

# MVC med Javascript och Ajax

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# MVC med Javascript och Ajax

Lektion 2 - Introduktion Fortsätter



# Dagens mål

- GET, POST - Hur sätter vi upp en action för respektive?
- Modell-bidningar, Modell-validering
- Razor, Areas, Sections, Layouts, Views, Jobba med data, ViewBag
- Felhantering
- Kompilerade vyer
- Web.config
- HTML Helpers
- Publicering

# Bildgalleri?

- Ladda upp bilder
- Skapa album av uppladdade bilder
- Kommentera på bilder
- Inloggning & Säkerhet
- Administrationsgränssnitt

# Hur har dete gått?

Vad är svårast att förstå?

# MVC

```
    public void addAttachment(Attachment attachment) {  
        attachments.add(attachment);  
    }  
  
    public void removeAttachment(int index) {  
        attachments.remove(index);  
    }  
  
    public void updateAttachment(Attachment attachment) {  
        attachments.set(attachment_id, attachment);  
    }  
  
    public void attach(Attachment attachment, int index) {  
        attachments.add(index, attachment);  
    }  
  
    public void detach(Attachment attachment) {  
        attachments.remove(attachment);  
    }  
  
    public void clearAttachments() {  
        attachments.clear();  
    }  
  
    public void setAttachmentId(int id) {  
        attachment_id = id;  
    }  
  
    public int getAttachmentId() {  
        return attachment_id;  
    }  
  
    public void setAttachments(List<Attachment> attachments) {  
        this.attachments = attachments;  
    }  
  
    public List<Attachment> getAttachments() {  
        return attachments;  
    }  
}
```

# **Var ska min logik vara?**

# **Undvik logik i vyer!**

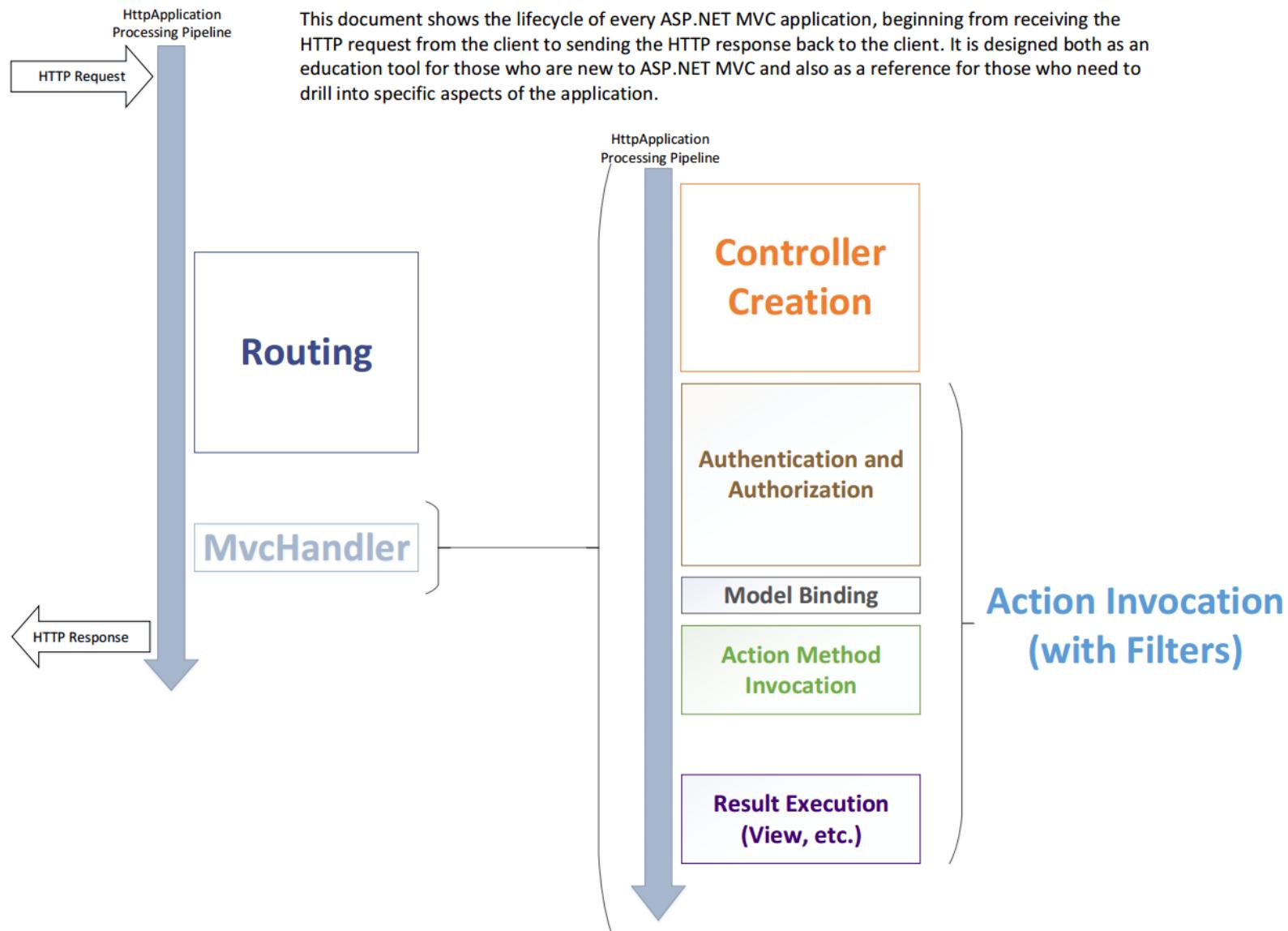
(Det finns undatag)

# **“Löst Kopplat”**

**Hur lätt är de för mig  
att byta ut ett lager nu?**

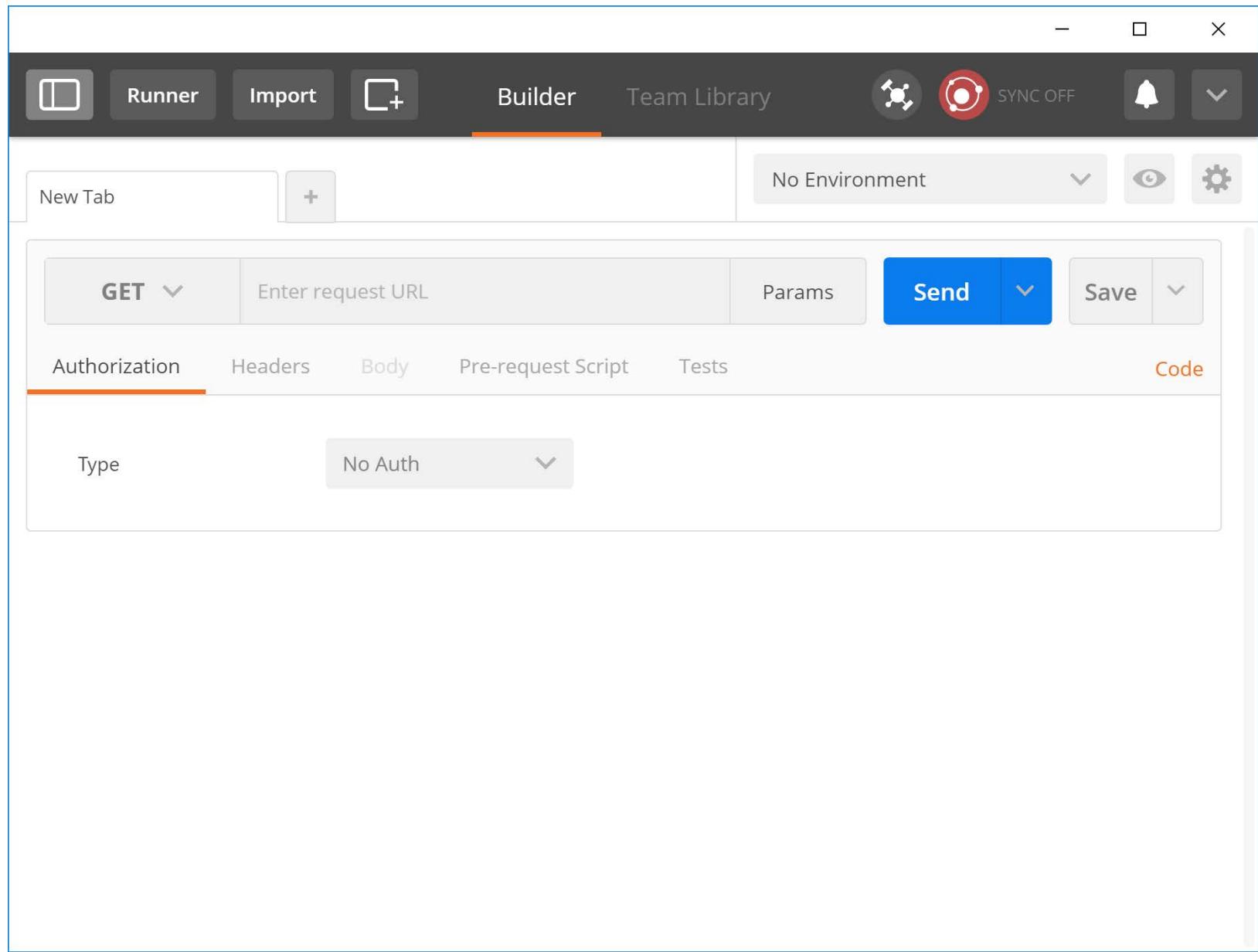
# Titta på template-koden!

# ASP.NET MVC 5 APPLICATION LIFECYCLE – HIGH-LEVEL VIEW



# HTTP Verbs

GET, POST, PUT, DELETE, ...



Register - My ASP.NET A X

← → C ⌛ ⌂ localhost:19097/Account/Register

Application name Home About Contact Register Log in

# Register.

Create a new account.

