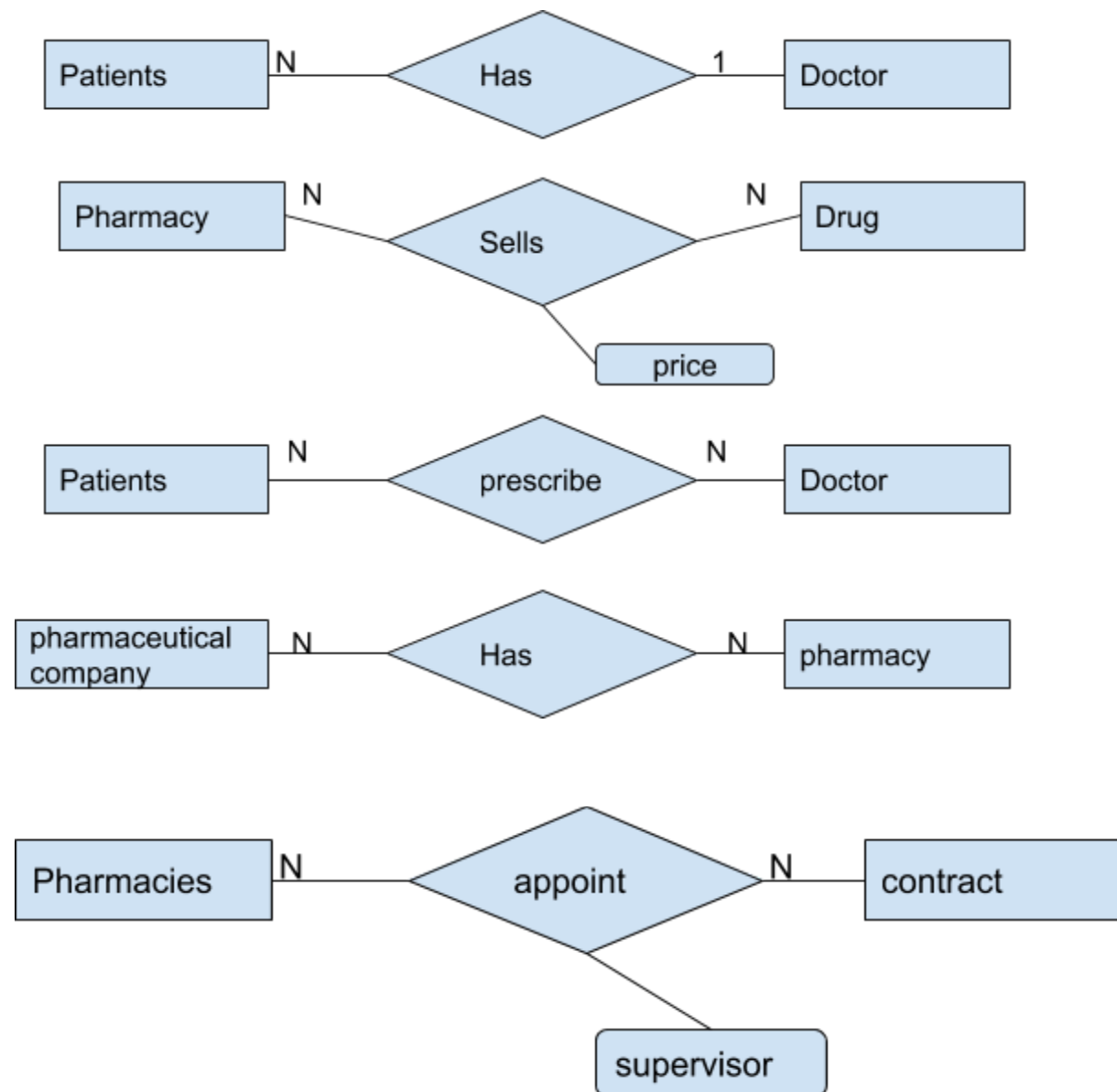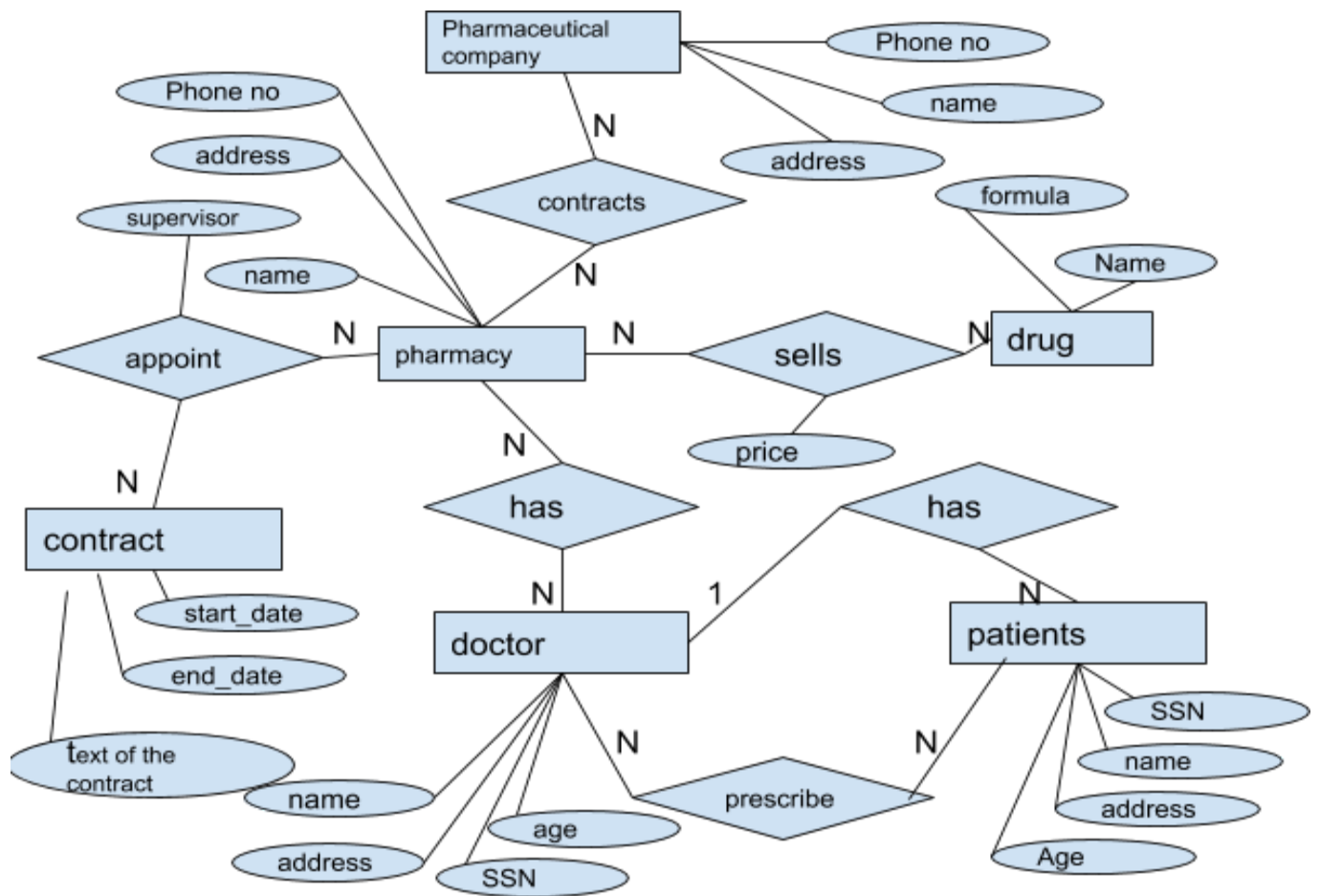1.Find the Entity types
- Patients
- Doctor
- Pharmaceutical Company
- Drug
- Pharmacy
- Contracts

