Requirements

i. **Patients** are identified by PatientSSN, names, addresses, and also ages.

ii. **Doctors** are identified by a DoctorSSN, name, specialty and years

of experience.

iii. Each **pharmaceutical company** is identified by company ID, name and a phone number.

iv. Each **drug** is identified by a trade name, formula, price and company ID.

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

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. Each pharmacy keeps record of the drugs in **stock** using stock ID and trade name.

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, quantity, patient name and drug trade names associated with it.

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 contract ID, start date, end date, text of the contract, pharmacy name and pharmaceutical company name.

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

for each contract

BREAKDOWN

PATIENT TABLE
Patient SSN
Patient Name
Address
Age
Primary Doctor

DOCTOR TABLE
Doctor SSN
Doctor Name
Specialty
Years of experience

PRESCRIPTION
Trade Name
Quantity

Doctor SSN
Patient Name

DRUG TABLE
Trade Name
Formula
Price
Company ID

STOCK TABLE
Stock ID
Pharmacy
Trade Name
Quantity

PHARMACEUTICAL COMPANY TABLE
Company ID
Name
Phone Number

CONTRACT TABLE
Contract ID
Pharmacy Name
Start Date
End Date
Supervisor
Text
Company Name

PHARMACY
Name
Address
PhoneNo
StockID