

Q1)1.Find the Entity types

Patients(patient_name,address,age,SSN)

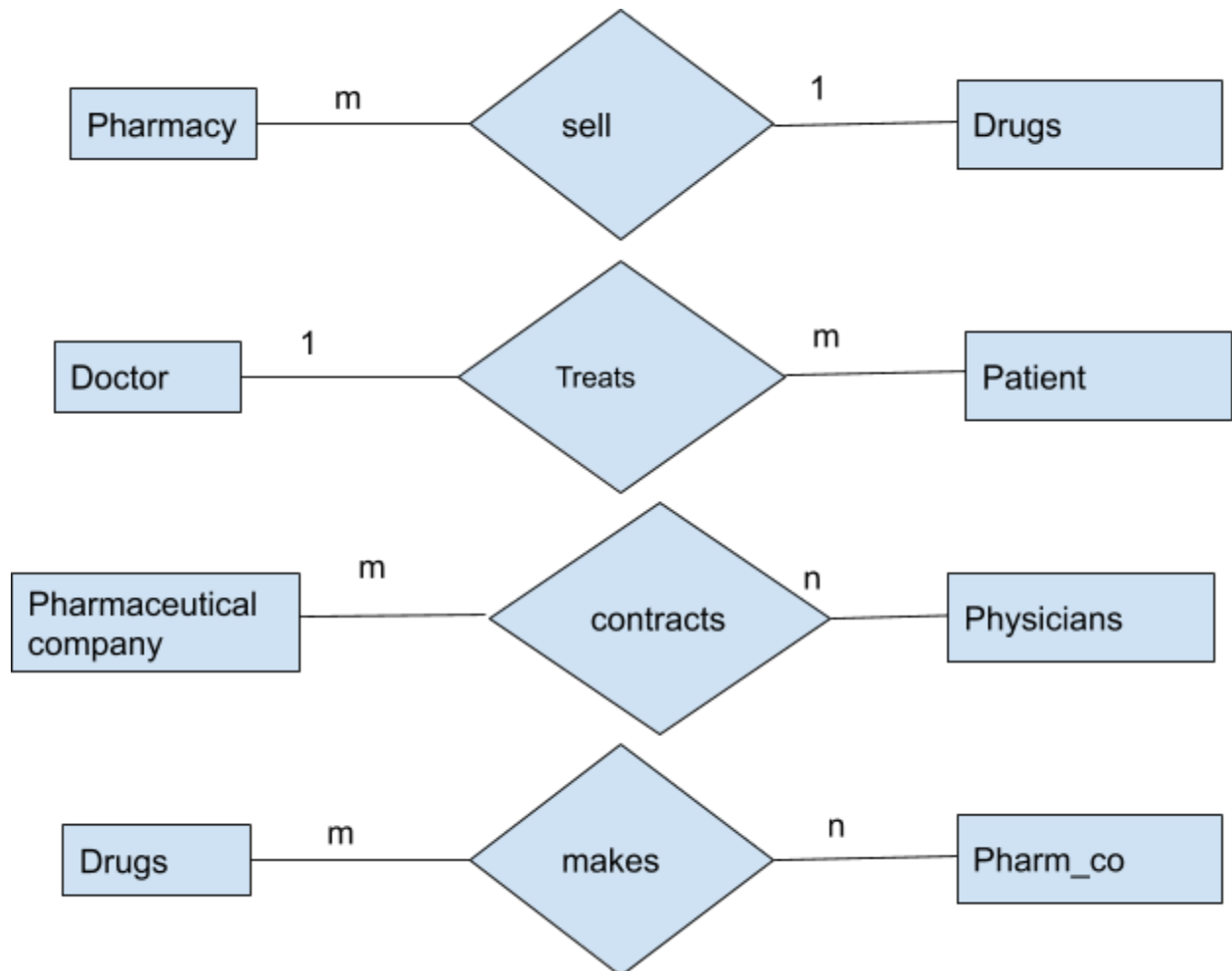
Doctor(doctor_name,speciality and experience,SSN)

