DRUG DISPENSING TOOL

DETAILED ENTITY RELATIONSHIP DIAGRAM

doctor

PK	SSN int NOT NULL
	name varchar (100) NOT NULL
	email_address varchar (50) NOT NULL
	phone_number int (15) NOT NULL
	speciality varchar (30) NOT NULL
	years_of_experience int NOT NULL

patient

PK	SSN int NOT NULL
	name varchar (100) NOT NULL
	email_address varchar (50) NOT NULL
	phone_number int (15) NOT NULL
	age int (5) NOT NULL

1 **treats** M

M **gets** 1...M

prescription

	date varchar (20) NOT NULL
	quantity varchar (20) NOT NULL
	patient.SSN int NOT NULL **FK**
	doctor.SSN int NOT NULL **FK**
	trade_name varchar (50) NOT NULL **FK**

prescribes

1 ... 1...M

drug

PK	trade_name varchar (50) NOT NULL
	formula varchar (100) NOT NULL

M **sells**

1 **sold at**

1 **sold by** 1

pharmaceutical company

PK	name varchar (100) NOT NULL
	email_address varchar (50) NOT NULL
	phone_number int (15) NOT NULL

pharmacy

PK	name varchar (50) NOT NULL
	email_address varchar (50) NOT NULL
	phone_number int (15) NOT NULL
	pharmacist_name varchar (100) NOT NULL
	trade name varchar (50) NOT NULL FK
	price float NOT NULL

M ... 1

1 **long_term_contract** M

has

contract

PK	text_of_contract varchar (200) NOT NULL
	start_date varchar (20) NOT NULL
	end_date varchar (20) NOT NULL
	supervisor.SSN int NOT NULL **FK**

1 **has** 1

supervisor

PK	SSN
	name varchar (100) NOT NULL