

## **DRUG DISPENSING TOOL**

### **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 have to 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*

### **Additional Requirements**

1. Patient profile includes; BMI, blood pressure, allergies, Phone number, payment method, and next of kin.
2. For each drug the expiry should be included.
3. For each patient a history of the drugs given should be stored.
4. For each patient a list of their symptoms is to be included.
5. For each patient a list of their medical history.
6. For each patient a SMS alert should be sent out as a reminder to take the medicine prescribed.

*Git Hub account links*

<https://github.com/DaisyWM>

<https://github.com/Thuita24>