.NET CORE WEB API

**Folder/File:**

Dependency -> packages

launchsettings

appsettings

program.cs

models

controller

**Configure the cross-origin Resource sharing**

Add CORS service in builder with options such as allowanyorigin, any header, any method.

Use #region for code

Add CORS service to pipeline.

**Install Entity framework core:**

.core

.tools

.design

.sqlserver

**Create Models:**

Eg: country.cs for dbcontext table column

**Create Controller:**

\* HttpGet, Put, Post, Delete.

\* ProducesResponseType (conflict(), created(), CreatedAtAction(“”, new{id = country.id}, country), BadRequest(), NoContent())

\*savechanges

\* Update, Remove, Add, Find,ToList()

\* Ok()

\*NoContent()

\*[FromBody]

\* AsQueryable

\* ToLower, Trim,

**Configure for database Connectivity**

\*Use builder services AddDbContext options => bind usesqlserver (Configuration.getconnectionstring(“name”))

**Migration And Update Database**

\*Add-Migration “”, update-database

**Status Code:**

\* 200 – 299: success

200: OK, 201: Created, 204: No content

\* 400 – 499: success

400: Badrequest, 404: NotFound, 409: Conflict

\* 500 – 599: success

500: Internal Server Error

**DTO(Data Transfer Object):**

Wrapper for entity or databasemodel to avoid directly expose to API.

\*Automapper configure to map the dto with model column.

**Repository Pattern:**

Using service interface we inject (dependency injection) database instead of directly given in controller.

**Generic Repository Pattern:**

Wrapper for entity or databasemodel to avoid directly expose to API.

\*Automapper configure to map the dto with model column.