Date : 13 - 09 - 24

Clinic Management

Tables :

2. Roles Table

Column Name	Data Type	Constraints
RoleID	INT	PRIMARY KEY, IDENTITY(1,1)
RoleName	NVARCHAR(50)	NOT NULL, UNIQUE

1. Users Table

Column Name	Data Type	Constraints
UserID	INT	PRIMARY KEY, IDENTITY(1,1)
UserName	NVARCHAR(100)	NOT NULL, UNIQUE
Password	NVARCHAR(MAX)	NOT NULL
RoleID	INT	FOREIGN KEY REFERENCES Roles(RoleID)

3. Receptionist Table

Column Name	Data Type	Constraints
ReceptionistID	INT	PRIMARY KEY, IDENTITY(1,1)
ReceptionistName	NVARCHAR(100)	NOT NULL
PhoneNumber	NVARCHAR(15)	NOT NULL
UserID	INT	FOREIGN KEY REFERENCES Users(UserID)

4. Doctors Table

Column Name	Data Type	Constraints
DoctorID	INT	PRIMARY KEY, IDENTITY(1,1)
DoctorName	NVARCHAR(100)	NOT NULL
Age	INT	NOT NULL
Specialization	NVARCHAR(100)	NOT NULL
Email	NVARCHAR(100)	NOT NULL, UNIQUE
PhoneNumber	NVARCHAR(15)	NOT NULL
UserID	INT	FOREIGN KEY REFERENCES Users(UserID)

5. DoctorAvailability Table

Column Name	Data Type	Constraints
AvailabilityID	INT	PRIMARY KEY, IDENTITY(1,1)
AvailabilityStatus	NVARCHAR(50)	NOT NULL
AvailableDate	DATETIME	NOT NULL
DoctorID	INT	FOREIGN KEY REFERENCES Doctors(DoctorID)

6. Patients Table

Column Name	Data Type	Constraints
PatientID	INT	PRIMARY KEY, IDENTITY(1,1)
FirstName	NVARCHAR(100)	NOT NULL
LastName	NVARCHAR(100)	NOT NULL
DateOfBirth	DATE	NOT NULL
Gender	NVARCHAR(10)	NOT NULL
PhoneNumber	NVARCHAR(15)	NOT NULL
Email	NVARCHAR(100)	
Address	NVARCHAR(200)	

7. Appointments Table

Column Name	Data Type	Constraints
`AppointmentID`	INT	PRIMARY KEY, IDENTITY(1,1)
`PatientID`	INT	FOREIGN KEY REFERENCES `Patients(PatientID)`
`DoctorID`	INT	FOREIGN KEY REFERENCES `Doctors(DoctorID)`
`AppointmentDate`	DATETIME	NOT NULL
`AppointmentStatus`	NVARCHAR(50)	NOT NULL
`ReasonForVisit`	NVARCHAR(500)	
`AppointmentTime`	NVARCHAR(50)	NOT NULL

8. MedicalRecords Table

Column Name	Data Type	Constraints
`MedicalRecordID`	INT	PRIMARY KEY, IDENTITY(1,1)
`PatientID`	INT	FOREIGN KEY REFERENCES `Patients(PatientID)`
`AppointmentID`	INT	FOREIGN KEY REFERENCES `Appointments(AppointmentID)`
`DoctorID`	INT	FOREIGN KEY REFERENCES `Doctors(DoctorID)`
`MedicalNotes`	NVARCHAR(MAX)	
`Prescription`	NVARCHAR(MAX)	
`IsBillGenerated`	INT	DEFAULT 0

9. Billing Table

Column Name	Data Type	Constraints
`InvoiceID`	INT	PRIMARY KEY, IDENTITY(1,1)
`PatientID`	INT	FOREIGN KEY REFERENCES `Patients(PatientID)`
`AppointmentID`	INT	FOREIGN KEY REFERENCES `Appointments(AppointmentID)`
`InvoiceDate`	DATETIME	NOT NULL
`Amount`	DECIMAL(10,2)	NOT NULL

10.Admin Table

Column Name	Data Type	Constraints
AdminID	INT	Primary Key
AdminName	NVARCHAR(100)	Not Null
Email	NVARCHAR(100)	Not Null
PhoneNumber	NVARCHAR(15)	Not Null
UserID	INT	Foreign Key (References Users table)