

REQUIREMENTS

- Patients are identified by SSN, and their names, email address, their phone numbers, and ages.
- Doctors are identified by an SSN, their name, email address, phone numbers, specialty and years of experience.
- Each pharmaceutical company is identified by name and a phone number and also an email address.
- For each drug, the trade name and formula must be recorded. Each drug is sold by a given pharmaceutical company, and the trade name identifies a drug uniquely from among the products of that company. If a pharmaceutical company is deleted, you need not keep track of its products any longer.
- Each pharmacy has a name, a pharmacist, an email address, a phone number and also the trade name of the drugs and their prices.
- Every patient has a primary physician. Every doctor has at least one patient.
- Each pharmacy sells several drugs and has a price for each. A drug could be sold at several pharmacies but the price could be different from one pharmacy to another.
- Doctors prescribe drugs for patients. A doctor could prescribe one or more drugs for several patients, and a patient could obtain prescriptions from several doctors. Each prescription has a date and a quantity associated with it. If a doctor prescribes the same drug for the same patient more than once, only the last such prescription needs to be stored.
- Pharmaceutical companies have long-term contracts with pharmacies. A pharmaceutical company can have contracts with several pharmacies but a pharmacy only has one pharmaceutical company as its supplier. For each contract, you have to store a start and end date, the text of the contract and a supervisor for the contract.
- Pharmacies appoint a supervisor for each contract. There must always be a supervisor able to be identified by their SSN for each contract.