

```
CREATE DATABASE MedicalSystem;
```

```
USE MedicalSystem;
```

```
-- Patient Table
```

```
CREATE TABLE Patient (
```

```
    Pid INT AUTO_INCREMENT PRIMARY KEY,
```

```
    Fname VARCHAR(50),
```

```
    Lname VARCHAR(50),
```

```
    Pnumber VARCHAR(15) UNIQUE,
```

```
    Email VARCHAR(100) UNIQUE,
```

```
    Password VARCHAR(255),
```

```
    Image VARCHAR(255),
```

```
    Location TEXT,
```

```
    Status boolean,
```

```
    Gender ENUM('Male', 'Female', 'Other')
```

```
);
```

```
-- Patient Details
```

```
CREATE TABLE Patient_Details (
```

```
    Pid INT PRIMARY KEY,
```

```
    Birthdate DATE,
```

```
    FOREIGN KEY (Pid) REFERENCES Patient(Pid) ON DELETE CASCADE
```

```
);
```

```
-- Doctor Table
```

```
CREATE TABLE Doctor (
```

```
Did INT AUTO_INCREMENT PRIMARY KEY,  
Fname VARCHAR(50),  
Lname VARCHAR(50),  
Pnumber VARCHAR(15) UNIQUE,  
Email VARCHAR(100) UNIQUE,  
Password VARCHAR(255),  
Gender ENUM('Male', 'Female', 'Other'),  
ConsultationType VARCHAR(100),  
ConsultationFee DECIMAL(10,2),  
Availability TEXT,  
CreatedAt TIMESTAMP DEFAULT CURRENT_TIMESTAMP,  
Image VARCHAR(255),  
YearExperience INT,  
Ststus boolean,  
Location VARCHAR(200)  
);
```

-- Doctor Degrees

```
CREATE TABLE Doctor_Degree (  
    Did INT,  
    Degree VARCHAR(255),  
    PRIMARY KEY (Did, Degree),  
    FOREIGN KEY (Did) REFERENCES Doctor(Did) ON DELETE CASCADE  
);
```

-- Doctor Specialization

```
CREATE TABLE Doctor_Specialization (  
    Did INT,  
    Specialization VARCHAR(255),  
    PRIMARY KEY (Did, Specialization),  
    FOREIGN KEY (Did) REFERENCES Doctor(Did) ON DELETE CASCADE  
);
```

-- Hospital Table

```
CREATE TABLE Hospital (  
    HospitalId INT AUTO_INCREMENT PRIMARY KEY,  
    Name VARCHAR(255),  
    Location TEXT  
);
```

-- Doctor-Hospital Relationship

```
CREATE TABLE Doctor_Hospital (  
    Did INT,  
    HospitalId INT,  
    PRIMARY KEY (Did, HospitalId),  
    FOREIGN KEY (Did) REFERENCES Doctor(Did) ON DELETE CASCADE,  
    FOREIGN KEY (HospitalId) REFERENCES Hospital(HospitalId) ON DELETE CASCADE  
);
```

-- Appointment Table

```
CREATE TABLE Appointment (  
    Aid INT AUTO_INCREMENT PRIMARY KEY,
```

```
Pid INT,  
Did INT,  
Date DATE,  
Time TIME,  
Type VARCHAR(50),  
FOREIGN KEY (Pid) REFERENCES Patient(Pid) ON DELETE CASCADE,  
FOREIGN KEY (Did) REFERENCES Doctor(Did) ON DELETE CASCADE  
);
```

-- Prescription Table

```
CREATE TABLE Prescription (  
    Rid INT AUTO_INCREMENT PRIMARY KEY,  
    Pid INT,  
    Did INT,  
    Duration VARCHAR(50),  
    Frequency VARCHAR(50),  
    Description TEXT,  
    FOREIGN KEY (Pid) REFERENCES Patient(Pid) ON DELETE CASCADE,  
    FOREIGN KEY (Did) REFERENCES Doctor(Did) ON DELETE CASCADE  
);
```

