

# C# Web – MVC

# PRO/PRW - C# Web 1

#### DE HOGESCHOOL MET HET NETWERK

Hogeschool PXL – Elfde-Liniestraat 24 – B-3500 Hasselt www.pxl.be - www.pxl.be/facebook



# Doel

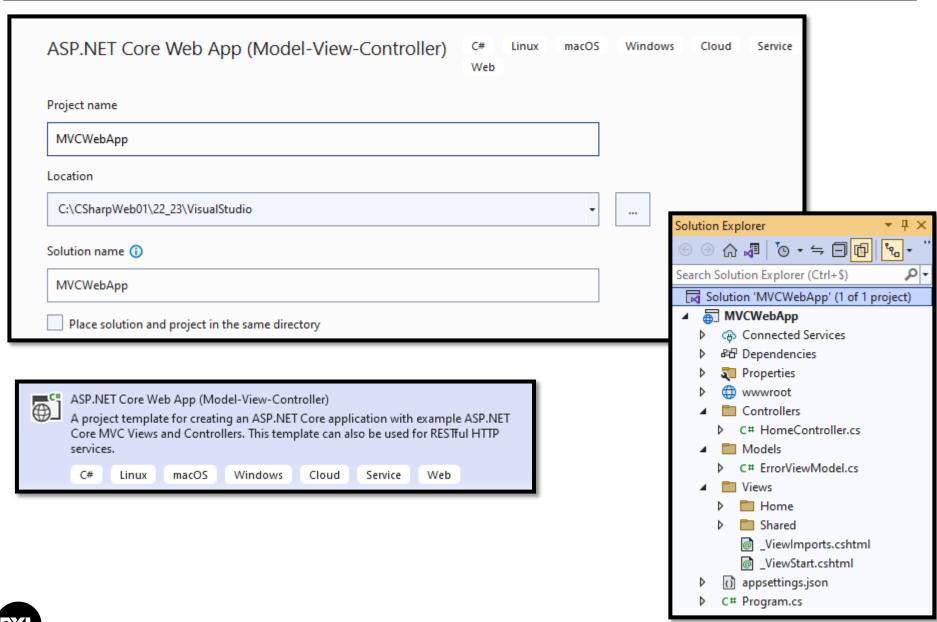
- ASP.Net Core toepassing
  - MVC Web Application
    - Models
    - Views
    - Controllers

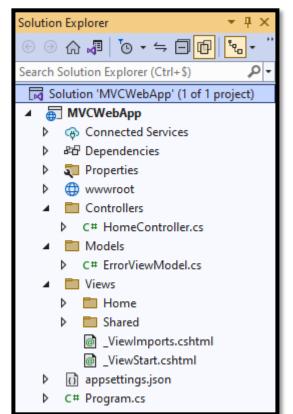


# **ASP.NET CORE**

**MVC Web Application** 

### MVCWebApp





#### Program.cs

```
var builder = WebApplication.CreateBuilder(args);
// Add services to the container.
builder.Services.AddControllersWithViews();
var app = builder.Build();
// Configure the HTTP request pipeline.
if (!app.Environment.IsDevelopment())
    app.UseExceptionHandler("/Home/Error");
        app.UseHsts();
app.UseHttpsRedirection();
app.UseStaticFiles();
app.UseRouting();
app.UseAuthorization();
app.MapControllerRoute(
    name: "default",
    pattern: "{controller=Home}/{action=Index}/{id?}");
app.Run();
```

### **MVC Project – Folders & Files**

- Models
- Views
  - Home
    - Index.cshtml
  - Shared
    - \_Layout.cshtml
- Controllers
  - HomeController
    - Index() Action (HttpGet)
- wwwroot
- Program.cs
- Appsettings.json