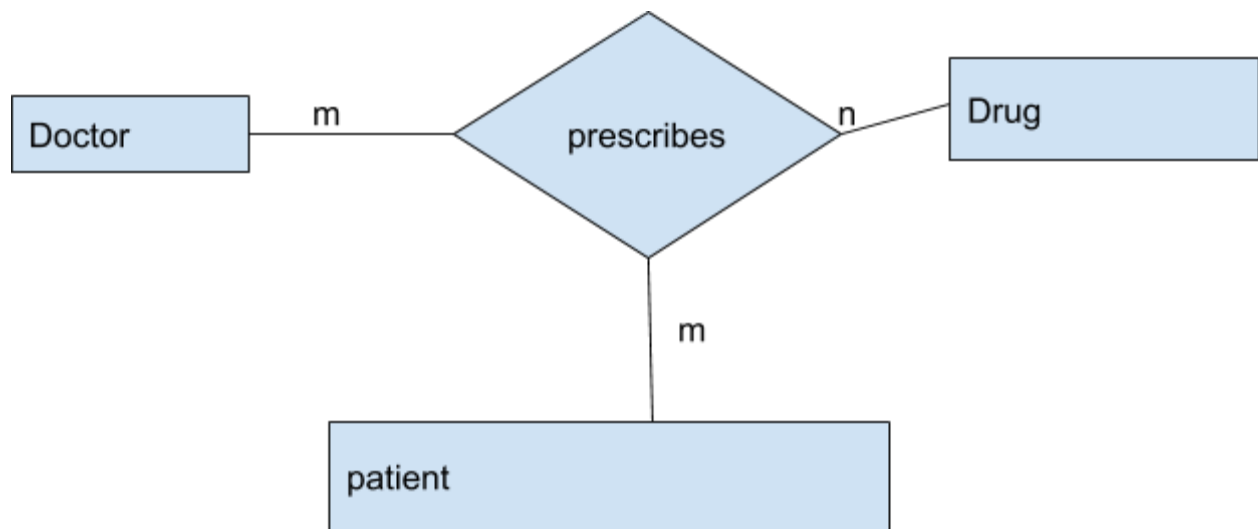
pharmacy(pharmacy_name,address,phone_number)

Pharmaceutical_company(name,phone_number)

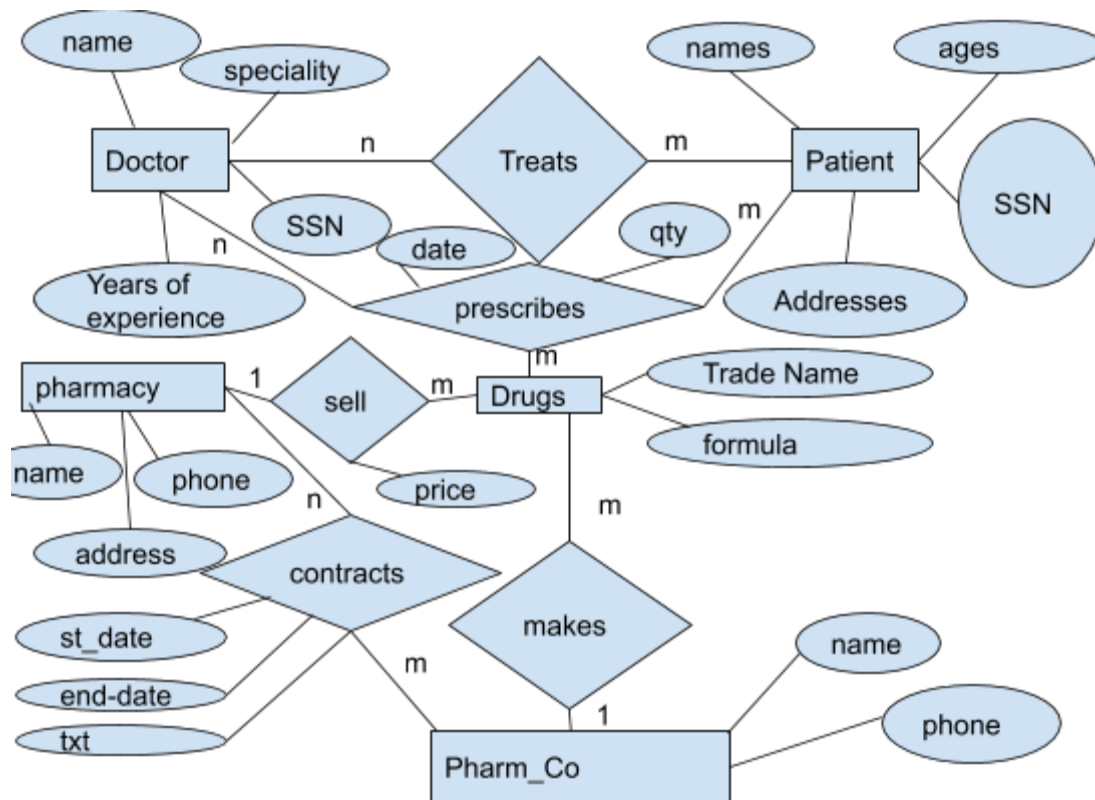
Drug(rate_name,formula)