---

Email

Password

Confirm password

Register

---

© 2016 - My ASP.NET Application

Builder Team Library

SYNC OFF

No Environment

GET http://localhost:19097/Account/Register

Params Send Save

Authorization Headers (1) Body Pre-request Script Tests Code

Type No Auth

Body Cookies Headers (12) Tests Status: 200 OK Time: 45 ms

Pretty Raw Preview HTML

```
1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="utf-8" />
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>Register - My ASP.NET Application</title>
7     <link href="/Content/bootstrap.css" rel="stylesheet"/>
8     <link href="/Content/site.css" rel="stylesheet"/>
9     <script src="/Scripts/modernizr-2.6.2.js"></script>
10 </head>
11 <body>
12   <div class="navbar navbar-inverse navbar-fixed-top">
13     <div class="container">
14       <div class="navbar-header">
15         <button type="button" class="navbar-toggle" data-toggle="collapse" data-target=".navbar-collapse">
16           <span class="icon-bar"></span>
17           <span class="icon-bar"></span>
18           <span class="icon-bar"></span>
19         </button>
20       <a class="navbar-brand" href="#">Application Name</a>
```

Runner Import C+ Builder Team Library SYNC OFF No Environment

POST http://localhost:19097/Account/Register Params Send Save

Authorization Headers Body Pre-request Script Tests Code

form-data x-www-form-urlencoded raw binary

email mail@filipekberg.se  
password P@ssword1  
confirmPassword P@ssword1

key value

Body Cookies Headers (12) Tests Status: 200 OK Time: 5154 ms

Pretty Raw Preview HTML

```
33 </ul>
34 <form action="/Account/LogOff" class="navbar-right" id="logoutForm" method="post">
35   <input name="__RequestVerificationToken" type="hidden" value="tqE7Cav-KCKNctAxj4lz3uVCvozZxy-j1
36     -aCFpQmQhcCRAsbJuIEQva0WT-GOSK3kvi0HiNhjeT9GsQTpKAm-A0lgdGFqdngn0MiD091wlYA-3xLo
37     -RDwshYLnmN3Mr2MhGgDMHdxR76PlvplVgn7A2" />
38   <ul class="nav navbar-nav navbar-right">
39     <li>
40       <a href="/Manage" title="Manage">Hello mail@filipekberg.se!</a>
41     </li>
42     <li>
43       <a href="javascript:document.getElementById('logoutForm').submit()">Log off</a>
44     </li>
45   </ul>
```

# JSON

```
[  
 {  
   "Id": "3c744db6-a16c-4709-802d-7e171a5669b3",  
   "Name": "Filip Ekberg"  
 }  
]
```

The screenshot shows the Postman application interface. The top navigation bar includes icons for Runner, Import, and a plus sign, followed by 'Builder' (which is highlighted with an orange underline) and 'Team Library'. On the right side of the header are icons for a profile, 'SYNC OFF', a bell, and a dropdown menu.

In the main workspace, there are two tabs in the URL bar: 'http://localhost:60146/Account' and 'http://localhost:60146'. A '+' button is also present in the URL bar area. To the right of the URL bar is a dropdown labeled 'No Environment' with a dropdown arrow.

The request configuration below the URL bar shows a 'GET' method selected, a URL of 'http://localhost:60146/Account/', and a 'Params' button. To the right are 'Send' and 'Save' buttons, each with a dropdown arrow.

The response section is divided into tabs: 'Body' (which is selected and highlighted with an orange underline), 'Cookies', 'Headers (9)', and 'Tests'. To the right of these tabs are 'Status: 200 OK' and 'Time: 31 ms'. Below the tabs is a toolbar with 'Pretty', 'Raw', 'Preview', and 'JSON' buttons, along with a copy icon and a search icon.

The 'Body' tab displays a JSON response:

```
1 [  
2 {  
3     "Id": "3c744db6-a16c-4709-802d-7e171a5669b3",  
4     "Name": "Filip Ekberg"  
5 }  
6 ]
```

Builder Team Library

Runner Import

SYNC OFF

No Environment

POST http://localhost:60146/Account/Create Params Send Save

Authorization Headers Body Pre-request Script Tests Code

form-data x-www-form-urlencoded raw binary

name Filip Text Bulk Edit  
key value Text

Body Cookies Headers (9) Tests Status: 200 OK Time: 30 ms

Pretty Raw Preview JSON

```
1 {  
2   "Id": "6e8f600d-47b9-47a4-a073-5516a9bad4d1",  
3   "Name": "Filip"  
4 }
```

Builder Team Library

SYNC OFF

No Environment

POST http://localhost:60146/Account/Create Params Send Save

Authorization Headers Body Pre-request Script Tests Code

form-data x-www-form-urlencoded raw binary

name Filip Text Bulk Edit  
key value Text

Status: 400 Kontot finns redan Time: 32 ms

Pretty Raw Preview HTML

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Strict//EN" "http://www.w3.org/TR/xhtml1/DTD/xhtml1-strict.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
  <head>
    <title>IIS 10.0 Detailed Error - 400.0 - Kontot finns redan</title>
    <style type="text/css">
      <!--
body{margin:0;font-size:7pt;font-family:Verdana,Arial,Helvetica,sans-serif}
-->
```

```
public class AccountController : Controller
{
    private static IList<Account> accounts = new List<Account>();

    public ActionResult Index()
    {
        return Json(accounts, JsonRequestBehavior.AllowGet);
    }

    [HttpPost]
    public ActionResult Create(Account account)
    {
        if(accounts.Any(x => x.Name == account.Name))
        {
            return new HttpStatusCodeResult(400, "Kontot finns redan");
        }

        account.Id = Guid.NewGuid();

        accounts.Add(account);

        return Json(account);
    }
}
```

# View Engines

# View Engines

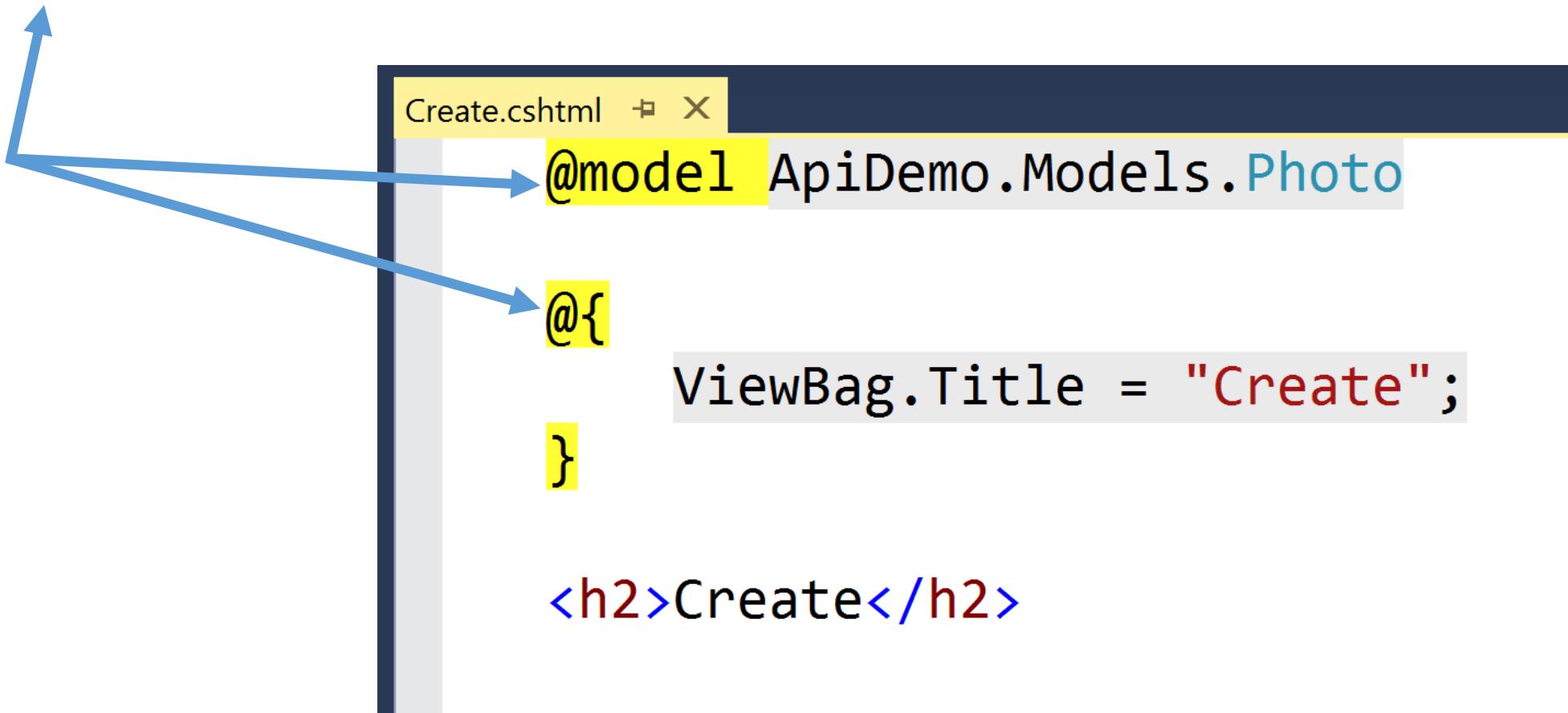
Razor & ASPX

# Razor

- Enkelt att lära sig
- Enkelt att blanda in C# i vyerna utan att de blir kladdigt
- Följer med ASP.NET MVC
- [razorcheatsheet.com](http://razorcheatsheet.com)

# **ViewBag?**

```
<!DOCTYPE html>
<html>
<head>
    <title>@ViewBag.Title</title>
</head>
```



**ViewBag är**  
**dynamic**

# Razor & C#

```
@{  
    var names = new[] {"Filip", "Sofie"};  
  
    foreach (var name in names)  
    {  
        <h1>@name</h1>  
    }  
}
```

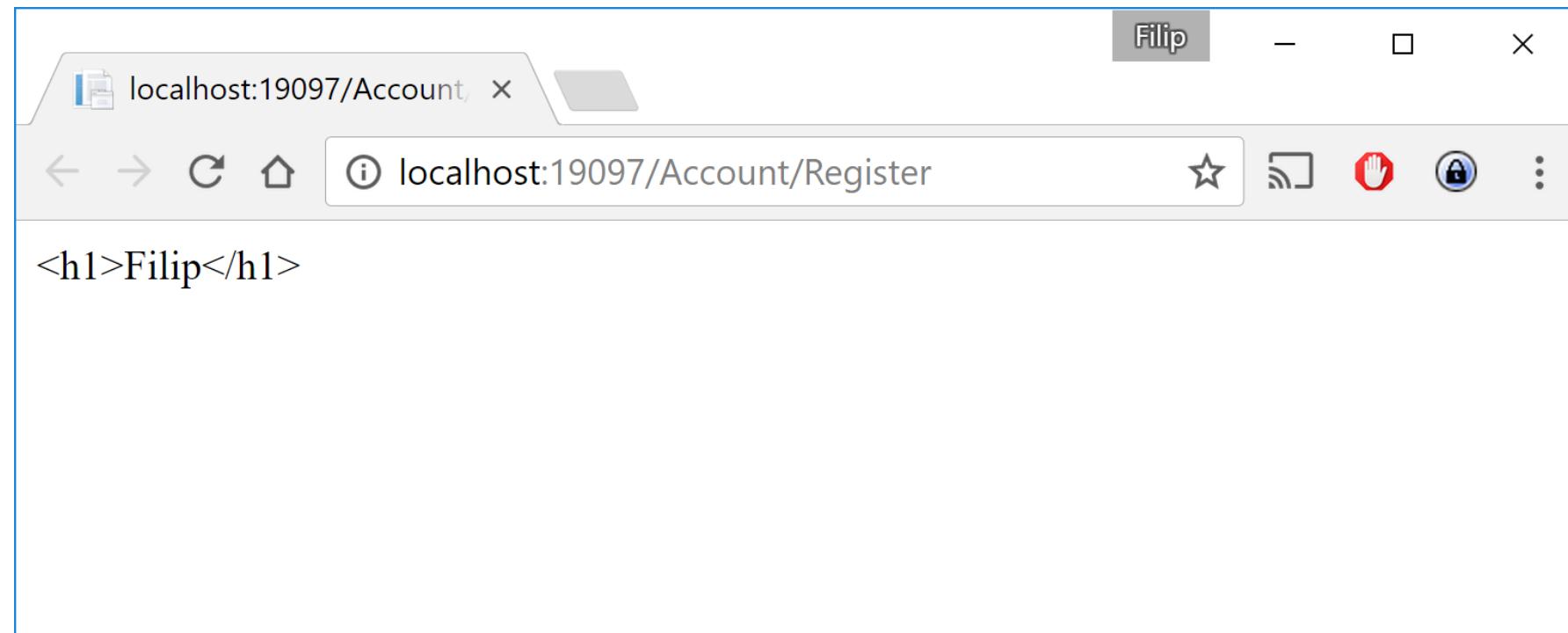
```
@{  
    var firstname = "Filip";  
    var lastname = "Ekberg";  
    <h1>@firstname</h1>  
}  
<h2>@lastname</h2>
```

