**Starting a new project (in CMD)**

- dotnet new web --no-https -o ProjectName

- can also run "dotnet new mvc --no-https -o ProjectName"

(will build out MVC folders and edit Startup.cs for you, double check though until you’re comfortable knowing everything that’s already built into the program!)

- navigate to ProjectFolder

- dotnet new viewimports -o Views

- dotnet add package Pomelo.EntityFrameworkCore.MySql --version 3.1.1 (lets us connect to MySql)

- dotnet add package Microsoft.EntityFrameworkCore.Design --version 3.1.5

- setx ASPNETCORE\_ENVIRONMENT Development

**Configure Startup.cs**

- Add "using Microsoft.Extensions.Configuration;" (not on the platform!)

- Add "ProjectName.Models;" (used for DB connector)

- Add “using Microsoft.EntityFrameworkCore;”

- Add "app.UseSession();"

- Add "app.UseStaticFiles();"

- Add "app.UseMvc();" //make sure this is last!

- Remove the "app.UseRouting()" and "app.UseEndpoints()" lines of code

- in "public static void ConfigureServices(IServiceCollection services)

{

ADD THESE LINES --> services.AddSession();

services.AddMvc(options => options.EnableEndpointRouting = false);

**Setting up folders/files in parent folder**

- Create wwwroot (for static files) and include “css”, “img”, “js” folders

<link rel="stylesheet" href="~/css/style.css"/> in the HTML head

- Create Models and Controllers folders (Views already created above)

- Create Home folder in Views (mimics HomeController) and Shared folder (for partials)

- in "appsettings.json" after "'AllowedHosts': '\*'" add

",

"DBInfo":

{

"Name": "MySQLconnect",

"ConnectionString": "server=localhost;userid=root;password=root;port=3306;database=DATABASENAME;SslMode=None"

}"

- in Controllers Folder, create HomeController.cs

- using System.Collections.Generic;

- using Microsoft.AspNetCore.Mvc;

- using ProjectName.Models;

- using Microsoft.aspNetCore.Http; //This is where session comes from

- using System.Linq;

- namespace ProjectName.Controllers

- In Models Folder, create the Context class

**MyContext.cs**

- using Microsoft.EntityFrameworkCore;

namespace ProjectName.Models

{

// the MyContext class representing a session with our MySQL

// database allowing us to query for or save data

public class MyContext : DbContext <---- "MyContext" can be called whatever, just name it context related

{

public MyContext(DbContextOptions options) : base(options) { }

// the "ObjectTypes" table name will come from the DbSet variable name

public DbSet<ObjectType> ObjectTypes { get; set; }

//Make sure you are adding a DbSet for every single model you wish the translate to the database!

}

}

- in other Model files

- “using System.ComponentModel.DataAnnotations;”

- namespace ProjectName.Models

**\*\*\*Don’t forget to import class into your cshtml pages! “@model ProjectName.Models.Class”\*\*\***

**\*\*\* and if nothing is working see if “using System;” is at the top of your cs file :o) \*\***