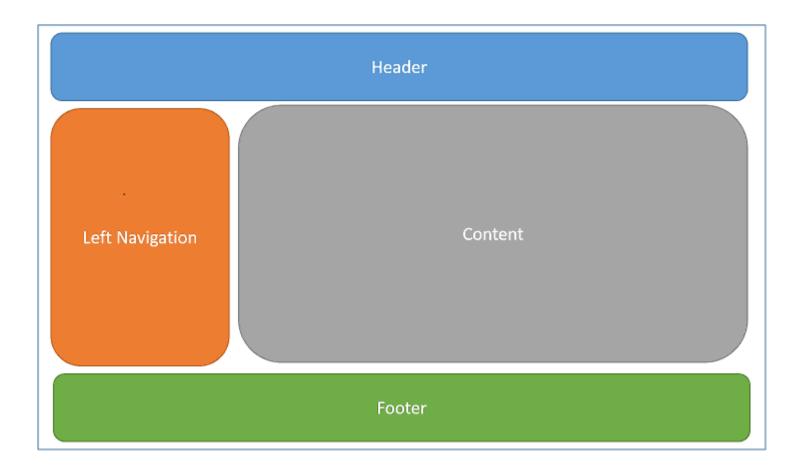


### Views/Home

Home/Index.cshtml

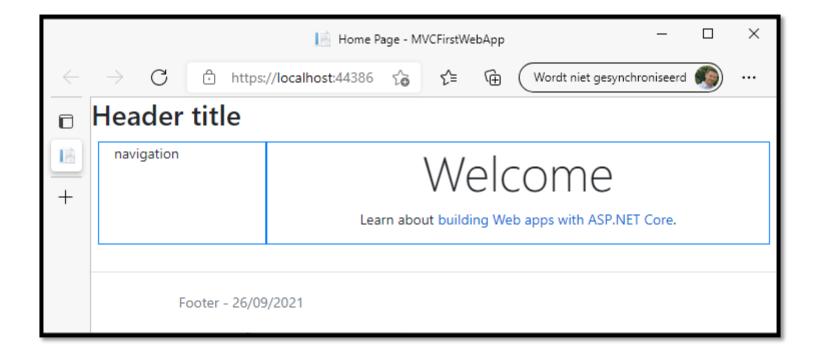
## **Views/Shared**

\_Layout.cshtml





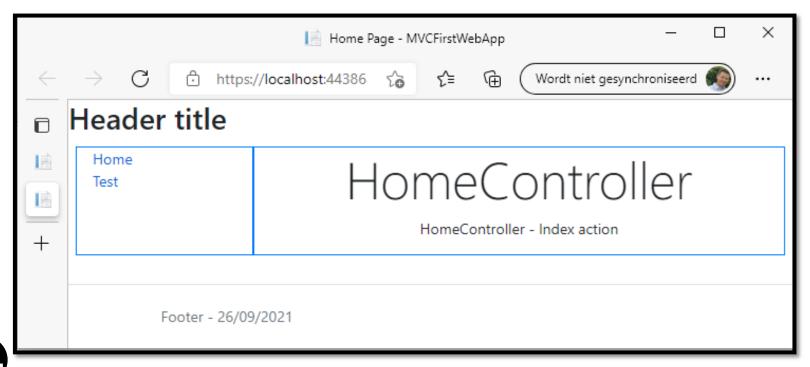
### Styling the content



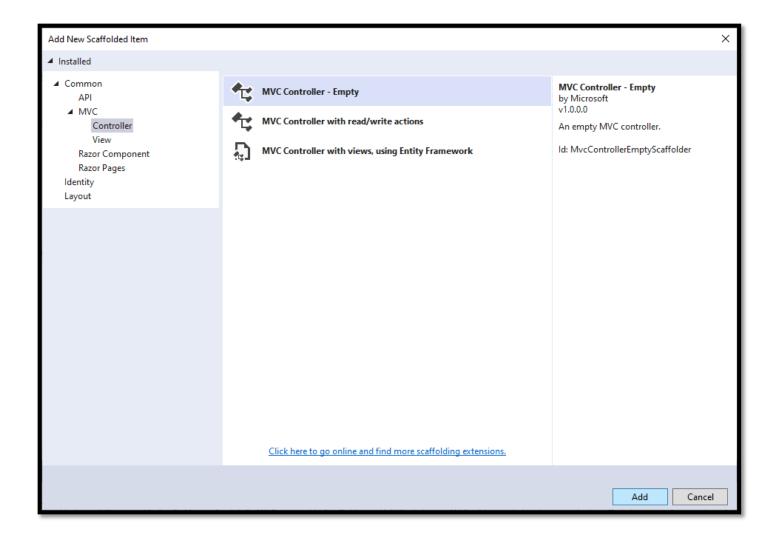
#### Styling the content – Views/Shared/\_Layout.cshtml

```
<body>
    <header >
        <div>
            <h2>Header title</h2>
        </div>
    </header>
    <div class="row m-1 p-1">
        <div id="menu" class="col-3 border border-primary">
            navigation
        </div>
        <div id="main" class="col-9 border border-primary">
            @RenderBody()
        </div>
    </div>
    <footer class="border-top footer text-muted">
        <div class="container">
            Footer - @DateTime.Now.ToString("dd/MM/yyyy")
        </div>
    </footer>
</body>
```