```
@{  
    var firstname = "Filip";  
    var lastname = "Ekberg";  
}  
<h2>@$"{firstname} {lastname}"</h2>
```

```
@{  
    var html = "<h1>Filip</h1>";
```

```
}
```

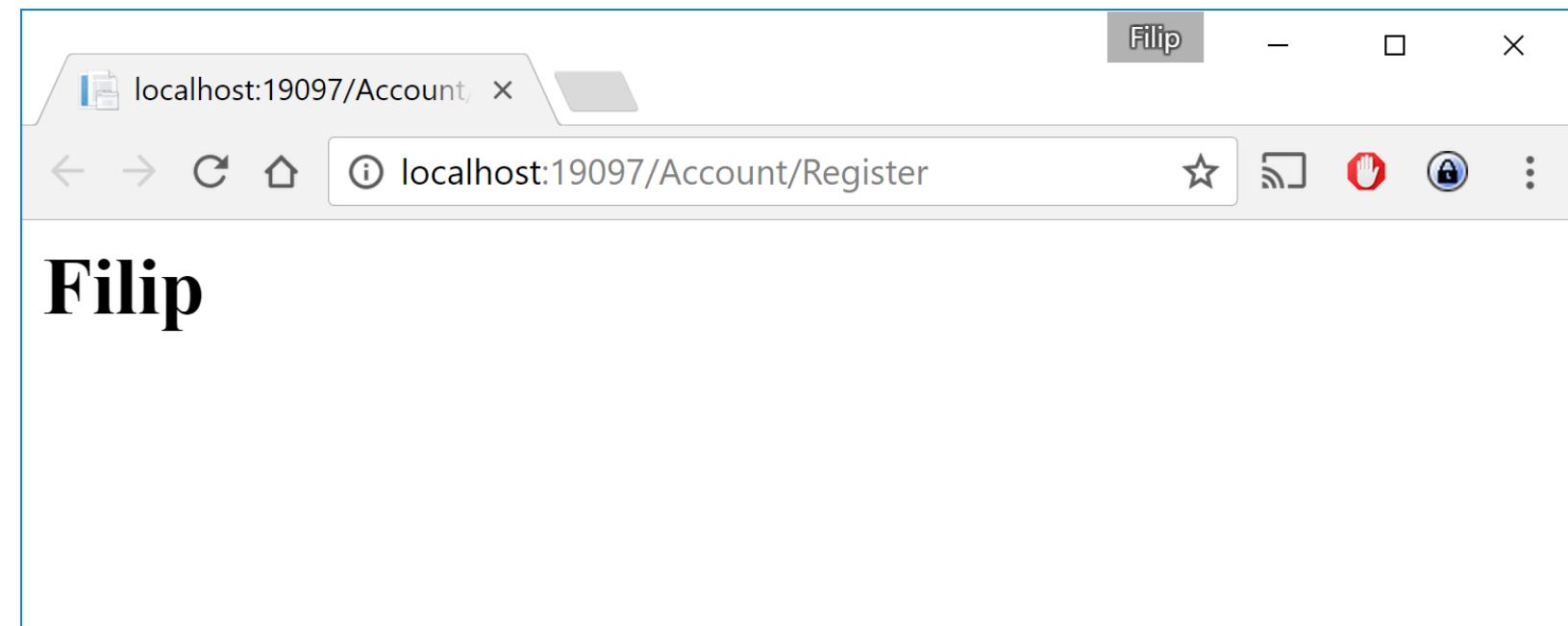
```
@html
```



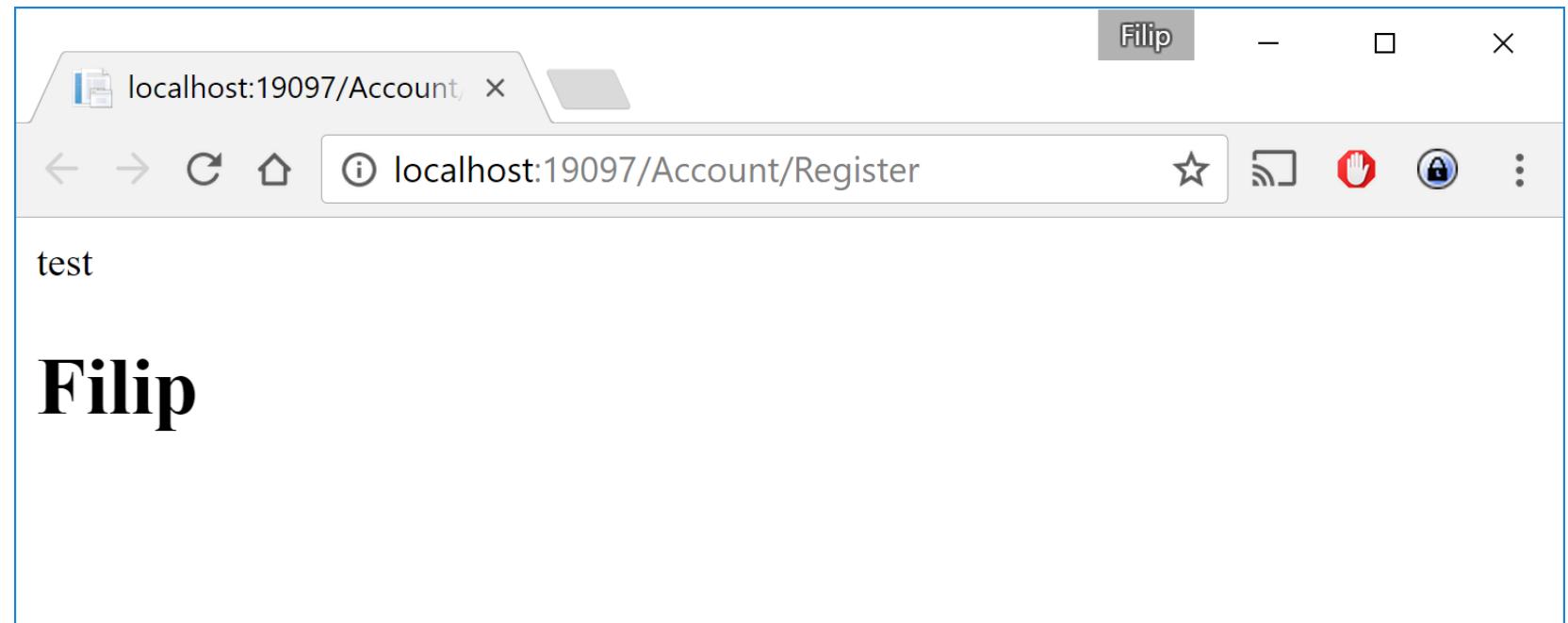
```
@{  
    var html = "<h1>Filip</h1>";
```

```
}
```

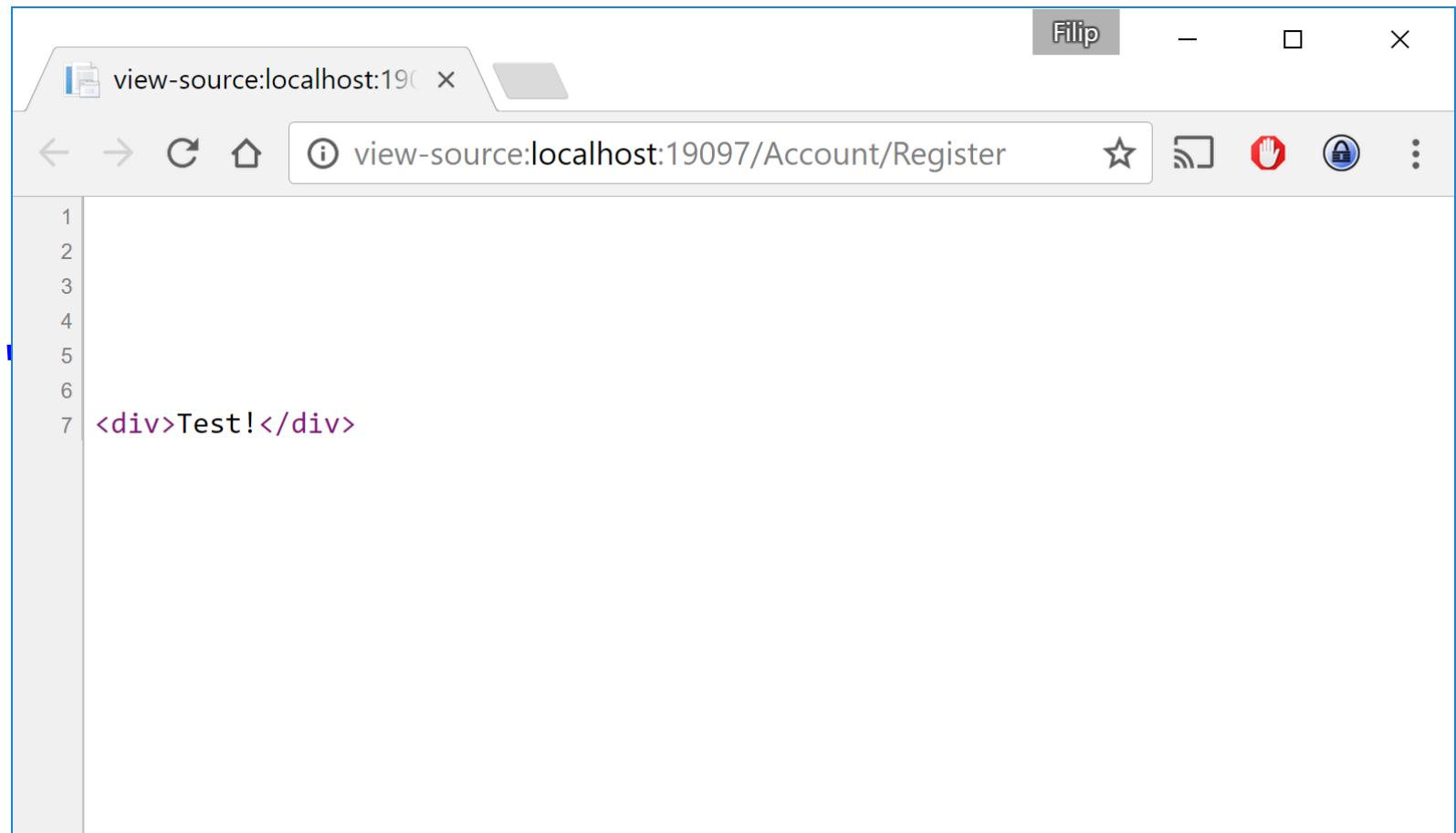
```
@Html.Raw(html)
```



```
@{  
    var html = "<h1>Filip</h1>";  
  
