CLINIC MANAGEMENT SYSTEM

Team No: 4

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Database Design- ER Diagram



SQL Script:

USE ClinicManagementSystem;

CREATE TABLE TblRole(

RoleId INT IDENTITY(1,1) PRIMARY KEY,

RoleName VARCHAR(50) NOT NULL,

IsActive BIT);

CREATE TABLE TblUser

(UserId INT IDENTITY(1,1) PRIMARY KEY,

UserName VARCHAR(20),

UserPassword VARCHAR(20),

RoleId INT,

IsActive BIT,

CONSTRAINT FK\_LOGIN FOREIGN KEY(RoleId) REFERENCES TblRole(RoleId));

CREATE TABLE TblDoctor

(DoctorId INT IDENTITY(1,1) PRIMARY KEY,

DoctorName VARCHAR(30),

DoctorAddress VARCHAR(100),

DoctorPhone VARCHAR(15),

DoctorEmail VARCHAR(50),

DoctorAge INT,

DoctorGender VARCHAR(10),

DoctorQualification VARCHAR(30),

DoctorSpecialization VARCHAR(30),

DoctorDateOfJoining DATE,

IsActive BIT,

UserId INT FOREIGN KEY REFERENCES TblUser(UserId));

CREATE TABLE TblStaff

(StaffId INT IDENTITY(1,1) PRIMARY KEY,

StaffName VARCHAR(30),

StaffAddress VARCHAR(100),

StaffPhone VARCHAR(15),

StaffEmail VARCHAR(50),

StaffAge INT,

StaffGender VARCHAR(10),

StaffQualification VARCHAR(30),

StaffDateOfJoining DATE,

IsActive BIT,

UserId INT FOREIGN KEY REFERENCES TblUser(UserId));

CREATE TABLE TblPatient

(PatientId INT IDENTITY(1,1) PRIMARY KEY,

PatientName VARCHAR(30),

PatientAge INT,

PatientGender VARCHAR(10),

BloodGroup VARCHAR(10),

PatientAddress VARCHAR(100),

PatientPhone VARCHAR(20),

EmergencyContact VARCHAR(20),

PatientEmail VARCHAR(50),

IsActive BIT,

DoctorId INT FOREIGN KEY REFERENCES TblDoctor(DoctorId));

CREATE TABLE TblAppointment

(AppointmentId INT IDENTITY(1,1) PRIMARY KEY,

AppointmentDate DATE,

AppointmentTime TIME,

IsActive BIT,

PatientId INT FOREIGN KEY REFERENCES TblPatient(PatientId),

DoctorId INT FOREIGN KEY REFERENCES TblDoctor(DoctorId));

CREATE TABLE TblPrescription

(PrescriptionId INT IDENTITY(1,1) PRIMARY KEY,

PrescriptionNumber INT,

PrescriptionDate DATE,

IsActive BIT,

PatientId INT FOREIGN KEY REFERENCES TblPatient(PatientId),

DoctorId INT FOREIGN KEY REFERENCES TblDoctor(DoctorId));

CREATE TABLE TblMedicine

(MedicineId INT IDENTITY(1,1) PRIMARY KEY,

MedicineName VARCHAR(30),

Dosage VARCHAR(10),

IsActive BIT,

PrescriptionId INT FOREIGN KEY REFERENCES TblPrescription(PrescriptionId));

CREATE TABLE TblPrescribedTest

(PrescribedTestId INT IDENTITY(1,1) PRIMARY KEY,

PrescribedTestName VARCHAR(30),

IsActive BIT,

PrescriptionId INT FOREIGN KEY REFERENCES TblPrescription(PrescriptionId));

CREATE TABLE TblLabReport

(ReportId INT IDENTITY(1,1) PRIMARY KEY,

ReportNumber INT,

ReportDate DATE,

ReportNotes VARCHAR(50),

PatientId INT FOREIGN KEY REFERENCES TblPatient(PatientId),

IsActive BIT,

StaffId INT FOREIGN KEY REFERENCES TblStaff(StaffId),

DoctorId INT FOREIGN KEY REFERENCES TblDoctor(DoctorId));

CREATE TABLE TblTest

(TestId INT IDENTITY(1,1) PRIMARY KEY,

TestName VARCHAR(30),

NormalRange VARCHAR(20),

TestResult VARCHAR(30),

IsActive BIT,

ReportId INT FOREIGN KEY REFERENCES TblLabReport(ReportId),

StaffId INT FOREIGN KEY REFERENCES TblStaff(StaffId));

CREATE TABLE TblObservation

(ObservationId INT IDENTITY(1,1) PRIMARY KEY,

Observation VARCHAR(100),

DoctorNotes VARCHAR(MAX),

IsActive BIT,

DoctorId INT FOREIGN KEY REFERENCES TblDoctor(DoctorId));

CREATE TABLE TblPaymentBill

(BillId INT IDENTITY(1,1) PRIMARY KEY,

BillNumber INT,

BillDate DATE,

Amount MONEY,

IsActive BIT,

PatientId INT FOREIGN KEY REFERENCES TblPatient(PatientId));