CREATE TABLE Patient (

Patient INT PRIMARY KEY,

Name VARCHAR (100) NOT NULL,

Age INT,

Gender VARCHAR (10),

Contact Information VARCHAR (255)

);

CREATE TABLE Visit Record (

Visit INT PRIMARY KEY,

patient INT,

Visit Date DATE NOT NULL,

Diagnosis VARCHAR (255),

Treatment Plan VARCHAR (255),

FOREIGN KEY (patient) REFERENCES Patient(patient)

);

CREATE TABLE Treatment (

Treatment INT PRIMARY KEY,

Visit INT,

Medication VARCHAR (255),

Dosage VARCHAR (50),

FOREIGN KEY (Visit) REFERENCES Visit Record (Visit)

);

CREATE TABLE Lab Test (

TestID INT PRIMARY KEY,

Visit INT,

Test Type VARCHAR (100),

Test Result VARCHAR (255),

FOREIGN KEY (VisitID) REFERENCES Visit Record (VisitID)

);

CREATE TABLE Facility (

FacilityID INT PRIMARY KEY,

Facility Name VARCHAR (100),

Location VARCHAR (255)

);

CREATE TABLE Resource (

ResourceID INT PRIMARY KEY,

FacilityID INT,

Resource Name VARCHAR (100),

Quantity INT,

FOREIGN KEY (Facility) REFERENCES Facility (FacilityID)

);

CREATE TABLE User Role (

RoleID INT PRIMARY KEY,

Role Name VARCHAR (50),

Permissions VARCHAR (255)

);