

STUDENT MANAGEMENT SYSTEM

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

Course

- a. Id (PK)
- b. Name

Student

- a. Id (PK)
 - b. FirstName
 - c. LastName
 - d. CourseId (It should be set as a foreign key to **Course** table)
 - e. Age
 - f. Email
 - g. Gender
 - h. Course
 - i. Grade
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 **Course** and use its Id to save the **Student** record.
 3. On click of Delete, record should get deleted from the database and record should get disappeared from the list on UI.

Nice To Have:

1. **Course** field must be auto-suggest control. If user selects existing **Course**, then it should use its Id in the new/existing **Student** record while saving to database.
2. If user enters name that doesn't exist in the **Course** table, then on click of Save button, it should create a new **Course** record in the **Course** table and its Id should be used in the new/existing **Student** 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.

Search

Student ID	First Name	Last Name	Email	Age	Gender	Course	Grade	Action
1	Brinn	Jephcote	jephcote2@gmail.com	7	Female	English	1st-3rd	<div>EditDelete</div>
2	Kenneth	MacElholm	kmacelholm1@sina.com.cn	11	Male	Hindi	4th-6th	<div>EditDelete</div>
3	Kimmy	Penniall	kpenniall2@biblegateway.com	13	Female	Social	7th-8th	<div>EditDelete</div>
4	Amity	Guillard	aguillard3@blogspot.com	17	others	Science	9th-12th	<div>EditDelete</div>
5	Munmro	Wrangle	mwrangle4@network.org	8	Male	English	1st-3rd	<div>EditDelete</div>
6	Hunter	Lammenga	hlammenga5@studiopress.com	12	Male	Hindi	4th-6th	<div>EditDelete</div>
7	Dot	Staterfield	dstaterfield6@icq.com	13	Female	Social	7th-8th	<div>EditDelete</div>
8	Monika	Noni	mnoni7@eventbrite.com	15	Female	Maths	9th-12th	<div>EditDelete</div>
9	Ganny	Cammacke	gcammacke8@pbs.org	8	Male	English	1st-3rd	<div>EditDelete</div>
10	William	Farnish	wfarnish9@163.com	10	Male	Hindi	4th-6th	<div>EditDelete</div>

Items per page: 10

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Search

Student ID	First Name	Last Name	Email	Age	Gender	Course	Grade	Action
1	Brinn	Jephcote	je			English	1st-3rd	<div>EditDelete</div>
2	Kenneth	MacElholm	k			Hindi	4th-6th	<div>EditDelete</div>
3	Kimmy	Penniall	k			Social	7th-8th	<div>EditDelete</div>
4	Amity	Guillard	a			Science	9th-12th	<div>EditDelete</div>
5	Munmro	Wrangle	m			English	1st-3rd	<div>EditDelete</div>
6	Hunter	Lammenga	h			Hindi	4th-6th	<div>EditDelete</div>
7	Dot	Staterfield	d			Social	7th-8th	<div>EditDelete</div>
8	Monika	Noni	m			Maths	9th-12th	<div>EditDelete</div>
9	Ganny	Cammacke	g			English	1st-3rd	<div>EditDelete</div>
10	William	Farnish	w			Hindi	4th-6th	<div>EditDelete</div>

Items per page: 10

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Student Form

First Name

Ex. Reet

Last Name

Email

Date Of Birth

MM/DD/YYYY

Gender

☐ Male ☐ Female ☐ Others

Grade

Course

Cancel

Save

Student Management System

ADD STUDENT

Search

Student ID	First Name	Last Name	Email	Age	Gender	Course	Grade	Action
1	Brinn	Jephcote	jephcote@gmail.com	10	Male	English	1st-3rd	<div>EditDelete</div>
2	Kenneth	MacElholm	kenneth.maceholm@gmail.com	10	Male	Hindi	4th-6th	<div>EditDelete</div>
3	Kimmy	Penniall	kimmy.penniall@gmail.com	10	Female	Social	7th-8th	<div>EditDelete</div>
4	Amity	Guillard	amity.guillard@gmail.com	10	Female	Science	9th-12th	<div>EditDelete</div>
5	Munnro	Wrangle	munnro.wrangle@gmail.com	10	Male	English	1st-3rd	<div>EditDelete</div>
6	Hunter	Lammenga	hunter.lammenga@gmail.com	10	Male	Hindi	4th-6th	<div>EditDelete</div>
7	Dot	Staterfield	dot.staterfield@gmail.com	10	Female	Social	7th-8th	<div>EditDelete</div>
8	Monika	Noni	monika.noni@gmail.com	10	Female	Maths	9th-12th	<div>EditDelete</div>
9	Ganny	Cammacke	ganny.cammacke@gmail.com	10	Female	English	1st-3rd	<div>EditDelete</div>
10	William	Farnish	william.farnish@gmail.com	10	Male	Hindi	4th-6th	<div>EditDelete</div>

Items per page: 10

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Student Form

First Name

Brinn

Last Name

Jephcote

Email

jephcote2@gmail.com

Date Of Birth

MM/DD/YYYY

Gender

Male

Female

Others

Grade

1st-3rd

M

Maths

Cancel