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REQUIREMENTS FOR DRUG DISPENSING SYSTEM.

Additional Requirements.

1. Patients should be able to create an account view their prescriptions and order refills
2. Doctors should be able to create, view and update patient prescriptions.
3. Pharmaceutical companies should be able to manage their drug information, including updating drug details and prices.
4. The patients should be able to view the transaction history and the cost of purchasing drugs
5. Patients should be able to view their prescription history and the dates when they were prescribed each drug.
6. Doctors should be able to view the prescription history of their patients.
7. The system should have a feature to track the expiration dates of drugs in each pharmacy's inventory and notify them when a drug is about to expire.
8. The system should have a search function that allows doctors and patients to search for drugs by name, formula, or trade name.
9. The system should have a feature that allows pharmacies to place orders for drugs directly with pharmaceutical companies and keep track of the orders.
10. Patients should be able to request for refills of their prescriptions through the website, and pharmacies should be able to process these requests for pick up or delivery.

Primary Requirements.

- i. Patients are identified by SSN, and their names, addresses, and also ages.
- ii. Doctors are identified by an SSN, for each doctor, the name, specialty and years

of experience must be recorded.

iii. Each pharmaceutical company is identified by name and has a phone number.

iv. For each drug, the trade name and formula must be reordered. 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.

v. Each pharmacy has a name, address, and phone number.

vi. Every patient has a primary physician. Every doctor has at least one patient.

vii. Each pharmacy sells several drugs and has a price for each. A drug could be sold at several pharmacies, and the price could vary from one pharmacy to another.

viii. 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. You can assume that if a doctor prescribes the same drug for the same patient more than once, only the last such prescription needs to be stored.

ix. Pharmaceutical companies have long-term contracts with pharmacies. A pharmaceutical company can contract with several pharmaceutical companies.

For each contract, you must store a start date, and end date, and the text of the contract.

x. Pharmacies appoint a supervisor for each contract. There must always a supervisor for each contract