**Database design**

Patients

* Id
* Firstname
* Lastname
* DateOfBirth
* Gender
* phoneNo
* address
* email
* EmergencyContact
* Date

Medical\_conditions

* Id
* Firstname
* Lastname
* PastMedicalCondition
* SurgicalHistory
* Allergies
* CurrentMedications
* FamilyMedicalHistory
* Date

Tests

* Id
* Firstname
* Lastname
* BloodPressure
* Temperature
* HeartRate
* RespiratoryRate
* Height
* Weight
* PhysicalExamiation
* LabTest
* MRI
* X\_Ray
* Date

Medications\_and\_payments

* Id
* Firstname
* Lastname
* PrescribedMedication
* Dosage
* Frequency\_and\_instructions
* OrderedDiagnosticTests
* ReferralsToSpecialists
* ImmunizationRecords
* Schedule
* InsuranceInfo
* PaymentHistory
* Date

**Entity relationship diagram**

payed

checked

tested

Medications\_and\_payments

tests

Medical\_conditions

patients

**M**

**M**

**M**

**M M**

**M**

**SQL Code**

-- Patients Table

CREATE TABLE Patients (

Id INT PRIMARY KEY,

Firstname VARCHAR(50),

Lastname VARCHAR(50),

DateOfBirth VARCHAR(50),

Gender VARCHAR(12),

PhoneNo VARCHAR(12),

Address TEXT,

Email VARCHAR(50),

EmergencyContact VARCHAR(50),

Date DATE

);

-- Medical\_Conditions Table

CREATE TABLE Medical\_Conditions (

Id INT PRIMARY KEY,

Firstname VARCHAR(50),

Lastname VARCHAR(50),

PastMedicalCondition TEXT,

SurgicalHistory TEXT,

Allergies TEXT,

CurrentMedications TEXT,

FamilyMedicalHistory TEXT,

Date DATE

);

-- Tests Table

CREATE TABLE Tests (

Id INT PRIMARY KEY,

Firstname VARCHAR(50),

Lastname VARCHAR(50),

BloodPressure VARCHAR(20),

Temperature FLOAT,

HeartRate INT,

RespiratoryRate INT,

Height FLOAT,

Weight FLOAT,

PhysicalExamination TEXT,

LabTest TEXT,

MRI TEXT,

X\_Ray TEXT,

Date DATE

);

-- Medications\_and\_Payments Table

CREATE TABLE Medications\_and\_Payments (

Id INT PRIMARY KEY,

Firstname VARCHAR(50),

Lastname VARCHAR(50),

PrescribedMedication TEXT,

Dosage TEXT,

Frequency\_and\_instructions TEXT,

OrderedDiagnosticTests TEXT,

ReferralsToSpecialists TEXT,

ImmunizationRecords TEXT,

Schedule TEXT,

InsuranceInfo TEXT,

PaymentHistory TEXT,

Date DATE

);

create table auth (

id int primary key,

username varchar(50),

pass varchar(50)

);

insert into auth (id, username, pass) values(1, "admin", "1234");