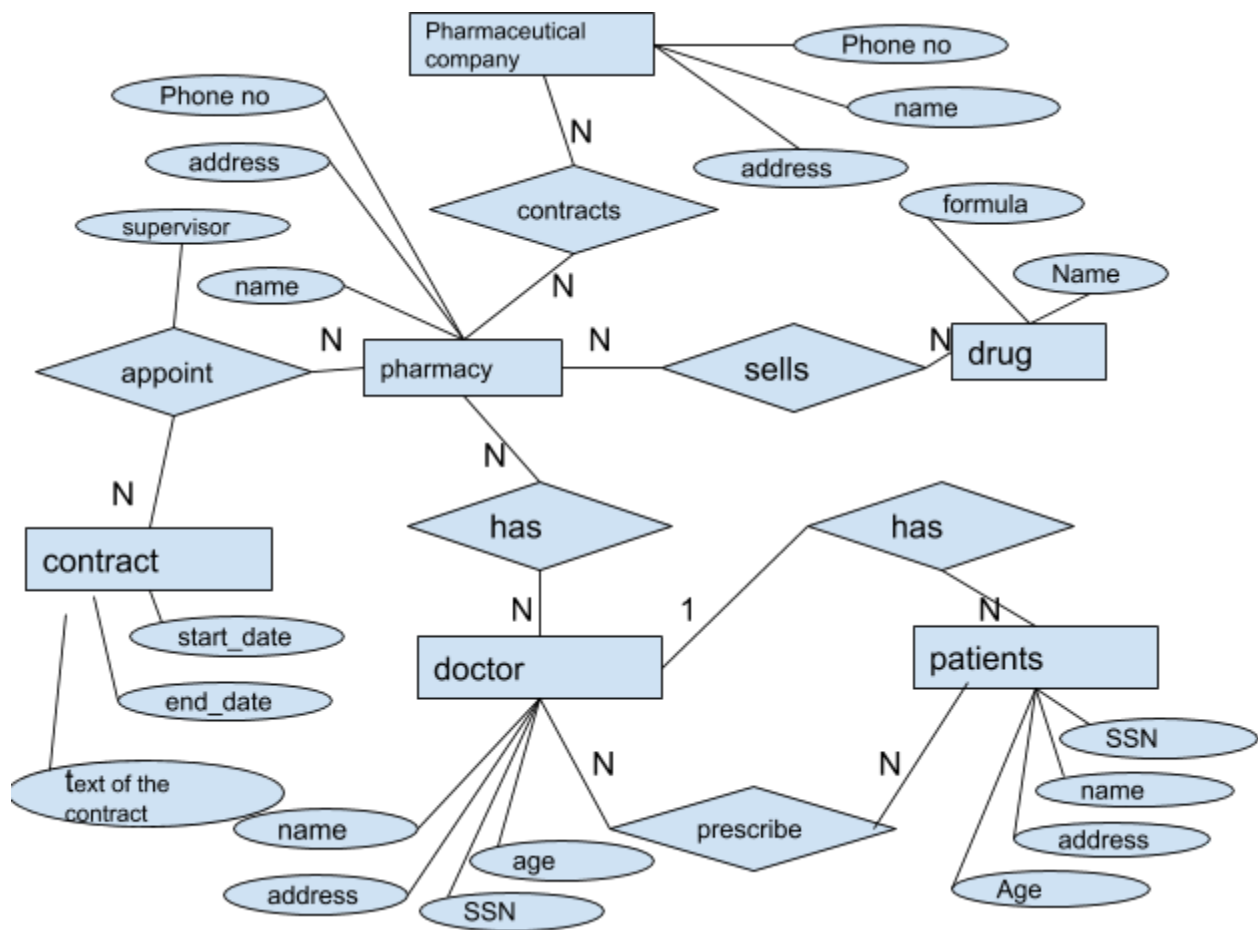2. Draw ER diagram to each relationship separately.