Q2)2. Draw ER diagram to each relationship separately.

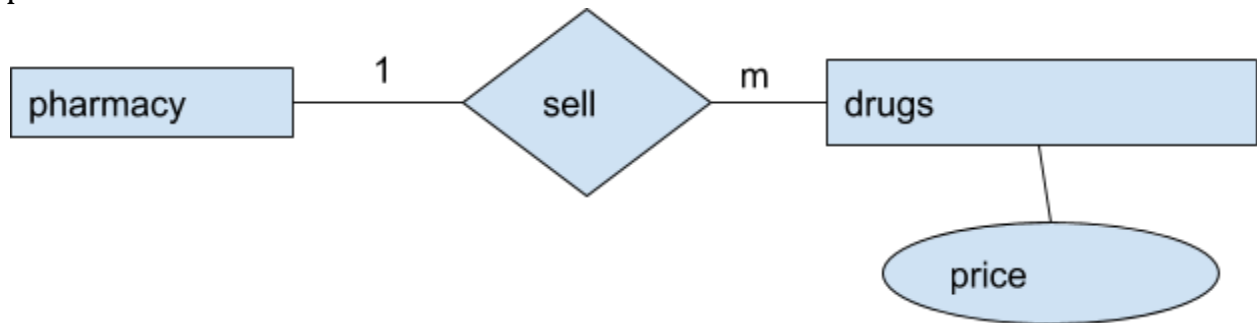




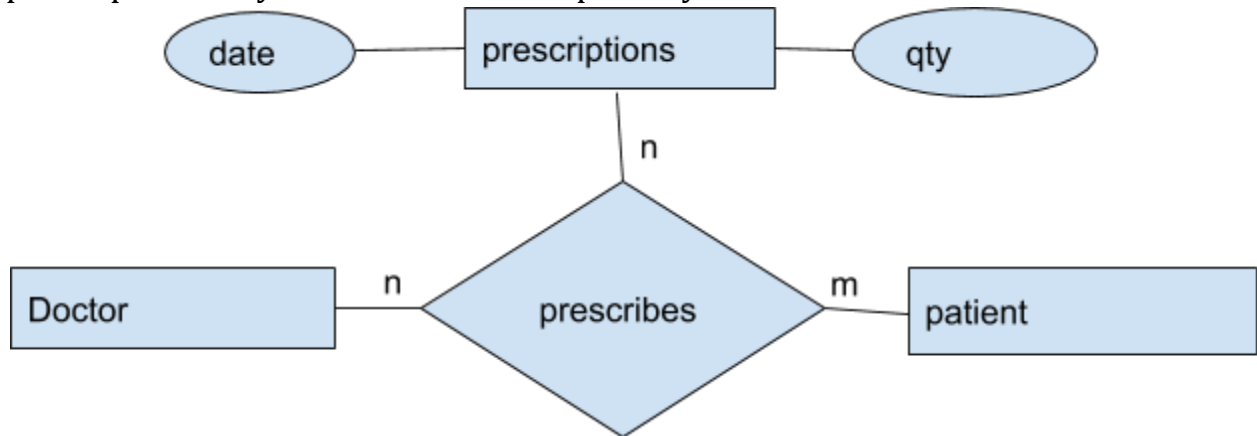
Q3)3. Draw a ER diagram that captures the above information.



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.