10/09

Setting up an API

Startup class

STEP 1:

Set up CORS(Cross-origin resource)

To allow restricted resources on webpage to be requested from different domains [Domains come blocked with the project automatically]

CODE

Text

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services.AddCors(c =>

c.AddPolicy("AllowOrigin", options => options.AllowAnyOrigin().AllowAnyMethod().AllowAnyMethod()));

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app.UseCors(options => options.AllowAnyOrigin().AllowAnyMethod().AllowAnyHeader());

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STEP 2

Setup Serialization

* Serialization is the process of converting an object into a stream of bytes to store the object to the memory

This will allow us to keep JSON as our serializer by default

1. Install NuGet Package (Microsoft.AspNetCore.Mvc.NewtonsoftJson)
2. Import namespace (using Newtonsoft.Json.Serialization)
3. In the Start.cs Configure services method

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services.AddControllersWithViews().AddNewtonsoftJson(

options => options.SerializerSettings.ReferenceLoopHandling =

Newtonsoft.Json.ReferenceLoopHandling.Ignore).AddNewtonsoftJson(

options => options.SerializerSettings.ContractResolver =

new DefaultContractResolver()

);

STEP 3

Add API specific models where needed and Controllers

1. Setup controller to receive and take data from the application’s dbContext

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