fName **IName** street title address town zip officeNum salary **Employees** Access ISA total&disjoint Regulars Manages Divisions Manages Generals ISA school model description partial&disjoint <u>ID</u> instructions **Doctors Technicians** Repair Equipment unitsNum speciality TypeOi gender occupied services rNum serial yearPurch Contains Units Rooms description start-date Occupancy end-date fName Comments **IName** street town Examination Admissions **Patients** address HasAr zip payment leave-date SSN appointment insurance ad-date

Assuptions:

- 1. All the dates also include time stamps, so that one patient can be admitted multiple times a day and can occupy multiple rooms for one addmission.
- 2. An employee has at most 1 manager.
- 3. An unit has to have 1 Equipment ID and a room number

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Relation Model:

General-Managers (ID, fName, IName, title, salary, officeNum, street, town, zip)

Division-Managers (ID, fName, IName, title, salary, officeNum, street, town, zip, managerID)

Regular-Employees (ID, fName, IName, title, salary, officeNum, street, town, zip, managerID)

Doctors (ID, speciality, gender, school,)

Technicians (ID)

Repairs (ID, equipmentID)

Equipment (ID, model, description, instruction, unitsNum)

Units (ID, serial, roomNum, yPurchase, description) Rooms (rNum, occupied)

Services (rNum, service)

Patients (SSN, fName, IName, street, town, zip) Addmission (ad-date, SSN, leave-date, payment,

insurance, appointment)

Examination (SSN, ad-date, doctorID, comments)

Accesses (ID, rNum)

Occupancy (rNum, SSN, ad-date, start-date,

end-date)