

USER MANAGEMENT SYSTEM

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

City

- a. Id (PK)
- b. Name

User

- a. Id (PK)
 - b. FirstName
 - c. LastName
 - d. CityId (It should be set as a foreign key to City table)
 - e. Age
 - f. Email
 - g. PhoneNo
 - h. Gender
 - i. City
 - j. Country
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
 - Add/Edit methods must be separate. Use partial view for Add and Edit forms.
 - If you are not going for nice to have features 1 & 2, use Dropdown control to populate existing **City** and use its Id to save the **User** record.
 - 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. **City** field must be auto-suggest control. If user selects existing **City**, then it should use its Id in the new/existing **User** record while saving to database.
2. If user enters name that doesn't exist in the **City** table, then on click of Save button, it should create a new **City** record in the **City** table and its Id should be used in the new/existing **User** 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.

User Management System

[ADD USER](#)

User ID	First Name	Last Name	Email	Age	Phone Number	Gender	City	Country	Action
1	Brinn	Jephcote	bjephcote0@archive.org	23	9876543219	Female	Indore	India	Edit Delete
2	Kenneth	MacElholm	kmacelholm1@sina.com.cn	56	7598765432	Male	Jabalpur	India	Edit Delete
3	Kimmy	Penniall	kpenniall2@biblegateway.com	45	6123456789	Female	Mumbai	India	Edit Delete
4	Amity	Guillard	aguillard3@blogspot.com	22	9412345675	others	Pune	India	Edit Delete
5	Munmro	Wrangle	mwrangle4@network.org	76	6376543213	Male	Mumbai	India	Edit Delete
6	Hunter	Lammenga	hlammenga5@studiopress.com	36	9412345675	Male	Texas	USA	Edit Delete
7	Dot	Staterfield	dstaterfield6@icq.com	56	6376543213	Female	London	UK	Edit Delete
8	Monika	Noni	mnoni7@eventbrite.com	76	9987654321	Female	Cape Town	Europe	Edit Delete
9	Ganny	Cammacke	gcammacke8@pbs.org	30	8765432198	Male	Arkansas	USA	Edit Delete
10	William	Farnish	wfarnish9@163.com	42	6123456789	Male	Bangalore	India	Edit Delete

Items per page: 10 1 ~ 10 of 209 < >

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User ID	First Name	Last Name	Email	Age	Phone Number	Gender	City	Country	Action
1	Brinn	Jephcote	bjephcote0@archive.org	23	9876543219	Female	Indore	India	Edit Delete
2	Kenneth	MacElholm	kmacelholm1@sina.com.cn	56	7598765432	Male	Jabalpur	India	Edit Delete
3	Kimmy	Penniall	kpenniall2@biblegateway.com	45	6123456789	Female	Mumbai	India	Edit Delete
4	Amity	Guillard	aguillard3@blogspot.com	22	9412345675	others	Pune	India	Edit Delete
5	Munmro	Wrangle	mwrangle4@network.org	76	6376543213	Male	Mumbai	India	Edit Delete
6	Hunter	Lammenga	hlammenga5@studiopress.com	36	9412345675	Male	Texas	USA	Edit Delete
7	Dot	Staterfield	dstaterfield6@icq.com	56	6376543213	Female	London	UK	Edit Delete
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10	William	Farnish	wfarnish9@163.com	42	6123456789	Male	Bangalore	India	Edit Delete

User Form

<input type="text" value="First Name"/>	<input type="text" value="Last Name"/>
<input type="text" value="Email"/>	<input type="text" value="Date Of Birth"/> <small>MM/DD/YYYY</small>
Gender <input type="radio"/> Male <input type="radio"/> Female <input type="radio"/> Others	<input type="text" value="Phone Number"/>
<input type="text" value="Country"/>	<input type="text" value="City"/>
Cancel	Save

Items per page: 10 1 ~ 10 of 209 < >

ADD USER

Search

User ID	First Name	Last Name	Email	Age	Phone Number	Gender	Country	City	Action
1	Brinn	Jephcote						Indore	India Edit Delete
2	Kenneth	MacElholm						Jabalpur	India Edit Delete
3	Kimmy	Penniall						Mumbai	India Edit Delete
4	Amity	Guillard						Pune	India Edit Delete
5	Mumro	Wrangle						Mumbai	India Edit Delete
6	Hunter	Lammenga						Texas	USA Edit Delete
7	Dot	Staterfield						London	UK Edit Delete
8	Monika	Noni						Cape Town	Europe Edit Delete
9	Ganny	Cammacke						Arkansas	USA Edit Delete
10	William	Farnish	wfarnish9@163.com	42	6123456789	Male		Bangalore	India Edit Delete

User Form

First Name

William

Last Name

Farnish

Email

wfarnish9@163.com

Date Of Birth

MM/DD/YYYY

Gender

☐ Male ☐ Female ☐ Others

Phone Number

6123456789

Country

India

Ah

Ahemdabad

Cancel