

Step 1 - Terminal

<code>dotnet tool install --global dotnet-ef</code>	You will only ever need to run this once as it is a global install not project specific
<code>dotnet new mvc --no-https -o ProjectDirectoryName</code>	Creates new dotnet MVC Project for development

Step 2

<code>dotnet add package Pomelo.EntityFrameworkCore.MySql --version 3.1.1</code>	Entity Framework Core provider for MySQL DB's
<code>dotnet add package Microsoft.EntityFrameworkCore.Design --version 3.1.5</code>	EF Core tools for DB creation/migration

These two commands must be run in your project folder every time you set up a new MVC project !

Step 3 - appsettings.json && Startup.cs

<pre>"DBInfo": { "Name": "MySQLconnect", "ConnectionString": "server=localhost;userid=root;password=root;port=3306;database=monsterdb;SslMode=None" }</pre>	<p>Add this at the end of your appsettings.json file.</p> <p><i>Don't forget a comma before this new section!</i></p>
<pre>services.AddDbContext<MyContext>(options => options.UseMySQL (Configuration["DBInfo:ConnectionString"]));</pre>	<p>Add this to the ConfigureServices method in Startup.cs</p>

Step 4 - Context File

```
using Microsoft.EntityFrameworkCore;
namespace Monster.Models
{
    public class DBContextClassName : DbContext
    {
        public DBContextClassName(DbContextOptions options) : base(options) { }
        public DbSet<ModelName> TableName { get; set; }
    }
}
```



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Step 5 - Model Example

```
using System;
using System.ComponentModel.DataAnnotations;
namespace ProjDirName.Models
{
    public class ModelName
    {
        [Key]
        public int ModelNameId { get; set; }
        Set all properties here
        public DateTime CreatedAt { get; set; } = DateTime.Now;
        public DateTime UpdatedAt { get; set; } = DateTime.Now;
        Set Navigation Properties
    }
}
```

Step 6 - Context Dependency Injection

```
using System;
using System.Collections.Generic;
using System.Linq;
using Microsoft.EntityFrameworkCore;
using ProjDirName.Models;
public HomeController(ContextClassName context)
{
    _context = context;
}

[HttpGet("")]
public IActionResult Index()
{
    List<ModelName> VariableName = _context.TableName.ToList();

    return View();
}
```



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