

CS3431

Project Phase 1

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Relational Model:

Hospital: (HospitalID)

Machine: (SerialNum, TypeID)

Foreign key: Machine.TypeID references EquipmentCategory.TypeID

EquipmentCategory: (TypeID, Model, Description, Instructions, NumUnits, YearPurchased, LastInspection, RoomNum)

Foreign key: EquipmentCategory.RoomNum references Room.RoomNum

Room: (RoomNum, Occupied, HospitalID)

Foreign key: Room.HospitalID references Hospital.HospitalID

Room_Services: (RoomNum, Services)

Foreign key: Room_Services.RoomNum references Room.RoomNum

Employee: (ID, Type, OfficeNumber, JobTitle, Salary, FirstName, LastName, HospitalID)

Foreign key: Employee.HospitalID references Hospital.HospitalID

Manages: (ManagerID, UnderlingID)

Foreign key: Manages.ManagerID references Employee.ID

Foreign key: Manages.UnderlingID references Employee.ID

Access: (RoomNum, EmployeeID, Allowed)

Foreign key: Access.RoomNum references Room.RoomNum

Foreign key: Access.EmployeeID references Employee.EmployeeID

Patient: (SSN, FirstName, LastName, Address, PhoneNumber)

Visit: (VisitID, StartDate, EndDate, SSN, Payment, PercentCovered, HospitalID)

Foreign key: Visit.SSN references Patient.SSN

Foreign key: Visit.HospitalID references Hospital.HospitalID

Stay: (RoomNum, VisitID, RoomStartDate, RoomEndDate)

Foreign key: Stay.VisitID references Visit.VisitID

Foreign key: Stay.RoomNum references Room.RoomNum

Doctor: (ID, FirstName, LastName, Gender, Specialty, HospitalID)

Foreign key: Doctor.HospitalID references Hospital.HospitalID

AssignedTo: (DoctorID, VisitID, Examination)

Foreign key: AssignedTo.DoctorID references Doctor.ID

Foreign key: AssignedTo.VisitID references Visit.VisitID