}@:test  
}  
  
@Html.Raw(html)
```



```
@{  
    string style =  
}  
  
<div style="@style"
```

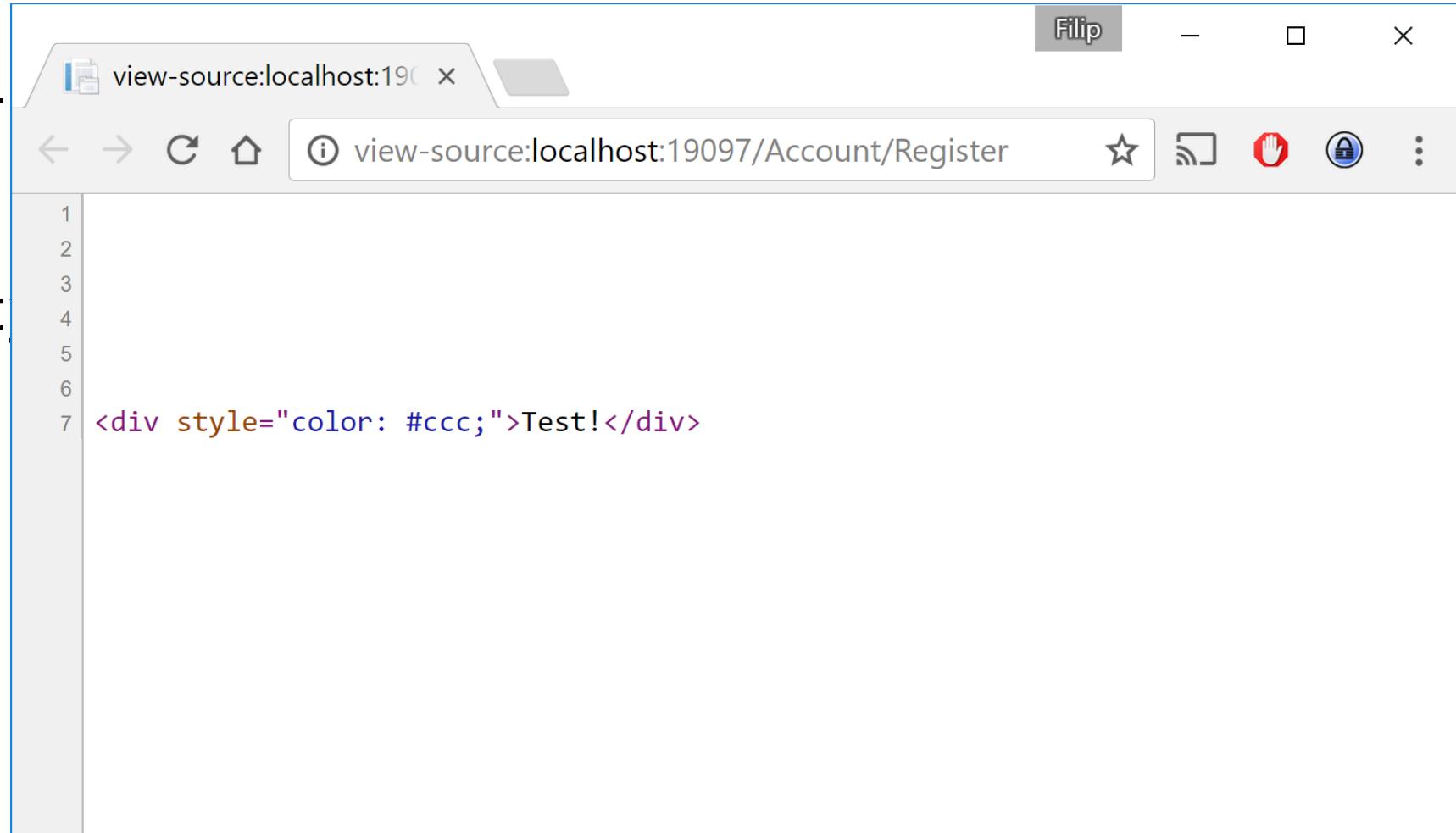


A screenshot of a web browser window titled "view-source:localhost:19097". The address bar shows "view-source:localhost:19097/Account/Register". The page content is a plain white space with a vertical line of numbers on the left side. Number 1 is above a blank line, number 2 is above another blank line, and so on up to number 7. Number 7 is followed by the text "<div>Test!</div>". The browser interface includes standard navigation buttons (back, forward, search), a refresh button, and a toolbar with icons for star, refresh, stop, and more.

```
1  
2  
3  
4  
5  
6  
7 <div>Test!</div>
```

```
@{  
    string styl  
}  
}
```

```
<div style="@st
```



A screenshot of a web browser window titled "view-source:localhost:19097". The address bar shows "view-source:localhost:19097/Account/Register". The page content is a plain white space with a vertical line of line numbers on the left side. Line 7 contains the following code:

```
1  
2  
3  
4  
5  
6  
7 <div style="color: #ccc;">Test!</div>
```

# Layout

# Layout

- Ligger i Views\Shared
- Kan sättas per vy
- Du kan ha fler Layouts för ditt projekt
- Default sätts i \_ViewStart

# **\_ViewStart**

```
@{  
    Layout = "~/Views/Shared/_Layout.cshtml";  
}
```

```
<!DOCTYPE html>
<html>
<head>
    <title>@ViewBag.Title - My ASP.NET Application</title>
</head>
<body>
    <div class="container body-content">
        @RenderBody()
        <hr />
        @RenderPage("Footer.cshtml")
    </div>
    @RenderSection("Scripts", false)
    <script src("~/Scripts/jquery-1.10.2.min.js")></script>
    <script src "~/Scripts/bootstrap.min.js"></script>
</body>
</html>
```

# HTML Helpers

# HTML Helpers

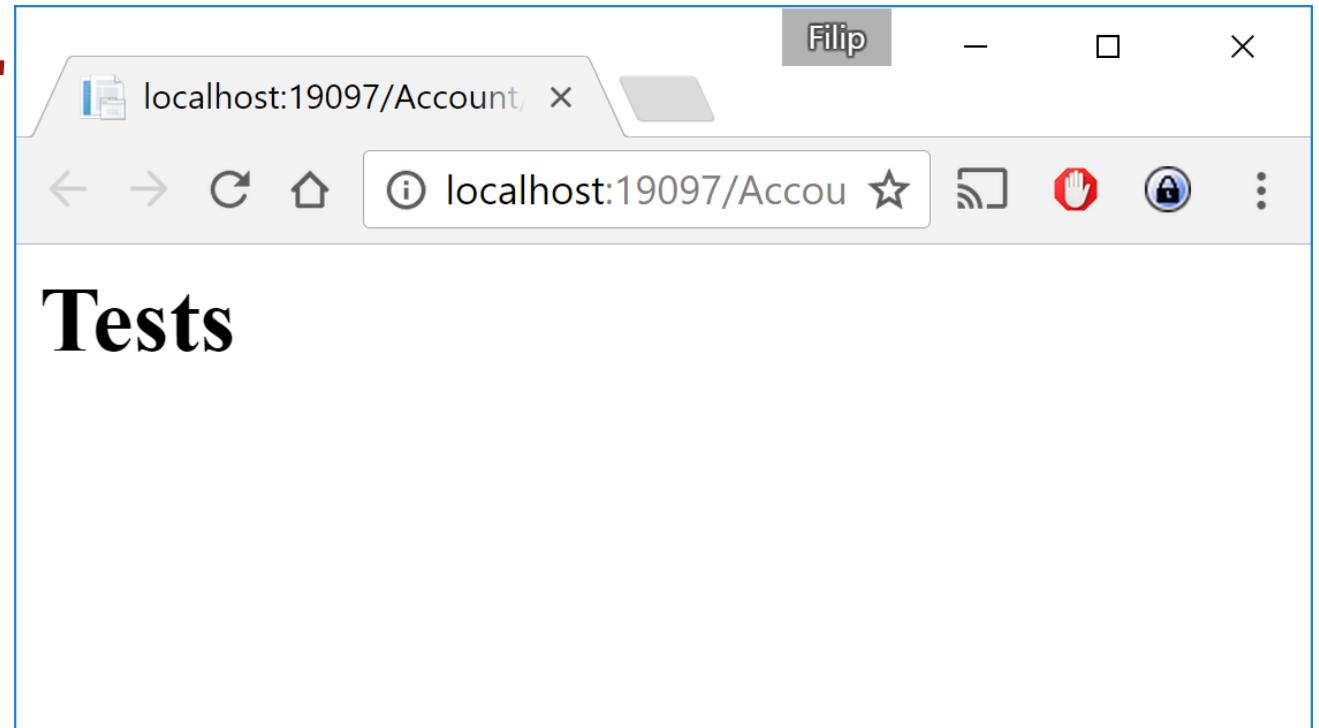
- Stöd för ofta använda funktioner
- Enkelt att lägga till egna vid behov
- [techbrij.com/notes/aspnet-mvc-4.php](http://techbrij.com/notes/aspnet-mvc-4.php)

# HTML Helpers

- Html.AntiForgeryToken
  - Html.AttributeEncode
  - Html.Encode
  - Html.Raw
  - Html.Partial
  - Html.Action
  - Html.RenderAction
  - Html.ActionLink
- Html.BeginForm
  - Html.CheckBox
  - Html.EndForm
  - Html.Hidden
  - Html.ListBox
  - Html.Password
  - Html.RadioButton
- Html.DropDownList
  - Html.TextArea
  - Html.TextBox
  - Html.ValidationSummary
  - Html.ValidationMessage
  - Html.RouteLink

