

Data Management and Database Design
INFO 6210

Database Project
Group 8

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Database Topic :**Cancer Treatment Management System****Mission Statement :**

According to statistics from World Health Organization (WHO), Cancer is responsible for an estimated 9.6 million deaths globally in 2018 and about 1 in 6 deaths is due to cancer. Hence, there needs to be a system that manages patient's previous medical history, current medical conditions, doctors assigned for the treatment and medicines prescribed in order to track the patient's cancer treatment process.

Mission Objectives :

1. To maintain patient's information such as name, address, contact number, date of birth (**PatientInformation**)
2. To maintain data on patient's appointments(**PatientAppointment**)
3. To maintain patient's previous medical history (**PatientMedicalHistory**)
4. To maintain the data for prescription given to the patient after every treatment (**Prescription**)
5. To maintain Doctor's information like name, address, contact number (**DoctorInformation**)
6. To maintain appointment schedule information assigned to each Doctor(**DoctorSchedule**)
7. To maintain Insurance information for a Patient (**InsuranceInformation**)
8. To maintain information about the items that are used during the treatment (For e.g. Number of syringes, bandages, gloves) in Supplies (**InventoryInformation**)
9. To maintain data on Drug Catalogue containing all drugs used for treating a patient during the treatment (**DrugInformation**)
10. To maintain patient's treatment invoice information (**Invoice Information**)
11. To maintain data on patient's treatment (**PatientTreatment**)
12. To maintain data on patient's symptoms (**PatientSymptom**)