-- Medicine Table

```
CREATE TABLE Medicine (  
    Mid INT AUTO_INCREMENT PRIMARY KEY,  
    Name VARCHAR(255),  
    Type VARCHAR(100),
```

```
Manufacturer VARCHAR(255)
);

-- Prescription-Medicine Relationship
CREATE TABLE Prescription_Medicine (
    Rid INT,
    Mid INT,
    Dosage VARCHAR(100),
    PRIMARY KEY (Rid, Mid),
    FOREIGN KEY (Rid) REFERENCES Prescription(Rid) ON DELETE CASCADE,
    FOREIGN KEY (Mid) REFERENCES Medicine(Mid) ON DELETE CASCADE
);

-- Medical Record Table
CREATE TABLE Record (
    Rid INT AUTO_INCREMENT PRIMARY KEY,
    Pid INT,
    Diagnosis TEXT,
    BloodType VARCHAR(5),
    MedicalHistory TEXT,
    Allergies TEXT,
    CreatedAt TIMESTAMP DEFAULT CURRENT_TIMESTAMP,
    FOREIGN KEY (Pid) REFERENCES Patient(Pid) ON DELETE CASCADE
);

-- Invoice Table
```

```
CREATE TABLE Invoice (  
    Id INT AUTO_INCREMENT PRIMARY KEY,  
    Pid INT,  
    TotalAmount DECIMAL(10,2),  
    Discount DECIMAL(10,2),  
    FinalAmount DECIMAL(10,2),  
    PaymentMethod VARCHAR(50),  
    IssuedDate DATE,  
    PaymentStatus VARCHAR(50),  
    FOREIGN KEY (Pid) REFERENCES Patient(Pid) ON DELETE CASCADE  
);
```

-- Clinic Table

```
CREATE TABLE Clinic (  
    Cid INT AUTO_INCREMENT PRIMARY KEY,  
    Name VARCHAR(255),  
    Location TEXT,  
    Email VARCHAR(100) UNIQUE,  
    Pnumber VARCHAR(15) UNIQUE  
);
```

-- Feedback Table

```
CREATE TABLE Feedback (  
    Fid INT AUTO_INCREMENT PRIMARY KEY,  
    Pid INT,  
    Message TEXT,
```

```
Rating INT CHECK (Rating BETWEEN 1 AND 5),  
Date DATE,  
FOREIGN KEY (Pid) REFERENCES Patient(Pid) ON DELETE CASCADE  
);
```

-- Web Admin Table

```
CREATE TABLE WebAdmin (  
    Username VARCHAR(50) PRIMARY KEY,  
    Password VARCHAR(255)  
);
```

-- Clinic Admin Table

```
CREATE TABLE ClinicAdmin (  
    Username VARCHAR(50) PRIMARY KEY,  
    Password VARCHAR(255),  
    Email VARCHAR(100) UNIQUE  
);
```

-- Medicine Supplier Table

```
CREATE TABLE MedicineSupplier (  
    MsId INT AUTO_INCREMENT PRIMARY KEY,  
    Name VARCHAR(255),  
    Location TEXT,  
    Description TEXT,  
    WLink VARCHAR(255)  
);
```

-- HomeCare Table

```
CREATE TABLE HomeCare (  
    Hid INT AUTO_INCREMENT PRIMARY KEY,  
    Name VARCHAR(255),  
    Location TEXT,  
    Description TEXT  
);
```

-- Accounts Table

```
CREATE TABLE Accounts (  
    Aid INT AUTO_INCREMENT PRIMARY KEY,  
    BankName VARCHAR(255),  
    BNumber VARCHAR(50),  
    Location TEXT,  
    Total DECIMAL(15,2)  
);
```

```
CREATE TABLE clinic_doctor (  
    CCid int PRIMARY key AUTO_INCREMENT,  
    Cid INT REFERENCES clinic(Cid) ON DELETE CASCADE,  
    Did INT REFERENCES doctor(Did) ON DELETE CASCADE,  
);
```

```
CREATE TABLE PasswordReset (  
    Email VARCHAR(255) PRIMARY KEY,
```


Token VARCHAR(64) NOT NULL,

Expiry DATETIME NOT NULL

);