```
public static class MyHtmlHelper
{
    public static IHtmlString Scream(this HtmlHelper helper,
                                    string input)
    {
        return helper.Raw($"
    }
}

@Html.Scream("Tests")
```



## Add New Item - ApiDemo

? X

## Installed

Sort by: Default



Search Installed Templates (Ctrl+E)

## Visual C#

Code

Data

General

## Web

General

Markup

MVC

Razor

Scripts

SignalR

Web API

Web Forms

Windows Forms

## Online

[Click here to go online and find templates.](#)

Name:

MyHelper.cshtml

Add

Cancel

ApiDemo - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Test .NET Reflector ReSharper Filip Ekberg

Analyze Window Help

Debug Any CPU Google Chrome

Toolbox MyHelper.cshtml Create.cshtml

```
@helper HelperName(string name)
{
    <h1>@name</h1>
}
```

Solution Explorer

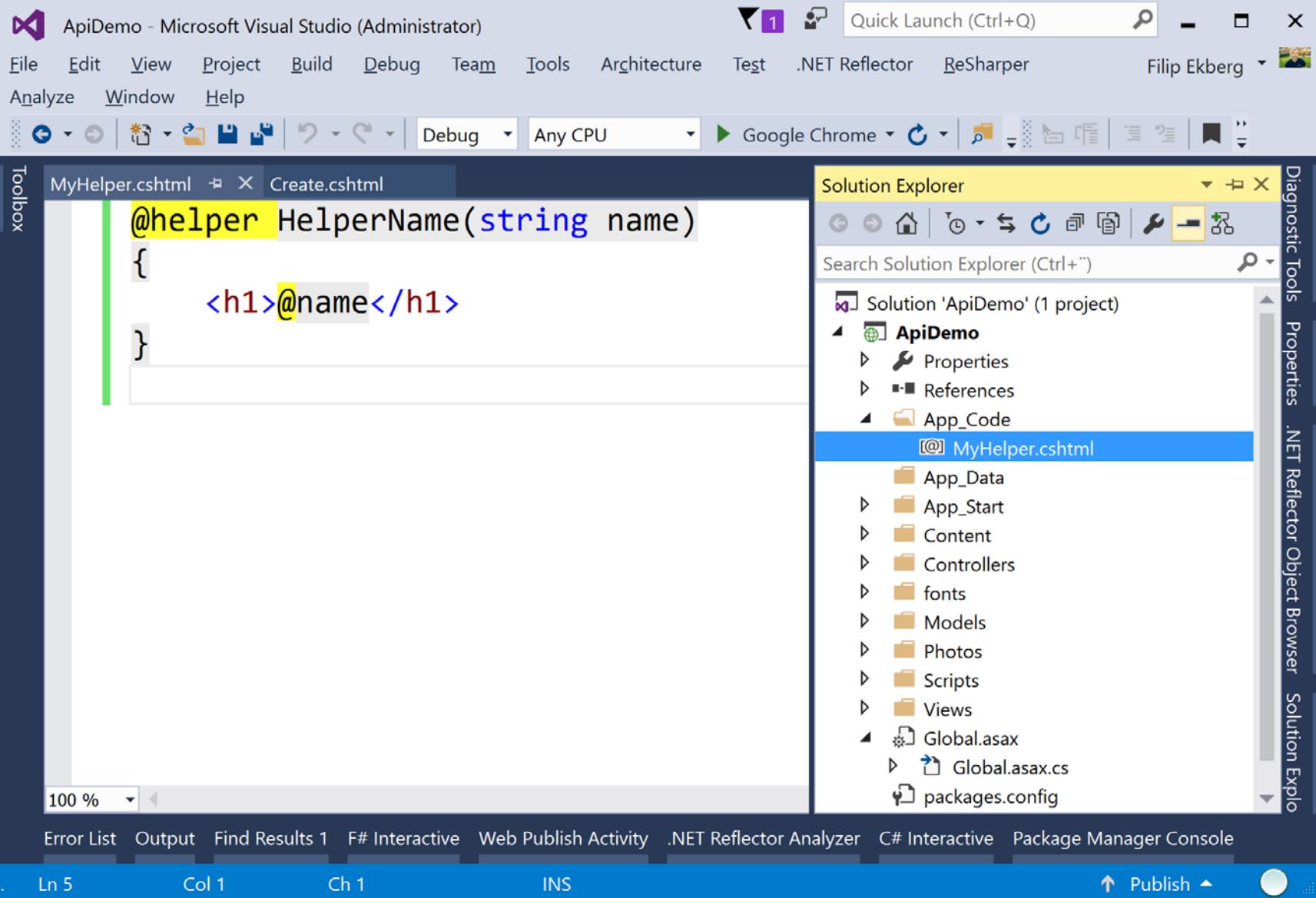
Search Solution Explorer (Ctrl+Shift+F)

- Solution 'ApiDemo' (1 project)
  - ApiDemo
    - Properties
    - References
    - App\_Code
      - [@] MyHelper.cshtml
      - App\_Data
      - App\_Start
      - Content
      - Controllers
      - fonts
      - Models
      - Photos
      - Scripts
      - Views
    - Global.asax
      - Global.asax.cs
    - packages.config

Diagnostic Tools Properties .NET Reflector Object Browser Solution Explorer

Error List Output Find Results 1 F# Interactive Web Publish Activity .NET Reflector Analyzer C# Interactive Package Manager Console

. Ln 5 Col 1 Ch 1 INS Publish



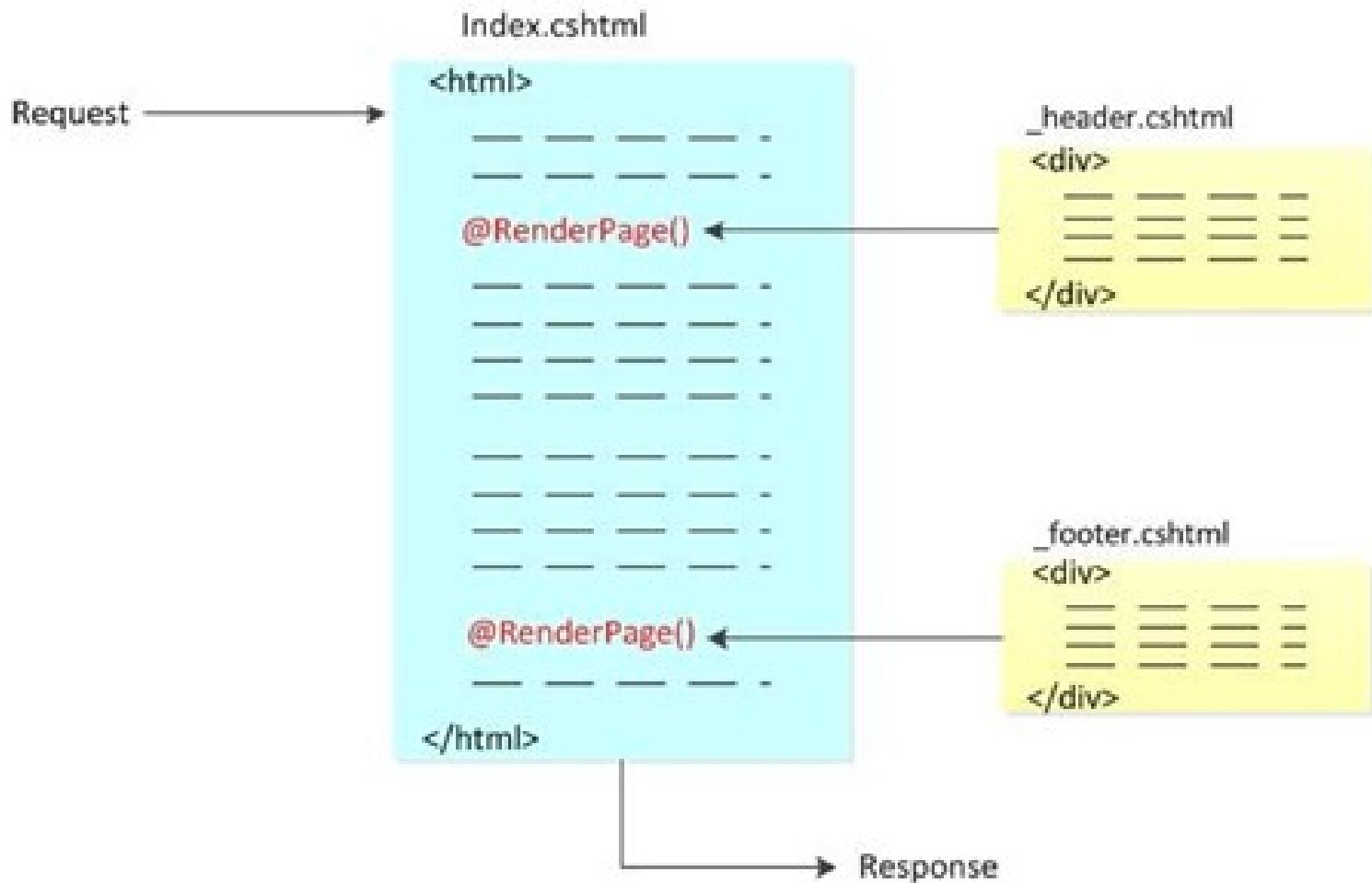
```
@helper HelperName(string name) {  
    <h1>@name</h1>  
}
```

```
@MyHelper.HelperName("Test")
```

# Partial Views & Pages

# **En vy renderad i en annan vy**

```
public ActionResult Profile()
{
    return PartialView("PartialProfile",
        new Profile());
}
```



```
<!DOCTYPE html>
<html>
<head>
    <title>Min Layout</title>
    <link href("~/Styles/Site.css"
rel="stylesheet" type="text/css" />
</head>
<body>
    @RenderPage("~/Shared/Header.cshtml")
    <div id="main">
        @RenderBody()
    </div>
    <div id="footer">
        © 2016 Filip. All rights reserved.
    </div>
</body>
</html>
```

```
@model List<ApiDemo.Controllers.Profile>

@{
    ViewBag.Title = "Profiles";
}

@foreach (var profile in Model)
{
    Html.RenderPartial("Profile", profile);
}
```

# Sections

```
<!DOCTYPE html>
<html>
<head>
    <title>@ViewBag.Title - My ASP.NET Application</title>
</head>
<body>
    <div class="container body-content">
        @RenderBody()

