# **SEED DATA**

**Wiki Link :** <https://github.com/Tejaswireddyallam/GDPFall2024-Group2/wiki/Seed-Data>

**Project Title: Telemedicine Application**

**1. Access the Database Management System (DBMS) Interface:** Log in to your DBMS using your preferred tool. This could be any interface that enables database interaction, such as a graphical tool like MySQL Workbench or a command-line tool like the MySQL Command Line Client.

**2. Create a New Database:** If you haven’t already set up a database for your application, you may need to do so. Use the appropriate SQL command to create a new database.

CREATE DATABASE telemedicine\_dummy\_database;

**3. Select the Target Database:** After creating the database, use the relevant command to switch to it.

USE telemedicine\_dummy\_database;

**4. Create Tables:**

\\ Creating Patients Table

CREATE TABLE Patients (

PatientID INTEGER PRIMARY KEY,

Name VARCHAR(100),

Email VARCHAR(100),

Password VARCHAR(255),

Role VARCHAR(50),

ContactInfo VARCHAR(100)

Address VARCHAR(255),

);

\\ Creating Doctors Table

CREATE TABLE Doctors (

DoctorID INTEGER PRIMARY KEY,

Name VARCHAR(100),

Email VARCHAR(100),

Password VARCHAR(255),

Role VARCHAR(50),

ContactInfo VARCHAR(100)

Specialization VARCHAR(100),

Qualifications TEXT,

Availability VARCHAR(50),

);

\\Creating Appointments Table

CREATE TABLE Appointments (

AppointmentID INTEGER PRIMARY KEY,

PatientID INTEGER,

DoctorID INTEGER,

AdminID INTEGER,

DateTime DATETIME,

Status VARCHAR(50),

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID),

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),

FOREIGN KEY (AdminID) REFERENCES Administration(AdminID)

);

\\Creating Medical Records Table

CREATE TABLE MedicalRecords (

RecordID INTEGER PRIMARY KEY,

PatientID INTEGER,

DoctorID INTEGER,

AdminID INTEGER,

ConsultationNotes TEXT,

UploadFilePath VARCHAR(255),

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID),

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),

FOREIGN KEY (AdminID) REFERENCES Administration(AdminID)

);

\\Creating Prescriptions Table

CREATE TABLE Prescriptions (

PrescriptionID INTEGER PRIMARY KEY,

DoctorID INTEGER,

PatientID INTEGER,

AppointmentID INTEGER,

AdminID INTEGER,

MedicationDetails TEXT,

Date DATE,

Dosage VARCHAR(100),

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID),

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),

FOREIGN KEY (AppointmentID) REFERENCES Appointments(AppointmentID),

FOREIGN KEY (AdminID) REFERENCES Administration(AdminID)

);

\\Creating Messages Table

CREATE TABLE Messages (

MessageID INTEGER PRIMARY KEY,

DoctorID INTEGER,

PatientID INTEGER,

AdminID INTEGER,

Content TEXT,

Timestamp DATETIME,

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID),

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),

FOREIGN KEY (AdminID) REFERENCES Administration(AdminID)

);

\\Creating Notifications Table

CREATE TABLE Notifications (

NotificationID INTEGER PRIMARY KEY,

PatientID INTEGER,

DoctorID INTEGER,

AdminID INTEGER,

Content TEXT,

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID),

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),

FOREIGN KEY (AdminID) REFERENCES Administration(AdminID)

);

\\Creating Pharmacy Table

CREATE TABLE Pharmacy (

PharmacyID INTEGER PRIMARY KEY,

Name VARCHAR(100),

Location VARCHAR(255),

ContactInfo VARCHAR(100)

);

\\Creating Administration Table

CREATE TABLE Administration (

AdminID INTEGER PRIMARY KEY,

Name VARCHAR(100),

ContactInfo VARCHAR(100)

);

\\Creating Activity Log Table

CREATE TABLE ActivityLog (

LogID INTEGER PRIMARY KEY,

PatientID INTEGER,

DoctorID INTEGER,

AdminID INTEGER,

LogDatetime DATETIME,

Description TEXT,

Status VARCHAR(50),

FOREIGN KEY (PatientID) REFERENCES Patients(PatientID),

FOREIGN KEY (DoctorID) REFERENCES Doctors(DoctorID),

FOREIGN KEY (AdminID) REFERENCES Administration(AdminID)

);

**5. Insert Data into tables**

-- Inserting data into Patients Table

INSERT INTO Patients (PatientID, Name, Email, Password, Role, ContactInfo, Address) VALUES

(1, 'Alice Johnson', 'alice.johnson@example.com', 'hashedpassword1', 'patient', '555-1234', '123 Maple St.'),

(2, 'Bob Smith', 'bob.smith@example.com', 'hashedpassword2', 'patient', '555-5678', '456 Oak St.'),

(3, 'Carol White', 'carol.white@example.com', 'hashedpassword3', 'patient', '555-7890', '789 Birch St.');

-- Inserting data into Doctors Table

INSERT INTO Doctors (DoctorID, Name, Email, Password, Role, ContactInfo, Specialization, Qualifications, Availability) VALUES

(1, 'Dr. Sarah Lee', 'sarah.lee@example.com', 'hashedpassword4', 'doctor', '555-8765', 'Cardiology', 'MD, Cardiology Specialist', 'Mon-Fri 9AM-5PM'),

