Please fill in your name and student ID in the table below.	
Student Name	*AATHIRA THANKAMONEY DEV*
Student Number	21161041
Course and Year	2022/2023
Module Code	CMP4266
Module Title	Computer Programming
Module Leader	Dr. Ogerta Elezaj
Assessment items:	**3.** Computer programme solution and testing **(Total weight 50%)**. This must include the following parts; **A.** Design documentation submitted online (**Weight 10%**). This must include the two flow chart diagrams. **B.** Programme source code submitted online (**Weight 30%**). **C.** Testing and evaluation inclusive of test cases submitted online. (**Weight 10%**).

You are required to complete this software implementation checklist for the Hospital Management System developed in Python. You should select only the features that were implemented in your code.

You can select all/some features from the same marking range as long as they have been implemented in the code submitted for this assessment. For example, you can select all/some features from the marking range 40%-50% and all/some features under the range 70%-79% etc. However, it is very important to complete/attempt all functionalities within the current grade before moving to the next one. **Failure to do so indicates you have not understood the requirements and it will greatly affect the marks you gain by completing the functionalities from higher grades.**

This implementation checklist should be submitted alongside the implementation source code of the system and the testing and evaluation documentation.

Important notice: This checklist will assist the lecturer when marking your code, hence, you should only select the feature requirements that have been implemented in your code. Even if some features are not working correctly, you can still select them as long as there is evidence in your code showing the implementation attempt. However, it is not acceptable for a student to claim the implementation of features that were not attempted/implemented in the system.

False claims is a clear indication that the student does not understand the submitted code, hence, the submission will be investigated further for plagiarism, and the lecturer marking the assessment may invite the student to explain all/parts of the submitted code.

Software implementation checklist (Compulsory, for Part B).

Achieving a mark to maximum of 40%	
The application **must** implement **all** the above and the following:	
Create the necessary classes and functions which allow Admins to perform the following tasks:	
1. Admin Login	☒
2. Register/view/update/delete doctor	☒
3. View patient	☒
4. Can assign doctor to a patient	☒
To achieve a mark of 41% to maximum of 50%	
The application **must** implement **all** the above and the following:	
5. Discharge a patient account i.e. remove patient from the system	☒
6. Admins can view the discharged patient list	☒
7. Update admin own information i.e. name and address	☒
Achieving a mark of 51% to maximum of 70%	
The application **must** implement **all** the above and the following:	
8. Patients have names, symptoms, age, mobile, address etc.	☒
9. Patients of the same family are grouped together by Admin	☒
10. The hospital system should be able to store and load all patients' data from and into a file	☒
Achieving a mark of 71% to maximum 80%	
The application **must** implement **all** the above and the following:	
11. Relocating patients from one doctor to another	☒
12. Admins can request a management report. This should show the following information;	☒
a) Total number of doctors in the system	☒
b) Total number of patients per doctor	☒
c) Total number of appointments per month per doctor	☒
d) Total number of patients based on the illness type	☒
To achieve a mark of 80% and over	
The application **must** implement **all** the above and the following:	
13. View diagrams of the reports from a, b, c, and d.	☒
14. Development of a suitable Graphical User Interface (GUI) to perform all the above functions.	☒

Note: students need to submit their system alongside the necessary objects to test their software by the tutors when marking.