| Patients | N --- Has --- 1 | Doctor |

| Pharmacy | N --- Sells --- N | Drug |
price

| Patients | N --- prescribe --- N | Doctor |

| pharmaceutical company | N --- Has --- N | pharmacy |

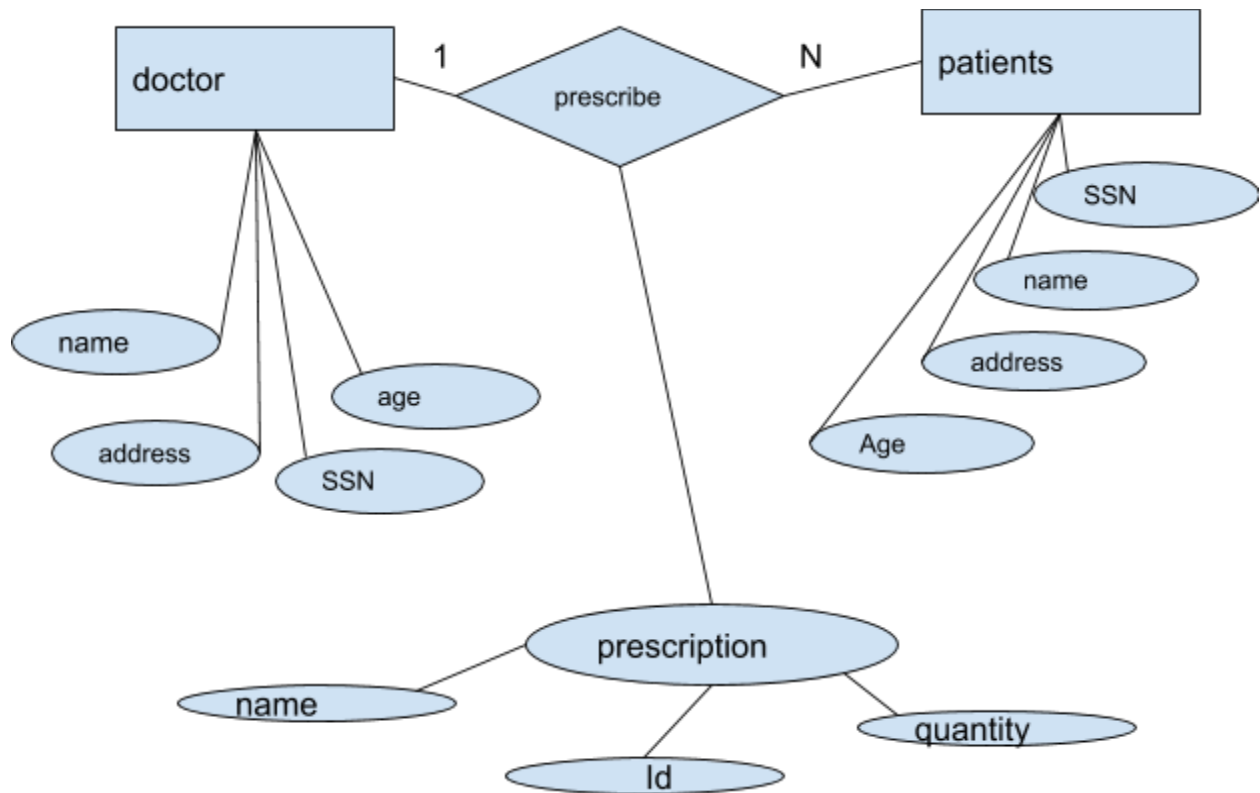| Pharmacies | N --- appoint --- N | contract |
supervisor

3. Draw a ER diagram that captures the above information.

4. How would your design change if each drug must be sold at a fixed price by all the pharmacies?

5. How would your design change if the design requirements change as follows: If a doctor prescribes the same drug for the same patient more than once, several such prescriptions may have to be stored separately?

6. Write Mongoose Schema for your diagram.
For guidance