**Database Project**

1. **Domain Description**

Title: Hospital Management Database

Entities and Relationships

* Doctor:
* Patient:
* Lab:
* Inpatient:
* Outpatient:
* Room:
* Department:
* Prescription:
* Bill:

1. **Entity-Relationship Diagram**
2. **Relational Schema**

* Doctor (doctor\_id, doctor\_name, gender, age, dept\_name, phone, office, city, salary)
* Patient (patient\_id, patient\_name, gender, age, weight, city, prescription\_id, doctor\_id)
* Lab (lab\_no, patient\_id, weight, doctor\_id, date, category)
* Inpatient (patient\_id, room\_no, date\_of\_adm, date\_of\_dis, lab\_no)
* Outpatient (patient\_id, date, lab\_no)
* Room (room\_no, room\_type, status)
* Department (dept\_name, building, budget)
* Prescription (prescription\_id, disease\_id, symptom\_id, lab\_no, medicine\_qty)
* Bill (bill\_no, patient\_id, service\_charge, no\_of\_days, due\_date)

1. **Boyce-Codd Normal Form Decomposition**
2. **Transaction and Query Executions**