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| **Software Implementation Checklist** | **Faculty of Computing, Engineering and the Built Environment** |

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| **Course and Year** | 2023/2024 |
| **Module Title** | Computer Programming |

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| 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.  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. | |
| **Software implementation checklist.** | |
| **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 |  |
| 1. Register/view/update/delete doctor |  |
| 1. View patient |  |
| 1. 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: | |
| 1. Discharge a patient account i.e. remove patient from the system |  |
| 1. Admins can view the discharged patient list |  |
| 1. 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: | |
| 1. Patients have names, symptoms, age, mobile, address etc. |  |
| 1. Patients of the same family are grouped together by Admin |  |
| 1. 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: | |
| 1. Relocating patients from one doctor to another |  |
| 1. Admins can request a management report. This should show the following information; |  |
| * 1. Total number of doctors in the system |  |
| * 1. Total number of patients per doctor |  |
| * 1. Total number of appointments per month per doctor |  |
| * 1. 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: | |
| 1. View diagrams of the reports from a, b, c, and d. |  |
| 1. Development of a suitable Graphical User Interface (GUI) to perform all the above functions. |  |