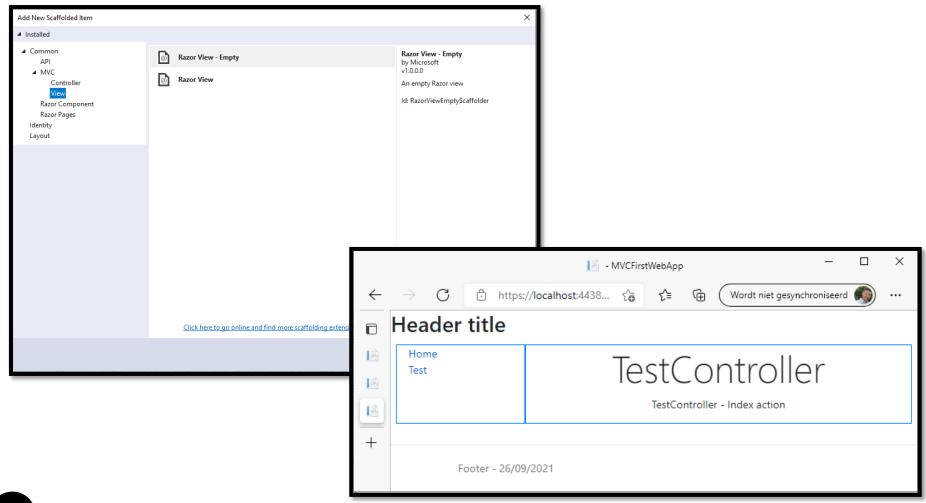
- Voeg een controller toe! (Empty MVC Controller)
  - Controllers\TestController
- Voeg de bijhorende View Folder toe!
  - Views\Test
    - Voeg de Index View toe (Empty razor View)
      - Views\Test\Index.cshtml
- Voeg een hyperlink toe naar de nieuwe TestController Index view!
  - Pas de inhoud aan naar TestController Index action.
- Voeg een hyperlink toe naar de bestaande HomeController Index view!
  - Pas de inhoud aan naar HomeController Index action.



- Voeg een controller toe!
  - Controllers\TestController



- Voeg de bijhorende View Folder toe!
  - Views\Test
    - Voeg de Index View toe
      - Views\Test\Index.cshtml



#### **TagHelper MVC hyperlink**

- Views/Shared
  - \_Layout.cshtml



#### Data doorgeven tussen Controller en View

Voeg een View toe in de Views/Test map -> TestViewbag

Plaats de volgende tekst op het scherm

Dit is test 1 uit de viewbag! Dit is test 2 uit de viewbag!

#### **TestController**

```
public IActionResult TestViewbag()
{
         ViewBag.Teller = 3;
         ViewData["Teller"] = 3;
         return View();
}
```

#### Views/Test/TestViewBag

#### **TagHelper MVC hyperlink**

- Views/Shared
  - \_Layout.cshtml



### Voeg een formulier toe!

- Views/Test
  - Formulier.cshtml
- Controllers/TestController
  - Formulier action

```
public IActionResult Formulier()
{
    return View();
    //Deze action verwijst naar onze
Views/Test/Formulier.cshtml
}
```

#### Voeg een view toe!

- Views/Test
  - FormulierPost.cshtml
- Controllers/TestController
  - FormulierPost action

#### **Models**

Add Model – TestModel.cs

```
public class TestModel
{
   public string TestInvoer{get;set;}
}
```

```
Views/Test/FormulierPost.cshtml
@model TestModel
<div>
    De invoer die u in het formulier hebt ingevuld is:
@Model.TestInvoer
</div>
```

```
public IActionResult FormulierPost()
{
    string invoer = Request.Form["TestInvoer"];
    TestModel model = new TestModel();
    model.TestInvoer = invoer;
    return View(model);
    //Deze action verwijst naar onze
Views/Test/FormulierPost.cshtml
}
```

#### **TagHelper MVC hyperlink**

- Views/Shared
  - \_Layout.cshtml

## **ASP.NET CORE**

**MVC Web Application – Oefening04**