

WELLPATH DRUG DISPENSARY TOOL REQUIREMENTS:

- i) Patients are identified by SSN, and their names, addresses, and 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 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.
- 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 be a supervisor for each contract.
- xi) Each patient has a patient history identified uniquely by the history id as well as condition, doctor SSN, patient SSN, consultation date and prescription details.
- xii) A pharmacy has stock identified by stock id, tradename, and quantity.
- xiii) A pharmacy generates a bill identified by bill id, amount, drug id, drug SSN, patient SSN, doctor SSN and quantity which then determines the payment identified by payment id, insurance details, amount, payment method, quantity, and drug id.

xiv) Each patient makes payment.

xv) An account user can only be either a patient or a doctor but not both or neither. A user must have an email patient SSN or doctor SSN.

xvi) In order for a user to log into their account, they must have, either a patient SSN or doctor SSN, and password.

xvii) Each type of user has their permitted roles in the system. Each role is identified by role description, role id and role name.