ER Diagram

PATIENT MANAGEMENT SYSTEM

Submitted to

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Submitted by

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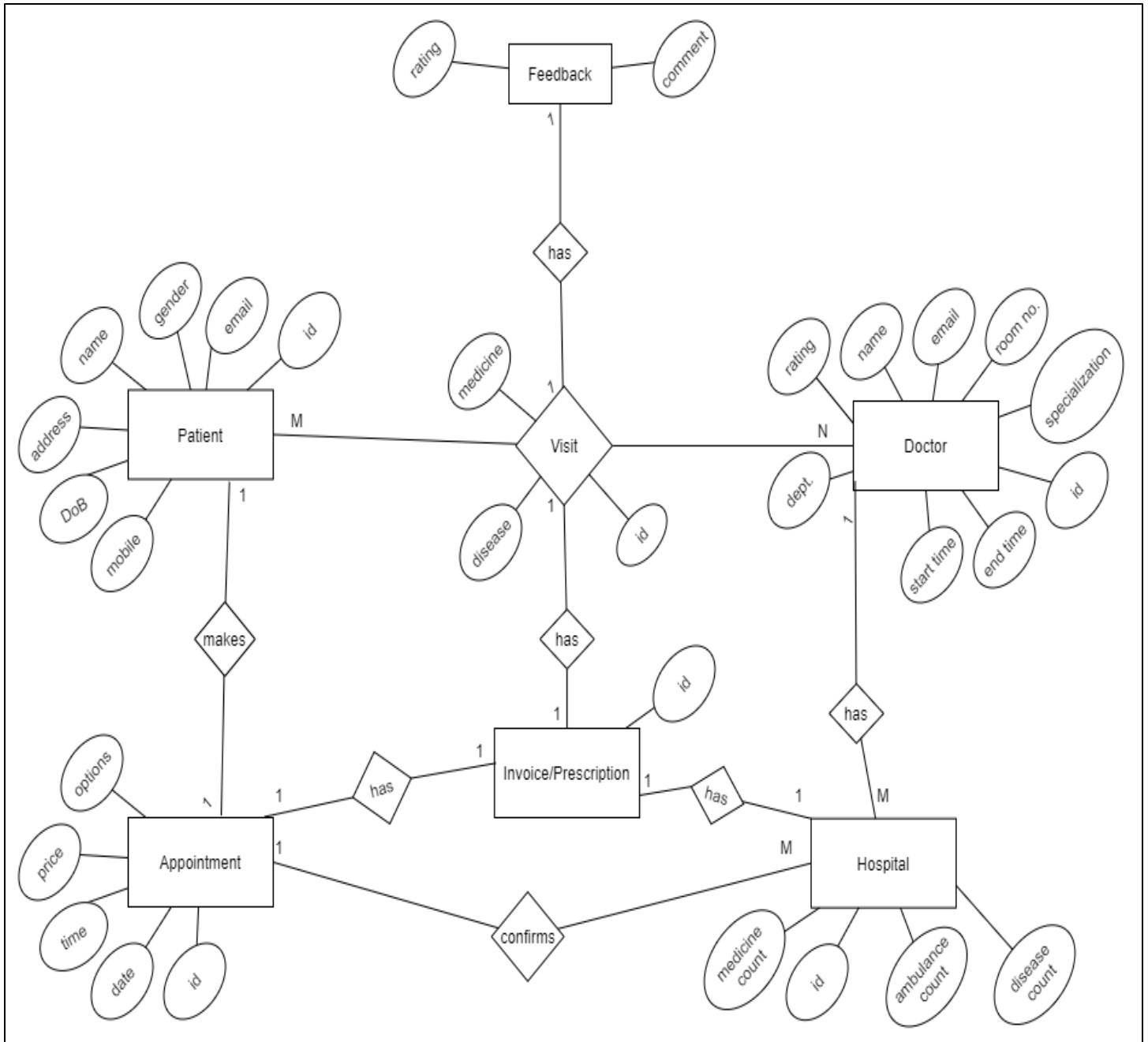Rahman Hridi   Sarwar Sara   Chowdhury
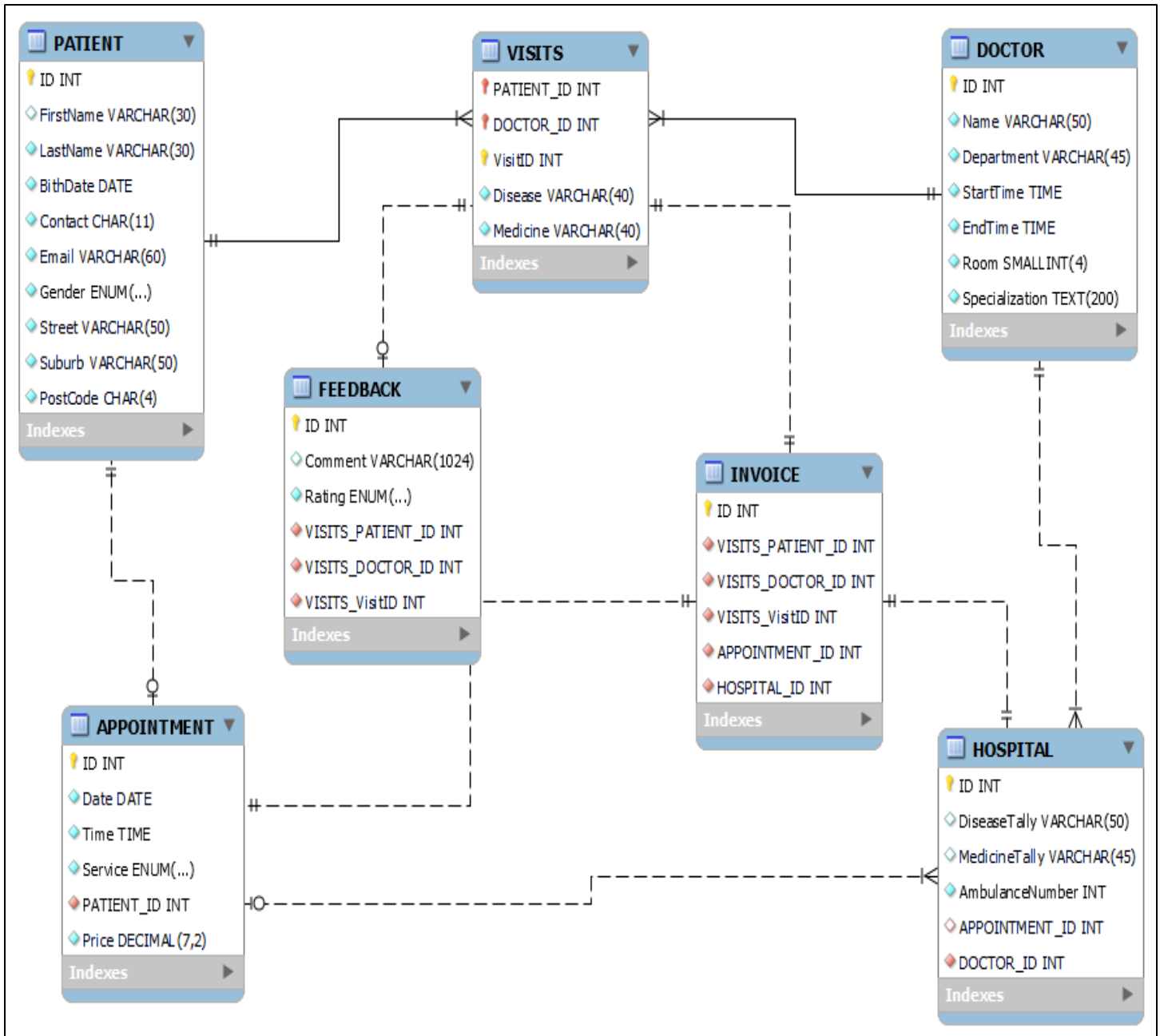*2013373642*   *2013961642*   *2012136642*

