

# Conceptual Schema Design

## **Dallas Care Hospital Database**

1. Person can be an Employee or a Class 1 Patient or both.
2. Every Class 1 patient consults a doctor. A Class 1 patient can consult at most one doctor, but one doctor can be consulted by more than one Class 1 patient.
3. Employee can be either a Doctor, or a Nurse, or a Receptionist, but not both.
4. Doctor can be either a Trainee, or Permanent or a Visiting doctor. A doctor can attend multiple Class 2 patients. A Doctor can access the records for pharmacy and treatment details.
5. Class 2 patient is assigned a Room in the hospital. A Class 2 patient can be an Employee or a Class 1 Patient or both. A Class 2 patient can be attended by multiple doctors.
6. Pharmacy details and Treatment details are maintained for each admitted patient. The database also stores the information of the various kinds of treatments that are offered in the hospital.
7. Nurse governs rooms. Each nurse can govern more than one room, but each room has only one nurse assigned to it.
8. Record is maintained for all patients.
9. A record database is maintained by the receptionist who keeps record of information with patient ID, date of visit, appointment and description, payment ID.
10. Payment can be made by Cash or Insurance, or both.

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