

1.

Patient (SSN,name,address,age)

Doctor(SSN,name,speciality,years_of_experience)

pharmaceutical_company(name,phone_number)

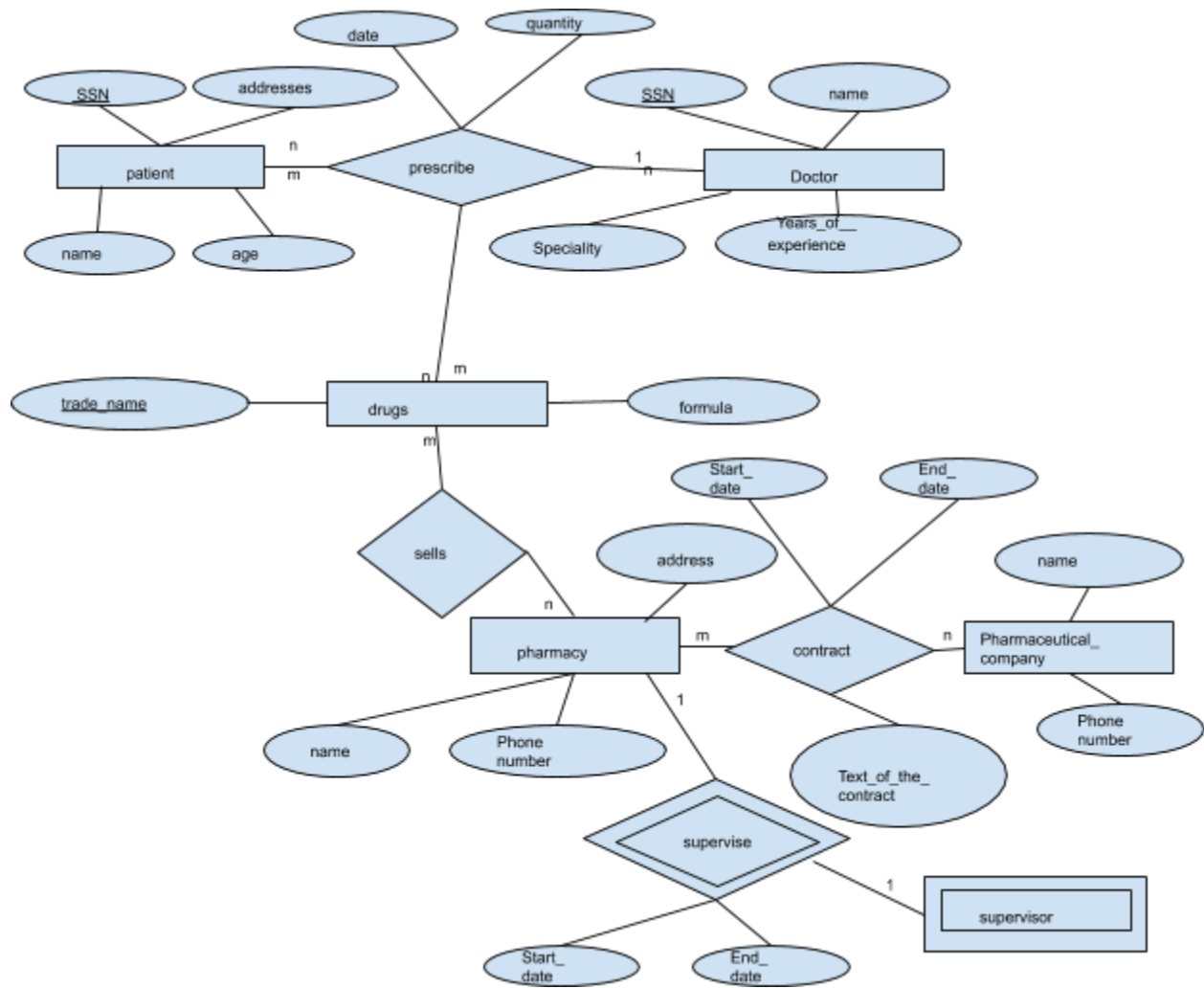
drug(trade_name,formula)

pharmacy(name,address,phone_number)

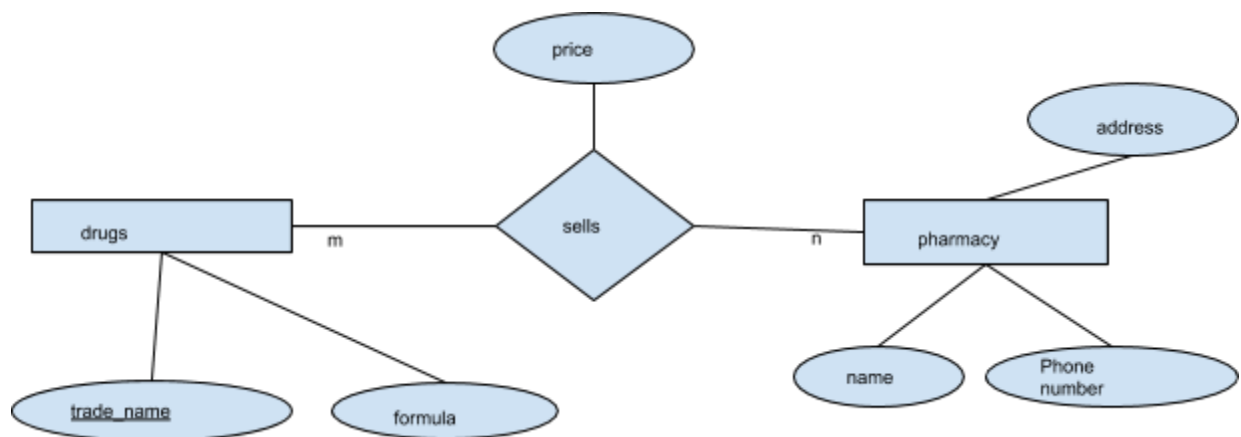
2.



