**Entity Framework Setup**

**How to setup Ef Core in Program.cs to get connected and all works**

First open program.cs ang type this then you can modify depends on your own setup and connection name

using Asp.NetCore\_MVC\_Practice.EntityDbData;

using Microsoft.EntityFrameworkCore;

var builder = WebApplication.CreateBuilder(args);

// Add services to the container.

builder.Services.AddControllersWithViews();//ito yung connection string at connection ng Ef Core

builder.Services.AddDbContext<ApplicationDbContext>(options=> options.UseSqlServer(builder.Configuration.GetConnectionString("DbConnection")));// ito yung name ng connection string

var app = builder.Build();

// Configure the HTTP request pipeline.

if (!app.Environment.IsDevelopment())

{

app.UseExceptionHandler("/Home/Error");

// The default HSTS value is 30 days. You may want to change this for production scenarios, see https://aka.ms/aspnetcore-hsts.

app.UseHsts();

}

app.UseHttpsRedirection();

app.UseRouting();

app.UseAuthorization();

app.MapStaticAssets();

app.MapControllerRoute(

name: "default",

pattern: "{controller=Home}/{action=Index}/{id?}")

.WithStaticAssets();

app.Run();

1. Install Entity Framework Core & Entity Framework Sqlserver in ManageNuget Package
2. Create a Model class and name what ever you want [key] represent reminder to id this is Id [required ] is reminder to this is data of user input

using System.ComponentModel.DataAnnotations;

namespace Asp.NetCore\_MVC\_Practice.Models

{

public class DbTable

{

[Key]

public int Id { get; set; }

[Required]

public string Name { get; set; }

public int age { get; set; }

}

}

1. Create a folder outside after that inside of folder create a class then write this

using Asp.NetCore\_MVC\_Practice.Models;

using Microsoft.EntityFrameworkCore;

using Microsoft.EntityFrameworkCore.Diagnostics;

namespace Asp.NetCore\_MVC\_Practice.EntityDbData

{

public class ApplicationDbContext : DbContext

{

public ApplicationDbContext(DbContextOptions<ApplicationDbContext> options) : base (options)

{

}

public DbSet<DbTable> StudentInfo { get; set; }//ito yung table sa Model yung variable name dito ito yung magiging table name

}

}

1. Command to Execute this table

First make sure nan aka install ito install moto sa **Package manager console** - Install-Package Microsoft.EntityFrameworkCore.Tools

Second after ma install yan type mo tong command nato – add migration

Add-migration means execute the class into SqlServer

Third after ma migrate type mo ito – update-database

update-database means yung table nayun after ma migrate kapag nag type ka nito automatic ma crecreate na yung table

Note: kapag gagawa another table ganyan lang rin bali gagawa kalang new Models class

Bali ang pinaka core logic dito kapag mag add ka ng table add-migration muna bago update-database ganyan lang rin kapag may changes ka sa column or kapag nag add ka ng column