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DATABASE MANAGEMENT PROJECT 2

TASK A: Definition

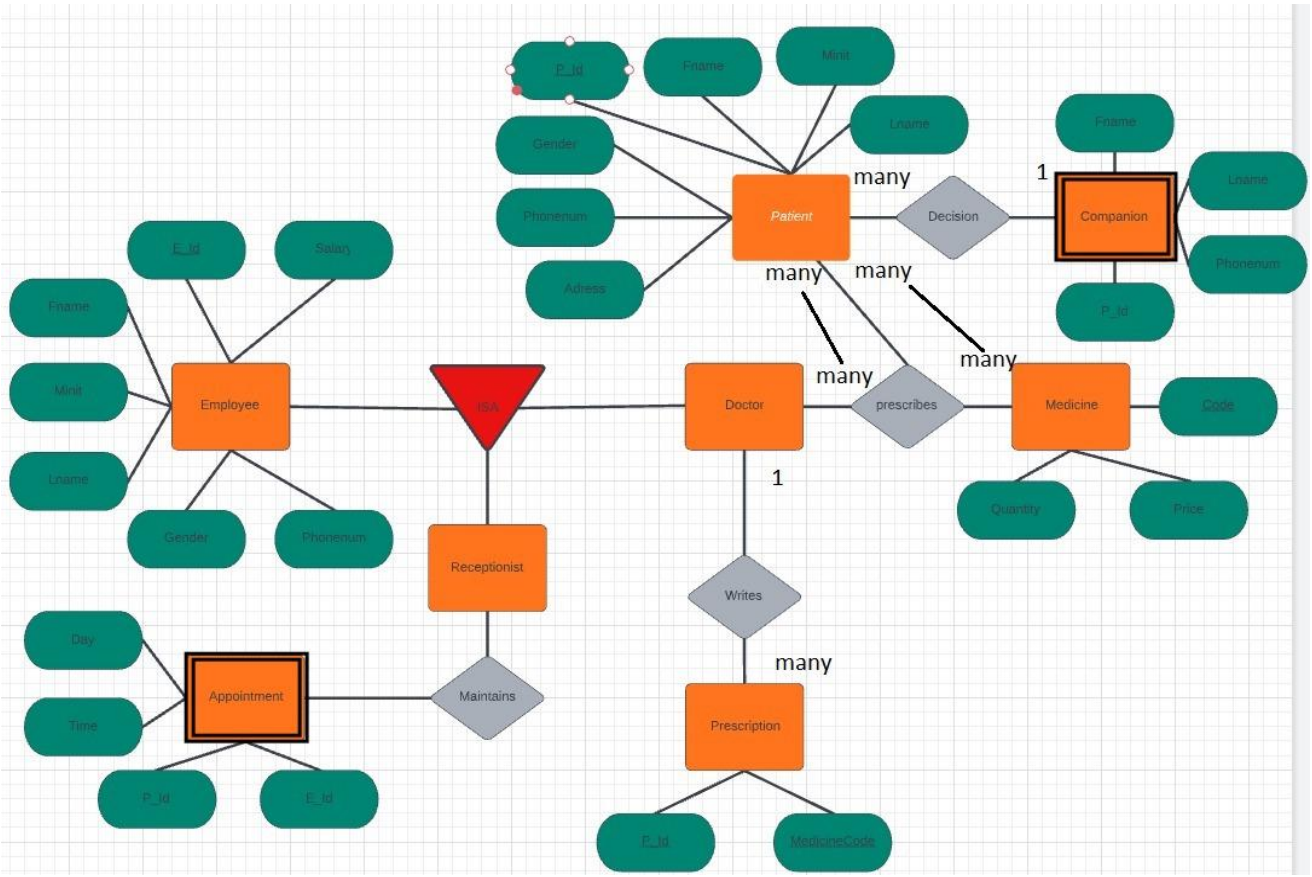
Our database is a declaration that represents relations of making an appointment in any hospital. We have 6 entity sets in the database. Our entity sets are Employee, Appointment, Prescription, Patient, Companion and Medicine.

In these entities there are two weak entities such as Medicine, Companion.
And there is is-a relationship between Employee and Doctor, Receptionists. And we showed the kind of relations in the ER diagram of the database.

And if we mention about the logic of operations ;

Doctor and Receptionist inherits from Employee. So doctors and receptionists are subclasses of employees and there is a specialization. Receptionist maintains some appointments for patients. Doctor Writes Prescriptions for Patients . One doctor may write many prescriptions but one prescription may be written by only one doctor.So there are one to many relations between doctor and prescription. Also a doctor may have many patients and a patient may have many doctors. So there are many to many relations between doctor and patient. Ant patient decisions according to companions. A patient may have many companions but a companion for only one patient.So there are many to one relation between patient and companion. And doctors may prescribe medicines for patients. One patient may have many medicines and also one medicine may be written for many patients. So there is a many to many relation between patient and medicine. This is the circle that represents the operations in the hospital.

TASK B:ER DIAGRAM



TASK C: Relation Table