**Physical Design**

Listed below are the tables that were set up in the physical design. There were some adjustments having to be made because mySQL would not let the foreign key relationships work for null variables. Trying to include a null from a primary key causes an error that states to change the primary key field to a unique key in order for the table to accept the null variable.

City Table

cityID INT(11) PK Non-Null

cityName VarChar(34) Non-Null

doctorOfficeVisit Table

doctorVisitID int(11) PK Non-Null

visitDate Date PK Non-Null

doctorID int(11)FK Non-Null

patientID int(11) FK Non-Null

doctors Table

doctorID int(11) pk Non-null

researcherID int(11) FK Non-Null

doctorFirstName VARCHAR(45) Non-Null

doctorLastName VARCHAR(45) Non-Null

doctorPhoneNumber VARCHAR(45) Non-Null

doctorEmail VARCHAR(45) Null

druginformation Table

DrugID int(11) pk Non-null

DrugName VARCHAR(45) Non-null

patientallergies Table

patientAllergy ID int(11) pk Non-null

allergyName VARCHAR(45) Non-null

patientinformation Table

patientFirstVisitDate DATE PK Non-Null

patientID INT(11) FK Non-Null

patientMedicationsID INT(11) Null

patientAllergyID INT(11) Null

patientLungDisorder VARCHAR(45) Non-null

patientHeartDisorder VARCHAR(45) Non-null

patientHighBP VARCHAR(45) Non-null

patientNervousDisorder VARCHAR(45) Non-null

patientDigestiveIssues VARCHAR(45) Non-null

patientCancerHistory VARCHAR(45) Non-null

patientKidneyDisease VARCHAR(45) Non-null

patientDiabetes VARCHAR(45) Non-null

patientArthritis VARCHAR(45) Non-null

patientHepatitis VARCHAR(45) Non-null

patientMalaria VARCHAR(45) Non-null

patientFamilyDepressionHistory VARCHAR(45) Non-null

patientBloodHistory VARCHAR(45) Non-null

patientDeformity VARCHAR(45) Non-null

PatientHearing VARCHAR(45) Non-null

PatientVision VARCHAR(45) Non-null

Patient OtherSymptoms MEDIUMTEXT Null

PatientDepressionLevel INT(11) non-Null

patientDepressionHistory VARCHAR(45) Non-null

patientDiagnosedDate DATE NULL

PatientSymptomsID INT(11) NULL

Patientmedications Table

patientMedicationsID INT(11) UniqueKey NULL

medicationName VARCHAR(45) null

patients Table

patientID INT(11) PK Non-Null

patientFirstName VARCHAR(45) Non-null

patientLastName VARCHAR(45) Non-null

patientAddress VARCHAR(45) Non-null

cityID INT(11) FK Non-Null

stated INT(11) FK Non-Null

zipcodeID INT(11) FK Non-Null

patientBirthDate DATE Non-Null

patientEmail VARCHAR(45) Null

patientPhoneNumber VARCHAR(45) Null

drugID INT(11) FK Non-Null

patientsymptoms Table

patientsymptomsID INT(11) Unique Key NULL

SymptomName VARCHAR(45) Null

Researcher Table

researcherID INT(11) PK Non-Null

researcherFirstName VARCHAR(45) Non-null

researcherLastName VARCHAR(45) Non-null

states Table

stated INT(11) PK Non-Null

stateName VARCHAR(45) Non-null

visitinformation Table

doctorVisitID INT(11) PK Non-Null

visitDate DATE PK Non-Null

patientBloodPressure VARCHAR(45) Non-null

patientWeight FLOAT Non-Null

patientPulse INT(11) Non-Null

patientCurrentDepression INT(11) PK Non-Null

patientCurrentSymptoms VARCHAR(45) Non-null

doctorsNotes MEDIUMTEXT NULL

patientContinuation VARCHAR(45) Non-null

zipcode Table

ZipcodeID INT(11) PK Non-Null

Zipcode INT(11) Non-Null