Basic Schema of CMS

Acronyms Used:

U - Uniqueness Constraint / Entity Integrity Constraint
NN - Not Null
FK - ForeignKey Constraint / Referential Integrity Constraint
PK - PrimaryKey Constraint (U,NN)

Schema Constructs:

LoginTable

ColumnName	DataType	Constraints
LoginID	int (autoincrement)	PK (U,NN)
Password	varchar(20)	NN
Email	varchar(30)	NN, U
Type	int	NN

PK is LoginID

Patient

ColumnName	DataType	Constraints
PatientID	integer	PK, FK
Name	varchar(20)	NN
Phone	char(12)	
Address	varchar(40)	
BirthDate	Date	NN
Gender	char(1)	NN

PatientID is the PrimaryKey and also a ForeignKey which is referencing LoginID in 'Lo

Department

ColumnName	DataType	Constraints
DeptNo	int	PK
DeptName	varchar(20)	NN,U
Description	varchar(100)	

DeptNo is PK

Doctor

ColumnName	DataType	Constraints
DoctorID	integer	PK, FK
Name	varchar(20)	NN
Phone	char(12)	
Address	varchar(40)	
BirthDate	Date	NN
Gender	char(1)	NN
Deptno	integer	FK, NN
Charges_Per_Visit	float	NN
MonthlySalary	float	
ReputeIndex	float	
Patients_Treated	integer	NN
Qualification	varchar(50)	NN
Specialization	varchar(50)	
Work_Experience	integer	
Status	integer	NN

DoctorID is the PrimaryKey and also a ForeignKey which is referencing LoginID in 'Log
And Deptno is FK from Department Table

OtherStaff

ColumnName	DataType	Constraints
StaffID	int (autoincrement)	PK
Name	varchar(20)	NN
Phone	char(12)	
Address	varchar(30)	
Designation	varchar(15)	NN
Gender	char(1)	NN
BirthDate	Date	
Highest_Qualification	varchar(20)	
Salary	float	

PK is StaffID.

Appointment

ColumnName	DataType	Constraints
AppointID	int (autoincrement)	PK(U,NN)
DoctorID	integer	FK
PatientID	integer	FK
Date	Date	
Appointment_Status	integer	
Bill_Amount	float	
Bill_Status	int	
Disease	varchar(30)	
Progress	varchar(50)	
Prescription	varchar(60)	

PK is AppointmentID and DoctorID is FK from Doctor Table and PatientID is FK from I

Pending_Feedback

ColumnName	DataType	Constraints
AppointmentID	integer	PK, FK
DoctorID	integer	FK,NN
PatientID	integer	FK,NN

AppointmentID is PK and also FK from Appointment Construct
DoctorID is FK from Doctor Table
PatientID is FK from Patient Table