# REQUIREMENTS

i. Patients are identified by their National Identification numbers, their names, addresses, and ages. (it is assumed that patients using this drug dispensing tool are of legal age i.e. 18+ and if not, are using this tool in supervision of their parents or guardians)

ii. Doctors are identified by their doctor’s hospital ID number, for each doctor, the name, specialty and years of experience must be recorded.

(it is assumed that every doctor giving prescriptions is from a given hospital in our database, and is identifiable by his/her doctor’s ID.)

iii. Each pharmaceutical company is identified by name and has a phone number using which orders can be placed with and confirmed.

iv. For each drug, the trade name and formula must be recordered. 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, there is no need keep track of its products any longer.\*

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

vi. Every patient has a primary physician. Every doctor has at least one patient.(If the patient hasn’t got a primary physician, the phsician attending to him/her for the first time is keyed as his/her primary physician)

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. (it is assumed

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, there is 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