

Programming Assignment Unit 1

In this assignment, I created a Database Called Hospital, with the Entities as follows:

1. Doctor
2. Patient
3. Assignment

For the Doctor Table I added an Auto Increment with Primary Key Constraint in the doctorID field

Then for the Doctor Name field I added a Not Null Constraint with Variable Character datatype (Varchar) in Doctor Name, doctor phone and specialty

I also added an Integer (int) datatype in the specialty number field.

Column	Data Type	Constraints
doctorID	int <i>Auto Increment</i>	PRIMARY KEY (Entity integrity constraint)
doctor name	varchar(50) NOT NULL	NOT NULL
doctor phone	varchar(15) NOT <i>NULL</i>	NOT NULL
specialty number	int	NOT <i>NULL</i> (Unique constraint)

For the Patient Table I added an Auto Increment with Primary Key Constraint in the patientID field

Then for the Patient Name field I added a Not Null Constraint with Variable Character datatype (Varchar2(25)) in patient e-mail Not Null Varchar2(25), patient address Varchar2(50), patient added date Not Null with date date time datatype date(6) and Not Null allergies varchar90

I also added an Integer (int) unique key datatype in the doctorID field.

The Patient Table

Column	Data Type	Constraints
patientID	int <i>Auto Increment</i>	PRIMARY KEY (Entity integrity constraint)
patient name	varchar(25)	NOT NULL
patient phone	varchar(15)	NOT NULL

patient e-mail	varchar(25)	NOT NULL
patient address	varchar(50)	NOT NULL
patient added date	datetime(6)	NOT NULL
allergies	varchar(25)	NOT NULL

The Appointment Table

The appointment table consists of two foreign keys referencing both the Doctor & Patient Table in doctorID & patientID

The columns are the referential Identity of the base tables Doctor & Patients

Column	Data Type	Constraints
AppointmentID	int <i>Auto Increment</i>	PRIMARY KEY (Entity integrity constraint)
appointment date	datetime(6)	NOT NULL
doctorID	int	FOREIGN KEY (Referential integrity constraint)
patientID	int	FOREIGN KEY (Referential integrity constraint)
blood pressure	varchar(25)	NOT NULL
pulse_treatment_notes_of_doctor	varchar(255)	NOT NULL
medicines	varchar(50)	NOT NULL