        <hr />

        @RenderPage("Footer.cshtml")
    </div>

    @RenderSection("Scripts", false)

    <script src("~/Scripts/jquery-1.10.2.min.js")></script>
    <script src "~/Scripts/bootstrap.min.js"></script>
</body>
</html>
```

```
@model List<ApiDemo.Controllers.Profile>
```

```
@{  
    ViewBag.Title = "Profiles";  
}
```

```
@foreach (var profile in Model)  
{  
    Html.RenderPartial("Profile", profile);  
}
```

```
@section Scripts  
{  
    <script src="~/Scripts/profiles.js"></script>  
}
```

# Areas

# **Organisera relaterad funktionalitet**

@ Area...

New from Template

\* New Item...

+ Existing Item...

Shift+Alt+A



New Solution Explorer View



Show on Code Map

Add



Manage NuGet Packages...

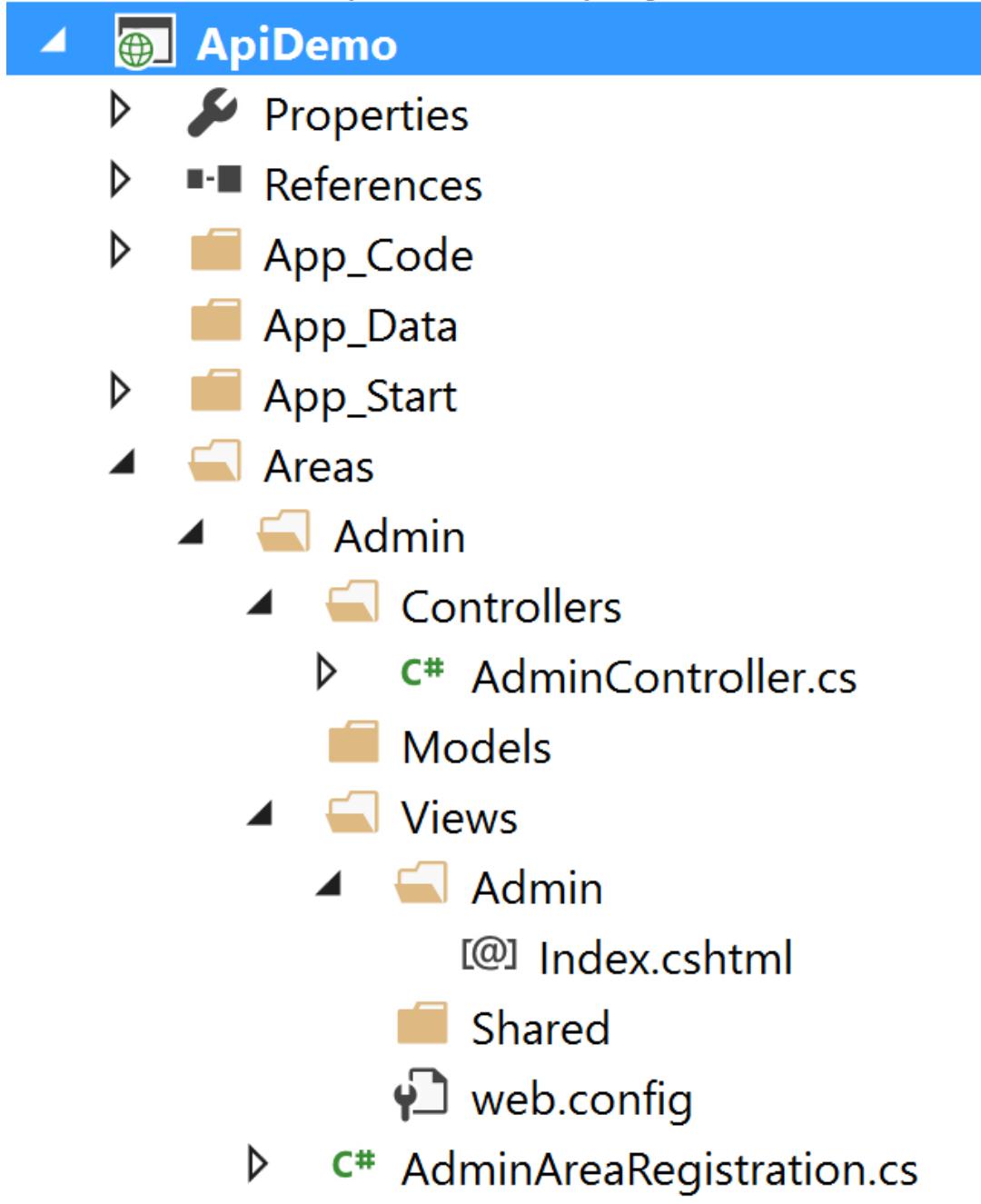


Manage Bower Packages...



Set as StartUp Project

Properties  
References  
Code  
Data  
Start  
tent  
trollers  
s  
Help



# **Man kan ha olika rättigheter!**

# Attributes

```
[HttpGet]
public ActionResult Profile()
{
}

[HttpPost]
public ActionResult Profile(string name)
{
}

[HttpDelete]
public ActionResult Profile(Guid id)
{
}
```

```
[Authorize]
public class ProfileController : Controller
{
}
```

```
[OutputCache(Duration = 10)]
public ActionResult Profile()
{
}
```

# Formulär

```
@using (Html.BeginForm())
{
    @Html.AntiForgeryToken()
}

}
```

```
<form action="/Photo/Create"  
      method="post">  
  
    <input name="__RequestVerificationToken"  
          type="hidden"  
          value="vL..." />  
  </form>
```

```
@using (Html.BeginForm(
    "Create",
    "Photo",
    FormMethod.Post,
    new {enctype = "multipart/form-data"}))
{
}
```

```
<form action="/Photo/Create"
      enctype="multipart/form-data"
      method="post">

    <input name="__RequestVerificationToken"
          type="hidden"
          value="vL..." />
</form>
```

```
<input type="file" name="file" id="file" />
```

```
public ActionResult Create()
{
    return View();
}
<input type="file" name="file" id="file" />
[HttpPost]
public ActionResult Create(Photo photo, HttpPostedFile file)
{
    file.SaveAs(
        Path.Combine(Server.MapPath("~/Photos"), file.FileName));

    return View();
}
```

Maximum request length x

Flip - X

localhost:60146/Photo/Create

## Server Error in '/' Application.

*Maximum request length exceeded.*

**Description:** An unhandled exception occurred during the execution of the current web request. Please review the stack trace for more information about the error and where it originated in the code.

**Exception Details:** System.Web.HttpException: Maximum request length exceeded.

**Source Error:**

An unhandled exception was generated during the execution of the current web request. Information regarding the origin and location of the exception can be identified using the exception stack trace below.

**Stack Trace:**

```
[HttpException (0x80004005): Maximum request length exceeded.]  
System.Web.HttpRequest.GetEntireRawContent() +9823534  
System.Web.HttpRequest.GetMultipartContent() +63  
System.Web.HttpRequest.FillInFormCollection() +160  
System.Web.HttpRequest.EnsureForm() +69  
System.Web.HttpRequest.get_Form() +13  
System.Web.HttpRequestWrapper.get_Form() +14
```

```
<configuration>
  <system.web>
    <httpRuntime maxRequestLength="1048576" />
  </system.web>
</configuration>
```

```
<system.webServer>
  <security>
    <requestFiltering>
      <requestLimits maxAllowedContentLength="1073741824" />
    </requestFiltering>
  </security>
</system.webServer>
```

Filip

Create - My ASP.NET App X

localhost:60146/Photo/Create

Application name

# Create

## Photo

---

**Name**

**Photo**

Name AC3.jpg

[Back to List](#)

---

© 2016 - My ASP.NET Application

# Scaffolding

## Add View



View name:

Create

Template:

Create

Model class:

Photo (ApiDemo.Models)

Options:

Create as a partial view

Reference script libraries

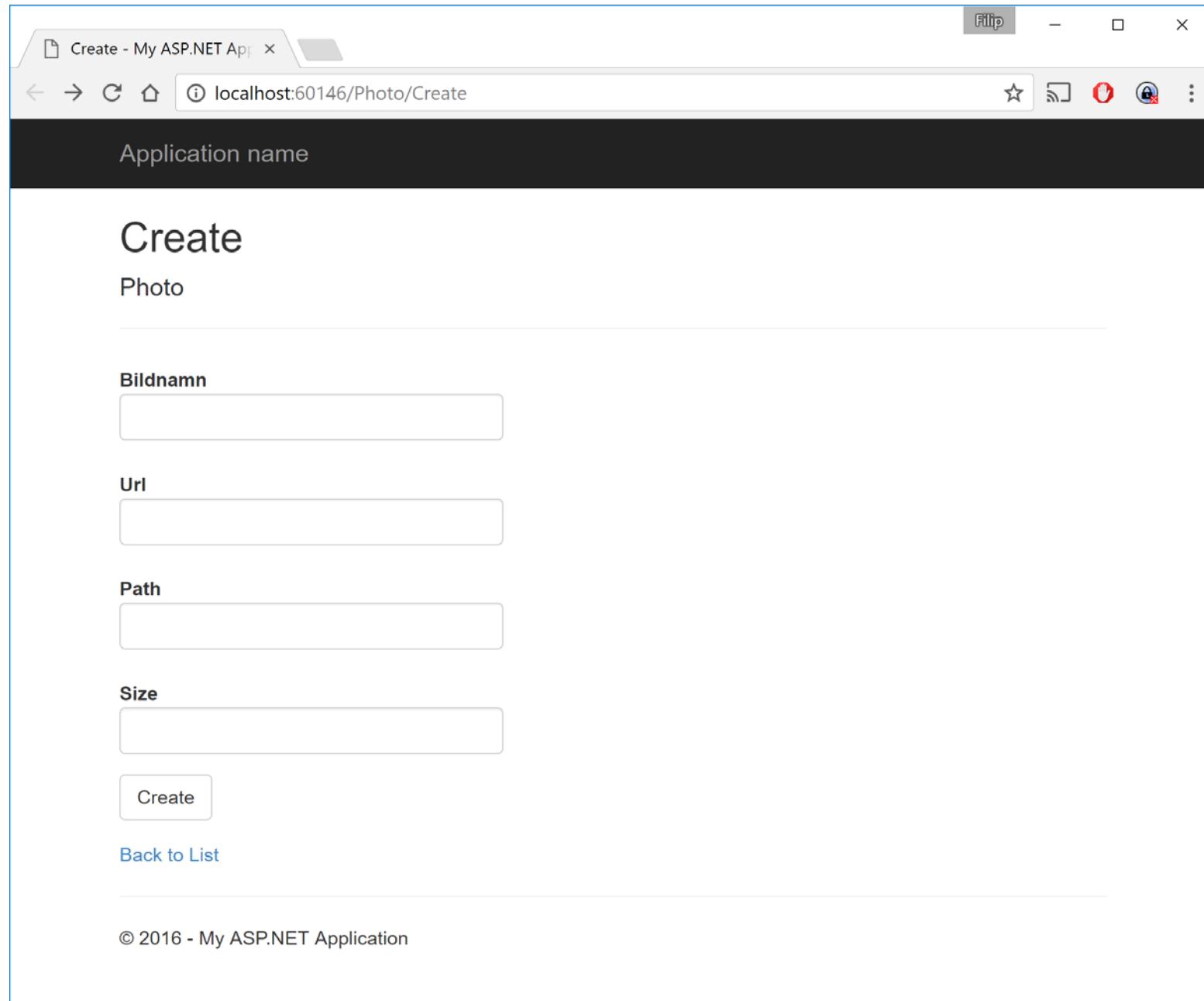
Use a layout page:

...

(Leave empty if it is set in a Razor \_viewstart file)

Add

Cancel



# Bundling

# **Minska antalet requests mot vår webbtjänst**

# **Minska storleken på den totala dataöverföringen**

(Minification)

