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| **Group-ID** | **Student Registration Number** | |
| **G21** | **2020-CS-55** | **2020-CS-87** |
| **Project Title (Max. one line title)** | | |
| **Hospital Management System** | | |
| **Project Description (Min. 600 words)** | | |
| **Project Overview:**  A hospital management system contains the data of patient, medical staff like nurses and doctors, non-medical staff, bills record and overall record of a patient that contains the disease, his admitting date, doctor name who is handling is case, the timings during doctors come to check the patient, discharging date and bills. This system has big five modules and have sub-module in them.  So, the **1st module** is about how a patient’s data added in hospital, how can we search for a specific patient, how to delete the patient’s data. The process of calculating bills and how to show the bill to patient and what is the process to submit the bills. All the data of patient should record in a file and the room no and the ID number of patient which should be unique so it is easy for them to search or find the patient by their special ID number. There data save in file name patient.txt.  The **2nd module** contains the data of medical staff like doctors and nurses, their pays, duty timings, their ranks, their cell no and addresses. It also contains that in which field doctors have specialization. Their data should save in a file of name medStaff.txt and search by their card or ID number.  The **3rd module** of this project contain the data of non-medical staff like ward boys, helpers, cleaners and guards in the hospital. Theirs pays, Cell no, addresses, duties and duty timings should save in a file nonMedStaff.txt. And the process of searching the specific person is same by their card or ID number.  The **4th module** of this project contain the records of Bills. Bills slip how generated and it contains the specific data of a patient for whom it is generated for. It contains the name of patient, Id of patient, total time of staying in the hospital or total time of treatment in days, and the bill of patient. It also contains the name of disease. This will generate a slip to person and he pays the bill to counter. And this data is stored in a text file bills.txt.  The **5th module** contain the record of patient. This record consists of patient name, disease, admitting and discharging date, the name of doctor who is handling patient’s case, the timings of doctor, the room no and Id of patient, the medicine assigned to patient by doctor and the total bill paid by patient. And this data is stored in a text file records.txt.  **Features:**   * Patient Data   The data of patient manipulated by receptionist. He can update, add or delete the data.   * Medical Staff Data   The data of medical staff is manipulated by administrative staff of hospital. The outsider or other person cannot change the data.   * Non-Medical Staff data   The data of non-medical staff is also manipulated by administrative staff of hospital. The outsider or other person cannot change the data.   * Billing System   The billing system is manipulated by both receptionist and admin.   * Record   The record file is also manipulated by receptionist and later on by admin.  **Files:**  There are total five files in system:   * patient.txt   This file is used to save the data of patient.   * medStaff.txt   This file id used to save the data of doctors and nurses.   * nonMedStaff.txt   This file is used to save the data of ward boys, helpers, cleaners and guards.   * bills.txt   This file is used to save fee slip of patient.   * records.txt   This file is used to store specific record of a patient. | | |