(2, 'Dr. Michael Brown', 'michael.brown@example.com', 'hashedpassword5', 'doctor', '555-4321', 'Dermatology', 'MD, Dermatology Expert', 'Tue-Thu 10AM-4PM'),

(3, 'Dr. Emily Davis', 'emily.davis@example.com', 'hashedpassword6', 'doctor', '555-6789', 'Pediatrics', 'MD, Pediatric Specialist', 'Mon-Wed 9AM-1PM');

-- Inserting data into Appointments Table

INSERT INTO Appointments (AppointmentID, PatientID, DoctorID, AdminID, DateTime, Status) VALUES

(1, 1, 1, 1, '2024-11-01 10:00:00', 'Scheduled'),

(2, 2, 2, 1, '2024-11-02 14:00:00', 'Completed'),

(3, 3, 3, 1, '2024-11-03 09:00:00', 'Pending');

-- Inserting data into MedicalRecords Table

INSERT INTO MedicalRecords (RecordID, PatientID, DoctorID, AdminID, ConsultationNotes, UploadFilePath) VALUES

(1, 1, 1, 1, 'Patient shows stable vitals; recommend further tests.', '/records/record1.pdf'),

(2, 2, 2, 1, 'Skin condition improved with treatment.', '/records/record2.pdf'),

(3, 3, 3, 1, 'Routine pediatric check-up completed.', '/records/record3.pdf');

-- Inserting data into Prescriptions Table

INSERT INTO Prescriptions (PrescriptionID, DoctorID, PatientID, AppointmentID, AdminID, MedicationDetails, Date, Dosage) VALUES

(1, 1, 1, 1, 'Ibuprofen 200mg, twice daily for pain relief', '2024-11-01', '200mg'),

(2, 2, 2, 2, 'Topical ointment, apply twice daily to affected area', '2024-11-02', 'Apply twice daily'),

(3, 3, 3, 3, 'Amoxicillin 250mg, three times a day for infection', '2024-11-03', '250mg');

-- Inserting data into Messages Table

INSERT INTO Messages (MessageID, DoctorID, PatientID, AdminID, Content, Timestamp) VALUES

(1, 1, 1, 1, 'Your appointment is confirmed for 2024-11-01.', '2024-10-25 10:00:00'),

(2, 2, 2, 1, 'Please review the treatment plan.', '2024-10-26 12:00:00'),

(3, 3, 3, 1, 'Follow-up scheduled for next week.', '2024-10-27 14:30:00');

-- Inserting data into Notifications Table

INSERT INTO Notifications (NotificationID, PatientID, DoctorID, AdminID, Content) VALUES

(1, 1, 1, 1, 'Appointment reminder for 2024-11-01'),

(2, 2, 2, 1, 'Treatment plan available for review'),

(3, 3, 3, 1, 'Follow-up scheduled for next week');

-- Inserting data into Pharmacy Table

INSERT INTO Pharmacy (PharmacyID, Name, Location, ContactInfo) VALUES

(1, 'Health First Pharmacy', '101 Main St.', '555-1234'),

(2, 'Wellness Drug Store', '202 South St.', '555-5678'),

(3, 'CarePlus Pharmacy', '303 West Ave.', '555-7890');

-- Inserting data into Administration Table

INSERT INTO Administration (AdminID, Name, ContactInfo) VALUES

(1, 'John Doe', '555-9999'),

(2, 'Anna Bell', '555-8888'),

(3, 'Samuel Grant', '555-7777');

-- Inserting data into ActivityLog Table

INSERT INTO ActivityLog (LogID, PatientID, DoctorID, AdminID, LogDatetime, Description, Status) VALUES

(1, 1, 1, 1, '2024-10-25 09:00:00', 'Scheduled appointment', 'Completed'),

(2, 2, 2, 1, '2024-10-26 11:30:00', 'Checked prescription details', 'Pending'),

(3, 3, 3, 1, '2024-10-27 13:45:00', 'Updated medical record', 'In Progress');

**6. Instructions for Loading Test Data into MySQL Database**

* Navigate to the Git Repository https://github.com/Tejaswireddyallam/GDPFall2024-Group2
* From the Repo, navigate to the Files directory where you will find the SQL file named telemedicine\_seed\_data.sql and then download it.
* Open MySQL Command Line or MySQL Workbench.
* To use the MySQL Command Line:
  + Start MySQL by entering your user details.
  + Load the SQL dump file using the command source path/to/telemedicine\_seed\_data.sql;
  + Replace path/to/telemedicine\_seed\_data.sql with the actual path to your SQL file.
* To use MySQL Workbench:
  + Open MySQL Workbench and connect to your MySQL server.
  + Go to File -> Open SQL Script... and select telemedicine\_seed\_data.sql file.
  + Click Execute button to run the script.

**7. Verify Data**

SELECT \* FROM Doctors;

SELECT \* FROM Patients;

SELECT \* FROM Appointments;

SELECT \* FROM MedicalRecords;

SELECT \* FROM Prescriptions;

SELECT \* FROM Messages;

SELECT \* FROM Notifications;

SELECT \* FROM Pharmacy;

SELECT \* FROM Administration;

SELECT \* FROM ActivityLog;