```
public static void RegisterBundles(BundleCollection bundles)
{
    bundles.Add(new ScriptBundle("~/bundles/jquery").Include(
        "~/Scripts/jquery-{version}.js"));

    bundles.Add(new ScriptBundle("~/bundles/jqueryval").Include(
        "~/Scripts/jquery.validate*"));

    bundles.Add(new ScriptBundle("~/bundles/modernizr").Include(
        "~/Scripts/modernizr-*"));

    bundles.Add(new ScriptBundle("~/bundles/bootstrap").Include(
        "~/Scripts/bootstrap.js",
        "~/Scripts/respond.js"));

    bundles.Add(new StyleBundle("~/Content/css").Include(
        "~/Content/bootstrap.css",
        "~/Content/site.css"));
}
```

# Hantera olika resultat

# Resultat från en Action

- ActionResult
- ContentResult
- EmptyResult
- FileContentResult
- FilePathResult
- FileResult
- FileStreamResult
- HttpNotFoundResult
- HttpStatusCodeResult
- UnauthorizedResult
- JsonResult
- JavaScriptResult
- PartialViewResult
- RedirectResult
- RedirectToRouteResult
- ViewResult

# Modell-hantering

# Modell-bindning

```
public class Photo
{
    public Guid Id { get; set; }
    public string Name { get; set; }
    public string Url { get; set; }
    public string Path { get; set; }
    public long Size { get; set; }
}
```

```
[HttpGet]
```

```
public ActionResult Create(string name, string url,  
                           string path, long size)  
{  
    return Json(new Photo  
    {  
        Id = Guid.NewGuid(),  
        Name = name,  
        Url = url,  
        Path = path,  
        Size = size  
    }, JsonRequestBehavior.AllowGet);  
}
```

**http://localhost:60146/Photo/Create?name=name&url=url&path=path&size=100**



```
{  
    "Id": "f97ec982-c862-463d-af5e-244a3133744e",  
    "Name": "name",  
    "Url": "url",  
    "Path": "path",  
    "Size": 100  
}
```

```
[HttpPost]
```

```
public ActionResult Create(string name, string url,  
                           string path, long size)  
{  
}  
}
```

```
[HttpPost]
public ActionResult Create(Photo photo)
{
}
```

# **Hur kommer jag åt modellen i min vy?**

```
public ActionResult Index()
{
    var photosModels = new List<Photo>();
    var photos = Directory.GetFiles(Server.MapPath("~/Photos"));

    foreach (var photo in photos)
    {
        var info = new FileInfo(photo);

        photosModels.Add(new Photo
        {
            Name = info.Name,
            Path = $"{"/Photos/{info.Name}}",
            Size = info.Length
        });
    }

    return View(photosModels);
}
```

```
@model IEnumerable<ApiDemo.Models.Photo>
```

```
    ↑  
    ↘  
@foreach (var item in Model)  
{  
}
```

```
<th>
    @Html.DisplayNameFor(model => model.Name)
</th>

@foreach (var item in Model)
{
    <td>
        
    </td>
}
```

# **Modell-validering**

```
[HttpPost]
public ActionResult Create(Photo photo, HttpPostedFileBase file)
{
    if (!ModelState.IsValid) { return View(photo); }

    if (file == null)
    {
        ModelState.AddModelError("error", "Ingen bild?");
        return View(photo);
    }

    file.SaveAs(Path.Combine(Server.MapPath("~/Photos"), file.FileName));

    return View();
}
```

```
@Html.ValidationSummary(true, "", new { @class = "text-danger" })
<div class="form-group">
    @Html.LabelFor(model => model.Name,
                  htmlAttributes: new { @class = "control-label col-md-2" })
    <div class="col-md-10">
        @Html.EditorFor(model => model.Name,
                        new { htmlAttributes = new { @class = "form-control" } })
        @Html.ValidationMessageFor(model => model.Name, "", new { @class = "text-danger" })
    </div>
</div>
<div class="form-group">
    <label class="control-label col-md-2" for="Photo">Photo</label>
    <div class="col-md-10">
        <input type="file" name="file" id="file" />
        @Html.ValidationMessage("error")
    </div>
</div>
<div class="form-group">
    <div class="col-md-offset-2 col-md-10">
        <input type="submit" value="Create" class="btn btn-default" />
    </div>
</div>
```

```
public class Photo
{
    public Guid Id { get; set; }

    [Display(Name = "Bildnamn")]
    [StringLength(20,
        ErrorMessage = "Fyll i ett namn",
        MinimumLength = 3)]

    public string Name { get; set; }

    public string Url { get; set; }
    public string Path { get; set; }
    public long Size { get; set; }
}
```

Filip

Create - My ASP.NET App X

localhost:60146/Photo/Create

Application name

# Create

## Photo

---

**Bildnamn**

Fyll i ett namn

**Photo**

No file chosen

[Back to List](#)

---

© 2016 - My ASP.NET Application

# Hantera fel

# ÖVERRASKNINGSFEL

```
<customErrors mode="On"  
    defaultRedirect="/Home/Error" />
```



```
public class HomeController : Controller  
{  
    public ActionResult Error()  
    {  
        return View();  
    }  
}
```

```
protected void Application_Error()
{
    Response.Redirect("/Home/Error");
}
```

0 references

```
protected void Application_Error()
{
    var lastError = Server.GetLastError();
```

► lastError{"A public action method 'Index' was not found on controller 'ApiDemo.Controllers.HomeController'."} □

```
    Response.Redirect("/Home/Error");
```

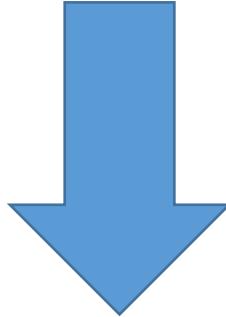
```
}
```

# **Hantera modell-fel i Controllern**

# Inställningar i Web.config

# **Web.config**

```
<appSettings>
  <add key="MySetting" value="SomeValue" />
</appSettings>
```



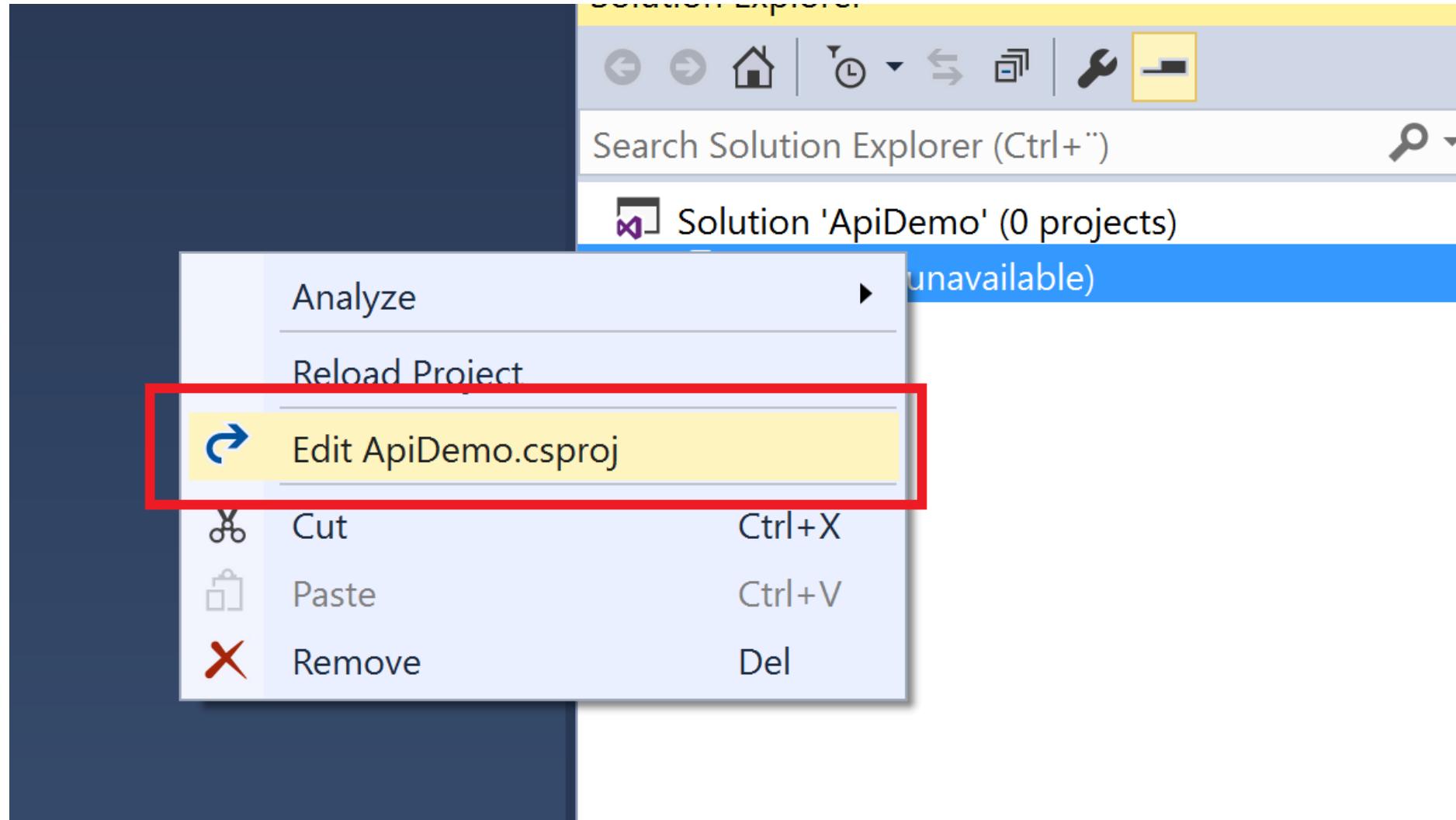
```
ConfigurationManager.AppSettings["MySetting"]
```

# Kompilerade Vyer

# Vad händer idag om vi har syntax-error i Razor?

# Få kompileringsfel vid syntax-error i Razor!

**Lite segare att starta..**