CSE311L.01 Database Systems Lab

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LOGICAL DIAGRAM

PHYSICAL DIAGRAM

PATIENT
- 🔑 ID INT
- ◇ FirstName VARCHAR(30)
- ◇ LastName VARCHAR(30)
- ◇ BithDate DATE
- ◇ Contact CHAR(11)
- ◇ Email VARCHAR(60)
- ◇ Gender ENUM(...)
- ◇ Street VARCHAR(50)
- ◇ Suburb VARCHAR(50)
- ◇ PostCode CHAR(4)
- Indexes ▶

VISITS
- 🔴 PATIENT_ID INT
- 🔴 DOCTOR_ID INT
- 🔑 VisitID INT
- ◇ Disease VARCHAR(40)
- ◇ Medicine VARCHAR(40)
- Indexes ▶

DOCTOR
- 🔑 ID INT
- ◇ Name VARCHAR(50)
- ◇ Department VARCHAR(45)
- ◇ StartTime TIME
- ◇ EndTime TIME
- ◇ Room SMALLINT(4)
- ◇ Specialization TEXT(200)
- Indexes ▶

FEEDBACK
- 🔑 ID INT
- ◇ Comment VARCHAR(1024)
- ◇ Rating ENUM(...)
- 🔶 VISITS_PATIENT_ID INT
- 🔶 VISITS_DOCTOR_ID INT
- 🔶 VISITS_VisitID INT
- Indexes ▶

INVOICE
- 🔑 ID INT
- 🔶 VISITS_PATIENT_ID INT
- 🔶 VISITS_DOCTOR_ID INT
- 🔶 VISITS_VisitID INT
- 🔶 APPOINTMENT_ID INT
- 🔶 HOSPITAL_ID INT
- Indexes ▶

APPOINTMENT
- 🔑 ID INT
- ◇ Date DATE
- ◇ Time TIME
- ◇ Service ENUM(...)
- 🔶 PATIENT_ID INT
- ◇ Price DECIMAL(7,2)
- Indexes ▶

HOSPITAL
- 🔑 ID INT
- ◇ DiseaseTally VARCHAR(50)
- ◇ MedicineTally VARCHAR(45)
- ◇ AmbulanceNumber INT
- 🔶 APPOINTMENT_ID INT
- 🔶 DOCTOR_ID INT
- Indexes ▶

CASE DIAGRAM

PATIENT MANAGEMENT SYSTEM

- Choose a doctor and set desired time
- Take patient history
- Book appointment
- Write Prescription
- Rating and Feedback
- Give Payment
- Medicine and disease tracker
- Generate Bills
- Mail confirmation
- Provide Ambulance
- Patient Portal
- Doctor Database

Patient

Doctor

Admin