Consultation information	Open Patient information and Consultation information	Pass
Add patient and consultation information	Information added	Information added	Pass
Click 'View all channel'	Insert patient name and surname	Insert patient name and surname	Pass
Enter patient name and click 'Submit'	Open the booked consultation table with patient booked information	Open the booked consultation table with patient booked information	Pass

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 No	Complete the diagram with all use cases with relevant actors.
Design a UML Class Diagram of your system (submitted in a separate file).	√Yes No	Create the classes related to the program implementation with all the relationship include.
Implementation Class Person	√Yes No	Fully implemented and working completely.

Implementation Class Doctor	✓ Yes No	Fully implemented and working completely. Extend the person class
Implementation Class Patient	✓ Yes No	Fully implemented and working completely. Extend the person class
Implementation Class Consultation	✓ Yes No	Fully implemented and working completely.
Implementation Interface WestminsterSkinConsultationManager	✓ Yes No	Fully implemented and working completely. GUI codes are also added to this class.

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 No	Fully implemented and working completely.
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	Fully implemented and working completely.
Print on the screen the list the doctors in the centre with all the relative information. The list should be ordered alphabetically.	✓ Yes No	Fully implemented and working completely.
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	Fully implemented and working completely.

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 No	Fully implemented and working completely. Show the GUI as required.
The user can select a doctor and add a consultation.	✓Yes No	Fully implemented and working completely.
In the consultation the user can add all the patient details.	✓Yes No	Fully implemented and working completely.
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	Fully implemented and working completely.
The user can enter and save the cost for the consultation. (£25 per hour and only the first one £15).	✓Yes No	Fully implemented and working completely.
The user can add some notes (text information or images). This information has been encrypted.	✓Yes No	Fully implemented and working completely.

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 No	Fully implemented and working completely.
Implementation of an automated unit test for each scenario in the console menu.	✓Yes No	Fully implemented and working completely.

Error Handling across all the code, input validation and code quality.	√Yes No	Fully implemented and working completely.
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