For Junior

You need to create a web application with using REST API.

The application should provide the simple Web API service with CRUD operations for one business entity stored in DB.

IMPORTANT:

Your solution and architecture should be designed and implemented using the best patterns and practices.

Requirements for frameworks

Backend: .NET Core, EF Core

Frontend: Angular 4+

DB engine: MySQL or MSSQL

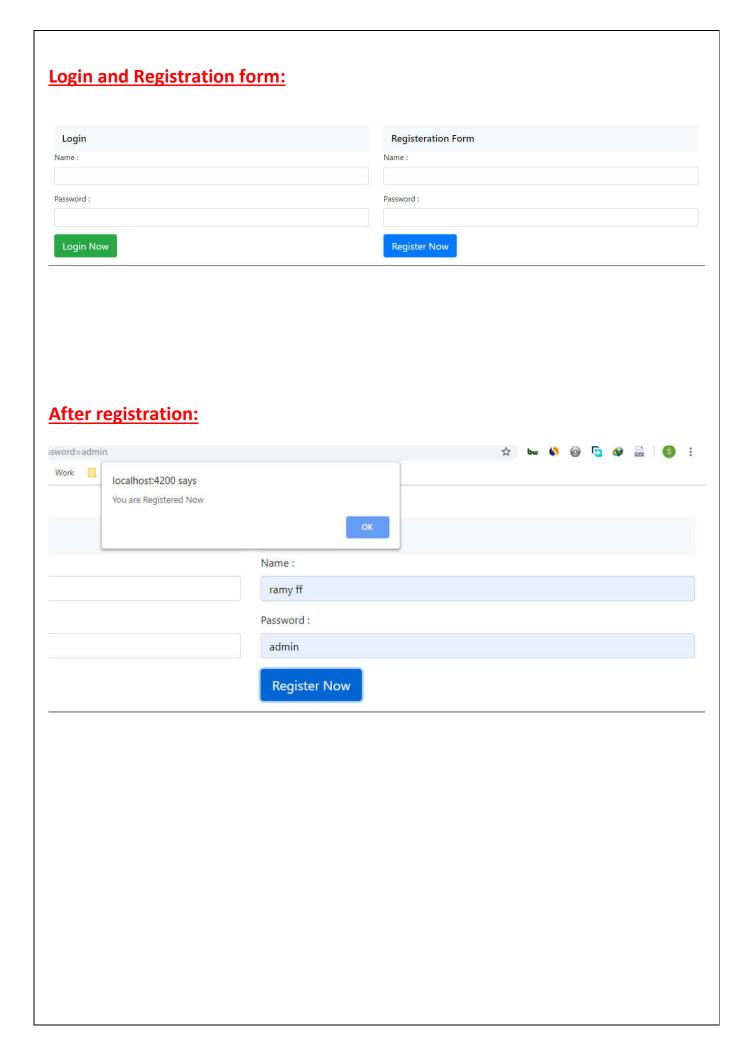Full description

Backend requirements and description:

1. authorization/authentication needed

2. N-tier (multilayered) architecture should be implemented using any DI framework

3. DB should be created via Code First approach with migration

4. Only 1 table `User` should be added with 3 columns: `ID`, `Name`, `IsActive` (IsActive column should be used for soft delete)

5. All API endpoints should use asynchronous actions with predefined routes

6. Web API should have:

- Only 1 controller for CRUD operations
- Exception handling with their logging to file
- AutoMapper or any other object-object mapper

Frontend requirements and description:

1. UI should have:

- ⬜ The simple grid for review records from DB
- ⬜ `Add` button for adding new records
- ⬜ `Delete` button for each row in grid
- ⬜ Inline editing

2. All requests should use REST API

Acceptance criteria:

1. The application should work as expected without crashing and errors

2. Clear naming of classes, methods and variables

3. Using the best and simple approach

Login and Registration form:

Login	
Name :	
Password :	
Login Now	

Registeration Form	
Name :	
Password :	
Register Now	

After registration:

sword=admin

Work

localhost:4200 says

You are Registered Now

OK

Name :

ramy ff

Password :

admin

Register Now

After Login

Login

Name :

ramy

Password :

admin

Login Now

Login

Name :

Password :

Login Now

Registeration Form

Name :

Password :

Register Now

Name Of User:

Save New User

Logout

Name	Status	Performing...
ramez	false	**DELETE**
ramyd	true	**DELETE**
ramy f	true	**DELETE**

After you Login
You can add user:

Name Of User:

[user]

Save New User

Logout

Name	Status	Performing...
ramez	false	DELETE
ramyd	true	DELETE
ramy f	true	DELETE
ramy45	false	DELETE
ramykk	true	DELETE
ele skk	true	DELETE
kjkj	true	DELETE

Name Of User:

[ ]

Save New User

Logout

Name	Status	Performing...
ramez	false	DELETE
ramyd	true	DELETE
ramy f	true	DELETE
ramy45	false	DELETE
ramykk	true	DELETE
ele skk	true	DELETE
kjkj	true	DELETE
user	true	DELETE

You can Delete Logically

Name	Status	Performing...
ramez	false	DELETE
ramyd	true	DELETE
ramy f	true	DELETE
ramy45	false	DELETE
ramykk	true	DELETE
ele skk	true	DELETE
kjkj	true	DELETE
user	true	DELETE

You can Update User

Name Of User:

ramy45

Save New User

Logout

Name	Status	Performing...
ramez	false	DELETE
ramyd	true	DELETE
ramy f	true	DELETE
ramy45	false	DELETE
ramykk	true	DELETE
ele skk	true	DELETE
kjkj	true	DELETE
user	true	DELETE

Name Of User:

Save New User

Logout

Name	Status	Performing...
ramez	false	DELETE
ramyd	true	DELETE
ramy f	true	DELETE
ramy55	false	DELETE
ramykk	true	DELETE
ele skk	true	DELETE
kjkj	true	DELETE
user	true	DELETE

Finally, you can Log Out

Password :

Password :

Login Now

Register Now

Name Of User:

Name	Status	Performing...
ramez	false	DELETE
ramyd	true	DELETE
ramy f	true	DELETE
ramy55	false	DELETE
ramykk	true	DELETE
ele skk	true	DELETE

Save New User

Logout

Login

Name :

Registeration Form

Name :

Password :

Password :

Login Now

Register Now