CSC 675 - 01
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Course Project Phase 1

Description:

Our data is on a hospital database system that keeps track of the hospital, doctors, patients, and medical records.

Patients are identified by patient ID and has name, address, and diagnosis as attribute.
Each patient's medical record is identified by record id, and keep the examination date and medical problem as attribute.
Each doctor is identified by doctor ID and has name, specialization and salary as attribute.
Each hospital is identified by hospital ID, and has name, address, city located as attribute.
Hospital has multiple patients.
Hospital has multiple doctors.
Each patient has records of examinations.

Attributes for entities:
Hospital : hospID, hosName, hosAddress, hosCity
Doctor : docID, docName, specialization, salary
Patient : patID, patName, patDiagnosis, patAddress
Medical record : recordID, ExaminationDate, problem

Relation Schema:

Patient(patID:Integer, patName:String, patDiagnosis:String, patAddress:String)
Hospital(hospID:Integer, hosName:String, hosAddress:String, hosCity:String)
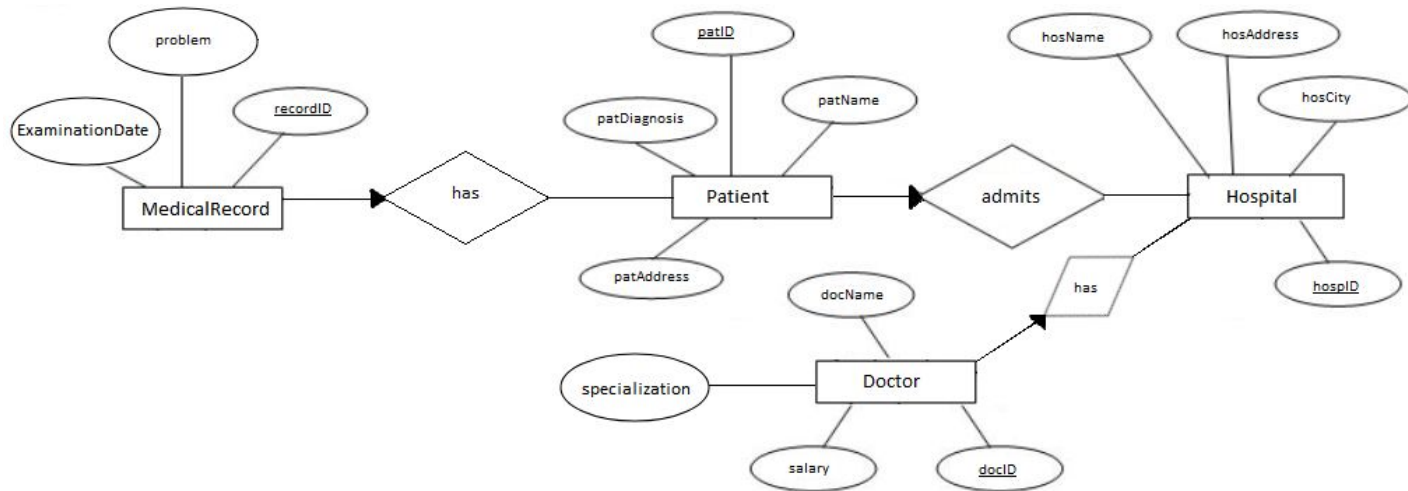**Doctor**(docID:Integer, docName:String, specialization:String, salary:Integer)
MedicalRecord(recordID:Integer, ExaminationDate:Date, problem:String)

Has(recordID:Integer, patID:Integer)
Has(hospID:Integer,docID:Integer,)
Admits(patID:Integer,hospID:Integer)

ER diagram:

Logical Schema: