HOSPTTAL MANAGEMENT SYSTEM

1. Create a Postgre database with the following tables. Define field types based on your understanding.

   Doctor

      a. DoctorId (PK)
      b. Specialist

   Patient

      a. Id (PK)
      b. FirstName
      c. LastName
      d. DoctortId (It should be set as a foreign key to Doctor table)
      e. Age
      f. Email
      g. PhoneNo
      h. Gender
      i. Disease
      j. Specialist

2. Create a.NET core MVC project using repository pattern
3. Use Entity framework with PostgreSQL with Data first approach.
4. Create a screen to show the list of records as shown in first screenshot
5. Create Add/Edit form as shown in 2nd image
   1. Add/Edit methods must be separate. Use partial view for Add and Edit forms.
   2. If you are not going for nice to have features 1 & 2, use Dropdown control to populate existing **Doctor** and use its Id to save the **Patient** record.
   3. On click of Delete, record should get deleted from the database and record should get disappeared from the list on UI.
   4.

Nice To Have:

   1. **Specialist** field must be auto-suggest control. If user selects existing **Doctor**, then it should use its Id in the new/existing **Patient** record while saving to database.
   2. If user enters name that doesn't exist in the **Doctor** table, then on click of Save button, it should create a new **Doctor** record in the **Doctor** table and its Id should be used in the new/existing **Patient** record in Add/edit form
   3. Paging / Pagination
   4. Use Validations on front-end

Note: Finish the task within the specified timeframe of 5 hours, from **1:30 PM to 6:30 PM**, and establish a new folder name **Assignment** within the same project repository in GitHub. Ensure that the assignment is **committed before 7:00 PM**; Any changes made after **7:00 PM will not be accepted and will result in the negative marking**. Share the GitHub link with the coordinator once the assignment is completed within the designated time.

Hospital Management System

ADD Patient

Search

Patient ID	First Name	Last Name	Email	Age	Phone Number	Gender	Disease	Doctor	Action
1	Brinn	Jephcote	jephcote2@gmail.com	47	9876543212	Female	Cardiologist	Heart Disease	Edit Delete
2	Kenneth	MacElholm	kmacelholm1@sina.com.cn	31	7598765432	Male	Numerologist	Brain-Disease	Edit Delete
3	Kimmy	Penniall	kpenniall2@biblegateway.com	53	7654321987	Female	Physiotherapist	Joint Pain	Edit Delete
4	Amity	Guillard	aguillard3@blogspot.com	37	9876543213	female	Gynacologist	Gynacology	Edit Delete
5	Munmro	Wrangle	mwrangle4@network.org	48	6376543213	Male	Surgeon	Surgery	Edit Delete
6	Hunter	Lammenga	hlammenga5@studiopress.com	62	9412345675	Male	MBBS	Fever/Flu	Edit Delete
7	Dot	Staterfield	dstaterfield6@icq.com	73	9876543217	Female	BDS	Dental	Edit Delete
8	Monika	Noni	mnoni7@eventbrite.com	65	9987654321	Female	Cardiologist	Heart Disease	Edit Delete
9	Ganny	Cammacke	gcammacke8@pbs.org	38	8765432198	Male	Physiotherapist	Joint Pain	Edit Delete
10	William	Farnish	wfarnish9@163.com	50	6123456789	female	Gynacologist	Gynacology	Edit Delete

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Hospital Management System

ADD Patient

Search

Patient ID	First Name	Last Name	En					Doctor	Action
1	Brinn	Jephcote	je				ogist	Heart Disease	Edit Delete
2	Kenneth	MacElholm	kn				logist	Brain-Disease	Edit Delete
3	Kimmy	Penniall	kp				herapist	Joint Pain	Edit Delete
4	Amity	Guillard	ag				logist	Gynacology	Edit Delete
5	Munmro	Wrangle	m					Surgery	Edit Delete
6	Hunter	Lammenga	hl					Fever/Flu	Edit Delete
7	Dot	Staterfield	ds					Dental	Edit Delete
8	Monika	Noni	m				ogist	Heart Disease	Edit Delete
9	Ganny	Cammacke	gc				herapist	Joint Pain	Edit Delete
10	William	Farnish	wfarnish9@163.com	50	6123456789	female	Gynacologist	Gynacology	Edit Delete

Pateint Form

First Name | Last Name

Email | Age

Gender ◯ Male ◯ Female ◯ Others | Phone Number

Disease ▾ | Specialist

Cancel | Save

Items per page: 10 ▾   1 – 10 of 209   ‹ ›

ADD Patient

Search

Patient ID	First Name	Last Name	En				Doctor	Action	
1	Brinn	Jephcote	je			ogist	Heart Disease	Edit	Delete
2	Kenneth	MacElholm	kn			logist	Brain-Disease	Edit	Delete
3	Kimmy	Penniall	kp			herapist	Joint Pain	Edit	Delete
4	Amity	Guillard	ag			logist	Gynacology	Edit	Delete
5	Munmro	Wrangle	m				Surgery	Edit	Delete
6	Hunter	Lammenga	hla				Fever/Flu	Edit	Delete
7	Dot	Staterfield	ds				Dental	Edit	Delete
8	Monika	Noni	m			ogist	Heart Disease	Edit	Delete
9	Ganny	Cammacke	gc			herapist	Joint Pain	Edit	Delete
10	William	Farnish	wfarnish9@163.com	50	6123456789	female	Gynacologist	Gynacology	Edit	Delete

Pateint Form

First Name
Brinn

Last Name
Jephcote

Email
jephcote2@gmail.com

Age
47

Gender ○ Male ○ Female ○ Others

Phone Number
9876543212

Disease
Heart Disease ▾

P|

Physiotherapist

Cancel   Update

Items per page: 10 ▾   1 – 10 of 209   ‹ ›