CPSC 3660
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Project Proposal
Group Members: Blake McLachlin, Nwabunor Onwuanyi, Steven Trinh

Our group's proposal is to make a hospital management system, where we will assign doctors, nurses, and patients to rooms. An example of a query we might ask is if a particular room is available, or if a particular doctor or nurse is available to be assigned to a room. Some entities we will have are PERSON, PATIENT, STAFF, and ROOM. An example of a relationship would be a doctor's relationship with a patient, where each doctor can take care of many patients (1-to-N). A constraint we might have is making sure that each patient is looked over by a doctor/nurse while in the room.

Entities:

Room:
- Room Number
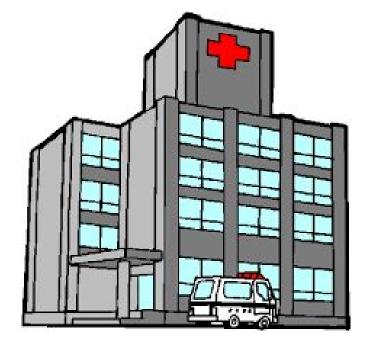- Section ID
- Number of Patients
- Booked

Person
- Name
- ID
- Address
- Date of Birth

Patient
- Priority Level
- ID

Staff
- Duty (Nurse, Doctor, Paramedic, EMT)
- Type (Emergency, General, Surgeon, Bed-To-Bed)
- Wage
- Hours
- ID

Relationships:

1. A hospital has many Rooms
2. A hospital has many Persons
3. A Room has many Patients
4. A Staff takes care of many patients.