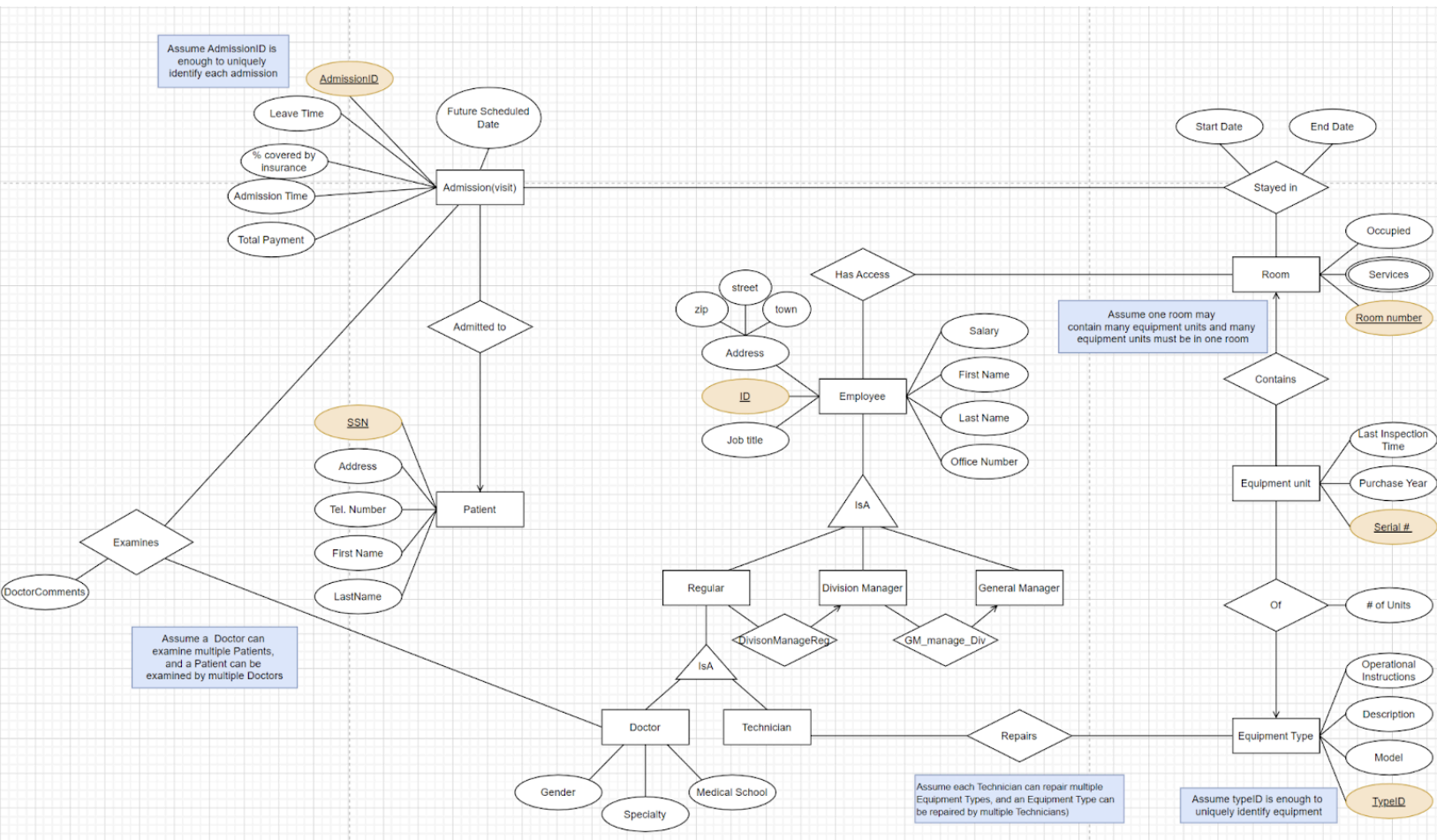


Group 24

Eric Li, Alex Li, and Maxwell Fuellemann in no particular order



ER Diagram

2. Additional assumptions are in blue text boxes in ER diagram

3. Relational model: “ $R(A_1, A_2, \dots, A_n)$ ”

Admission(AdmissionID, LeaveTime, PercentCoveredIns, AdmissionTime, TotalPayment, FutureScheduledDate, PatientSSN)

StayedIn(AdmissionID, RoomNumber, StartDate, EndDate)

Room(RoomNumber, Occupied)

RoomServices(RoomNumber, Services)

EquipmentUnit(SerialNumber, PurchaseYear, LastInspectionTime, RoomNumber, EquipmentTypeID, NumberOfUnits)

EquipmentType(EquipmentTypeID, Model, Description, Operational_Instructions)

Patient(PatientSSN, Address, Tel_Number, FirstName, LastName)

Examines(AdmissionID, DoctorEmployeeID, DoctorComments)

Employee(EmployeeID, zip, street, town, JobTitle, Salary, FirstName, LastName, OfficeNumber)

Regular(RegularEmployeeID, DivisionManagerEmployeeID)

DivisionManager(DivisionManagerEmployeeID, GeneralManagerEmployeeID)

GeneralManager(GeneralManagerEmployeeID)

Doctor(DoctorEmployeeID, Gender, Specialty, MedicalSchool)

Technician(TechnicianEmployeeID)

Repairs(TechnicianEmployeeID, EquipmentTypeID)

HasAccess(EmployeeID, RoomNumber)