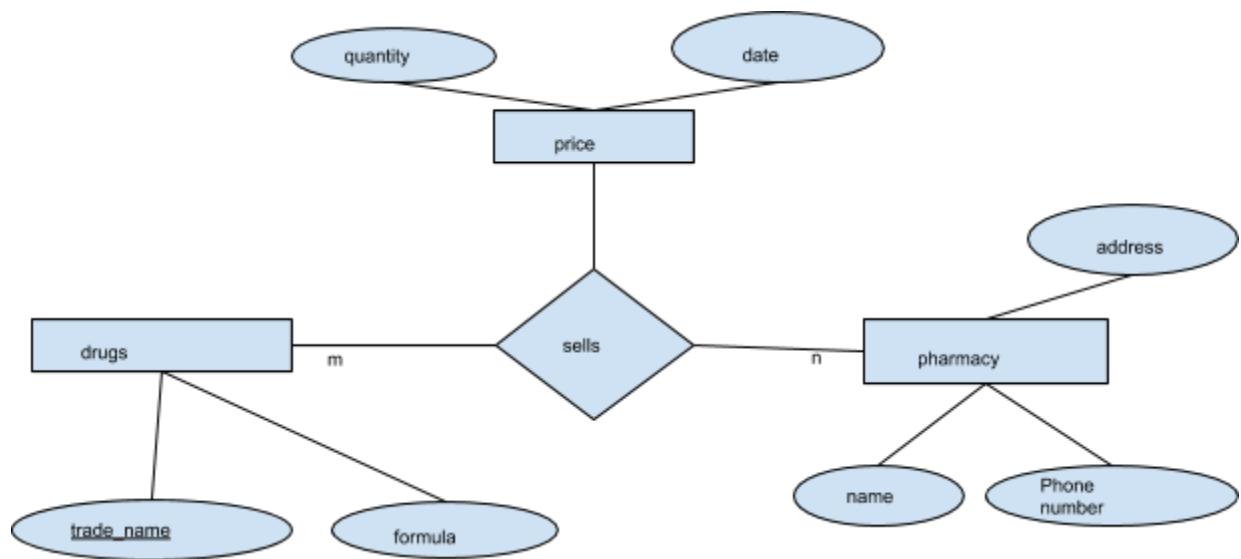
3.



4.



5.



6.

```

var doctorsSchema= new Schema({
  ssndocor:{type:String,index:true,unique:true,trim:true,required:true},
  name:{type:String},
  speciality:{type:String},
  year_exp:{type:Number,default:10}

```

```

var patientsSchema= new Schema({
  ssndocor:{type:Schema.Types.ObjectId,ref:'doctors',required:true},
  address:{type:String},
  age:{type:Number},
  name:{type:String},
  ssnpatient:{type:Number,index:true,unique:true,trim:true,required:true}

```

```

var pharmcoSchema= new Schema({
  name:{type:String,index:true,unique:true},
  phone:{type:Number}

```

```

var pharmaciesSchema= new Schema({
  pharmname:{type:String,index:true,unique:true},
  phone:{type:Number},
  address:{type:String}

```

```

var drugsSchema= new Schema({
  pharmconame:{type:Schema.Types.ObjectId,ref:'pharmco',required:true},
  pharmname:{type:Schema.Types.ObjectId,ref:'pharmacies',required:true},
  formula:{type:String},

```

```

    tradename:{type:String,index:true,unique:true,trim:true,required:true},

},
var sellsSchema= new Schema({
  pharmconame:{type:Schema.Types.ObjectId,ref:'pharmco',required:true},
  pharmname:{type:Schema.Types.ObjectId,ref:'pharmacies',required:true},
  tradename:{type:String,index:true,unique:true,trim:true,required:true},
  price:{type:Number}

}
var prescribesSchema= new Schema({
  pharmconame:{type:Schema.Types.ObjectId,ref:'pharmco',required:true},
  ssndocotor:{type:Schema.Types.ObjectId,ref:'doctors',required:true},
  ssnpatient:{type:Schema.Types.ObjectId,ref:'patients',required:true},
  formula:{type:String},
  tradename:{type:String,index:true,unique:true,trim:true,required:true},
  date:{type:Date},
  qty:{type:Number}

}
var contractsSchema= new Schema({
  pharmconame:{type:Schema.Types.ObjectId,ref:'pharmco',required:true},
  pharmname:{type:String,index:true,unique:true,trim:true,required:true},
  startdate:{type:Date},
  enddate:{type:Date},
  text:{type:String},
  supervisor:String},

}

```