**In the name of God**

**Learning ASP.NET Core MVC (.NET 5)**

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**Version 1.0**

**Branch: STEP\_1**

1. **In visual studio 2019**
   1. **Create a new project**
      1. **ASP.NET Core Empty**
         1. **.NET 5.0**
         2. **Configure for HTTPS**
2. **Use Application instead of IIS Express**
3. **Fix Application**
4. **Fix appsettings.json**
5. **In Properties Folder** 🡪 **Fix launchSettings.json**
6. **Right Click on Application (Project) 🡪 Select Properties Menu Item 🡪 Startup object: Application.Program**
7. **Fix Program.cs**

using Microsoft.AspNetCore.Hosting;

using Microsoft.Extensions.Hosting;

namespace Application

{

public class Program : object

{

public Program() : base()

{

}

public static void Main(string[] args)

{

// Run -> using Microsoft.Extensions.Hosting;

CreateHostBuilder(args).Build().Run();

}

public static Microsoft.Extensions.Hosting.IHostBuilder CreateHostBuilder(string[] args)

{

var hostBuilder =

Microsoft.Extensions.Hosting.Host.CreateDefaultBuilder(args)

.ConfigureWebHostDefaults(webBuilder =>

{

// UseStartup -> using Microsoft.AspNetCore.Hosting;

webBuilder.UseStartup<Startup>();

});

return hostBuilder;

}

}

}

1. **Fix Startup.cs**

**Branch: STEP\_2**

1. **Create Controllers Folder**
2. **Right click on Controllers Folder** 🡪 **Select Add Menu Item** 🡪 **Select Controller Menu Item** 🡪 **Select MVC Controller – Empty Item 🡪 Create HomeController**
3. **Fix HomeController**

namespace Application.Controllers

{

public class HomeController : Microsoft.AspNetCore.Mvc.Controller

{

public HomeController() : base()

{

}

public Microsoft.AspNetCore.Mvc.ViewResult Index()

{

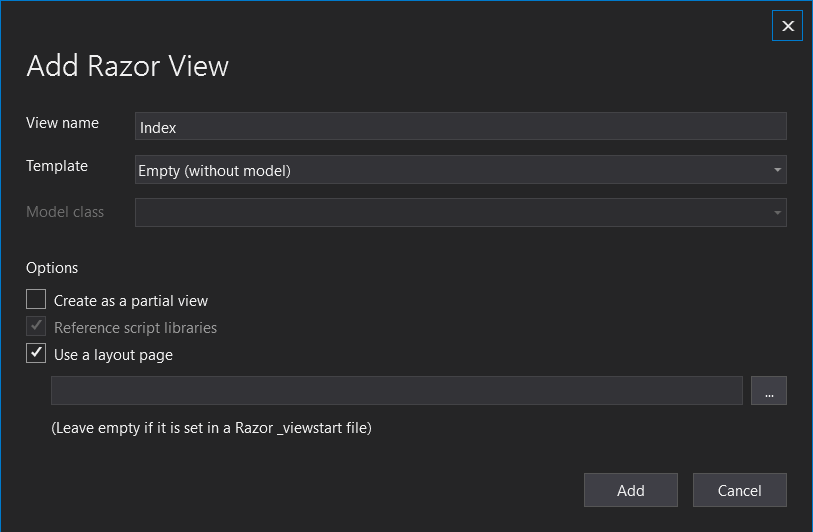
return View();

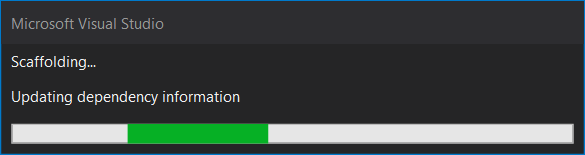
}

}

}

1. **Right click on [Index()] 🡪 Select [Add View] menu item 🡪 Select [Razor View] 🡪 Click on [Add] Button**





1. **In created folder: Views** 🡪 **In created folder Home** 🡪 **Fix Index.cshtml**

@{

ViewData["Title"] = "Index";

}

<h1>

Home

</h1>

1. **In [Views] folder 🡪 Create folder 🡪 [Shared]**
2. **In [Shared] folder 🡪 Create [\_Layout.cshtml]**

[**https://getbootstrap.com/**](https://getbootstrap.com/)

[**https://getbootstrap.com/docs/5.1/getting-started/download/**](https://getbootstrap.com/docs/5.1/getting-started/download/)

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="utf-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0" />

<title>@(ViewData["Title"])</title>

<link href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-F3w7mX95PdgyTmZZMECAngseQB83DfGTowi0iMjiWaeVhAn4FJkqJByhZMI3AhiU" crossorigin="anonymous">

</head>

<body>

<header>

</header>

<div class="container">

@(RenderBody())

</div>

<footer class="border-top footer text-muted">

</footer>

<script src="https://cdn.jsdelivr.net/npm/bootstrap@5.1.1/dist/js/bootstrap.bundle.min.js" integrity="sha384-/bQdsTh/da6pkI1MST/rWKFNjaCP5gBSY4sEBT38Q/9RBh9AH40zEOg7Hlq2THRZ" crossorigin="anonymous"></script>

</body>

</html>

1. **In [Views] folder 🡪 Create [\_ViewStart.cshtml]**

@{

Layout = "\_Layout";

}

1. **In [Views] folder 🡪 Create [\_ViewImports.cshtml]**

@using Application

@addTagHelper \*, Microsoft.AspNetCore.Mvc.TagHelpers

1. **Fix Application**
2. **Fix Startup.cs:**

using Microsoft.AspNetCore.Builder;

using Microsoft.Extensions.Hosting;

using Microsoft.Extensions.DependencyInjection;

namespace Application

{

public class Startup : object

{

public Startup() : base()

{

}

public void ConfigureServices

(Microsoft.Extensions.DependencyInjection.IServiceCollection services)

{

// using Microsoft.Extensions.DependencyInjection;

services.AddControllersWithViews();

}

public void Configure

(Microsoft.AspNetCore.Builder.IApplicationBuilder app,

Microsoft.AspNetCore.Hosting.IWebHostEnvironment env)

{

// IsDevelopment -> using Microsoft.Extensions.Hosting;

if (env.IsDevelopment())

{

// UseDeveloperExceptionPage -> using Microsoft.AspNetCore.Builder;

app.UseDeveloperExceptionPage();

}

// UseHttpsRedirection -> using Microsoft.AspNetCore.Builder;

app.UseHttpsRedirection();

// UseStaticFiles -> using Microsoft.AspNetCore.Builder;

app.UseStaticFiles();

// UseRouting -> using Microsoft.AspNetCore.Builder;

app.UseRouting();

// UseRouting -> using Microsoft.AspNetCore.Builder;

//app.UseCookiePolicy();

// UseRouting -> using Microsoft.AspNetCore.Builder;

//app.UseAuthentication();

// UseRouting -> using Microsoft.AspNetCore.Builder;

//app.UseAuthorization();

// UseEndpoints -> using Microsoft.AspNetCore.Builder;

app.UseEndpoints(endpoints =>

{

// MapControllerRoute -> using Microsoft.AspNetCore.Builder;

endpoints.MapControllerRoute(

name: "default",

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

});

}

}

}