Business Requirement Document

A big hospital has decided to store info about its Doctors, Nurses, Department, Employees, Rooms, Patient, Appointment and Clinics. First write Document to prepare an E-R diagram for this hospital according to the following Description:

- The hospital has a number of doctors each doctor has ID (unique), Name which represented as (FirstName and SecondName and ThirdName), Salary.
- Each Nurse has NurseID (unique), Name which represented as (FirstName and SecondName and ThirdName), Salary.
- Each Department has DepID, DepName.
- Each Employee has an ID (unique), Name which is represented as (FirstName and SecondName and ThirdName), Salary, Rule.
- Each Room has RoomID (unique), Capacity, Type.
- Each Patient has ID (unique), Name which represented as (FirstName and SecondName and ThirdName), Birthdate, Gender, Phone, City.
- Each appointment has AppoID (unique), Status.
- Each Clinic has ClinicID (unique), Name, Address Which represented as (Zcode and Street and City).
- Some doctor may be a supervisor, and All Doctors are supervised.
- Every department must have at least one room and Every room must be assigned to exactly one department.
- Every Employee may be work in one department and Each department Must have set of Employees and each Employee has StartingData.
- Every Nurse Must be assigned to at least one Room and Each Room Must Have Set of Nurses
- Every doctor may be assigned to one department and each department Must have at least one doctor and Each doctor has StartingData .
- Doctor may manage one department, and Each department Must Have One doctor to manage it.
- Doctor may work in one Clinic, and Each Clinic Must Have One Doctor Work in.
- A clinic may have multiple appointments, but each appointment is assigned to one Clinic.
- A patient may have multiple appointments with different doctor, but each appointment involves one patient, and Every appointment have Data and Cost.
- Patient may be assigned to one room and Each Room May have Zero or Many patients and Each Patient Have StartingData and StayingTime.