Hospital System

* Patients can register an appointment by entering their name, date of birth, purpose of the appointment and contact info, after they do they will get their Id.
* Doctors have Id, Name, Date of birth, Specialization, assigned patient, assigned nurse and contact Info. A doctor can have multiple patients, nurses, appointments and trainees.
* A nurse has Id, Name, Date of birth, Specialization, assigned doctor and contact info. A nurse works for one doctor and can have multiple patients and appointments.
* Appointments are given for patients by numbers with specific Date, time. Every patient is connected with one doctor. Appointment’s status has 6 options (no-show, pending, completed, canceled, confirmed, scheduled).
* The trainee is a student who is having a practical training as a part of his/her education, each trainee can be assigned for one doctor and can have multiple patients, every trainee has Id, Name, Date of birth, Contact info and his/her university.
* Staff members have unique Id, Name, Contact info, Role and department. Each staff member is part of 1 department.
* Departments are numbered and has an ID, all Doctors are associated with one department. Many departments have many staff members as part of it.
* Rooms can be available or full, which are associated with multiple departments, also rooms have numbers and capacity size. Each room can have 1 patient, and many rooms can have many departments