```
<MvcBuildViews>true</MvcBuildViews>
```

```
<Target Name="MvcBuildViews" AfterTargets="AfterBuild" Condition="'$(MvcBuildViews)'=='true'">
  <AspNetCompiler VirtualPath="temp" PhysicalPath="$(WebProjectOutputDir)" />
</Target>

<Target Name="AfterBuild" Condition="'$(Configuration)' != 'Debug'">
  <RemoveDir Directories="$(BaseIntermediateOutputPath)" />
</Target>
```

ApiDemo - Microsoft Visual Studio (Administrator)

File Edit View Project Build Debug Team Tools Architecture Test .NET Reflector ReSharper Filip Ekberg

Analyze Window Help

Index.cshtml

Based on your project, we have identified extensions you may find helpful [View Extensions...](#) [Don't Show Again](#)

```
@model IEnumerable<ApiDemo.Models.Photo>

@{
    ViewBag.Title = "Index"
}

<h2>Index</h2>
```

Error List...

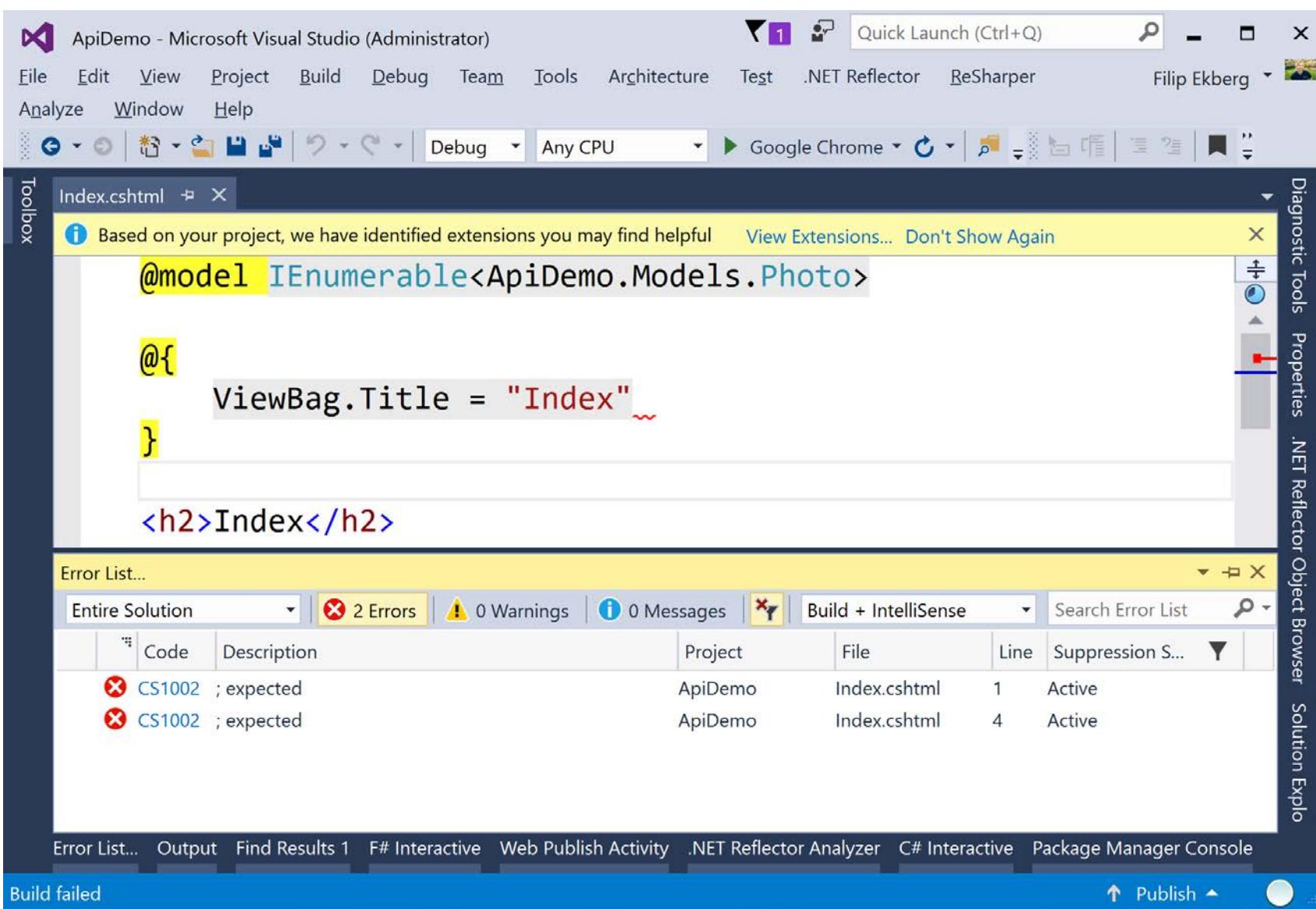
Entire Solution 2 Errors 0 Warnings 0 Messages Build + IntelliSense Search Error List

Code	Description	Project	File	Line	Suppression S...
CS1002	; expected	ApiDemo	Index.cshtml	1	Active
CS1002	; expected	ApiDemo	Index.cshtml	4	Active

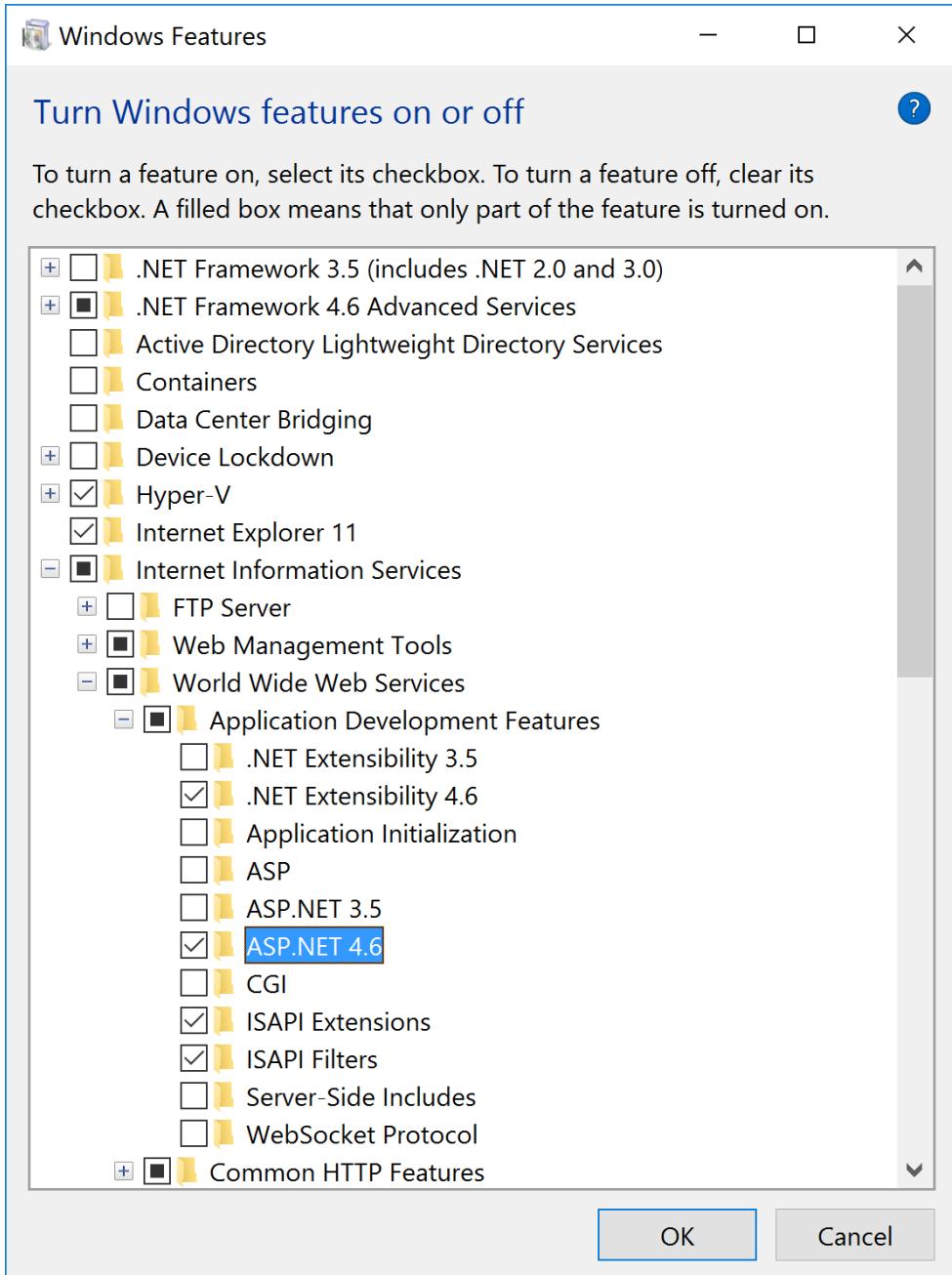
Error List... Output Find Results 1 F# Interactive Web Publish Activity .NET Reflector Analyzer C# Interactive Package Manager Console

Build failed

↑ Publish



# Publicera till IIS



Internet Information Services (IIS) Manager

FILIP-PC Sites Default Web Site

File View Help

**Connections**

- FILIP-PC (FILIP-PC\Filip)
  - Application Pools
  - Sites
    - Default Web Site

**Default Web Site Home**

Filter: Go Show All Group by: Area

**ASP.NET**

- .NET Authorization
- .NET Compilation
- .NET Error Pages
- .NET Globalization
- .NET Profile
- .NET Roles
- .NET Trust Levels
- .NET Users
- Application Settings

**IIS**

- Connection Strings
- Machine Key
- Pages and Controls
- Providers
- Session State
- SMTP E-mail

- Authentication
- Compression
- Default Document
- Directory Browsing
- Error Pages
- Handler Mappings
- HTTP Response
- ISAPI Filters
- Logging

- MIME Types
- Modules
- Output Caching
- Request Filtering
- SSL Settings

Features View Content View

**Actions**

- Explore
- Edit Permissions...

**Edit Site**

- Bindings...
- Basic Settings...

**View Applications**

**View Virtual Directories**

**Manage Website**

- Restart
- Start
- Stop

**Browse Website**

- Browse \*:80 (http)

**Advanced Settings...**

**Configure**

- Limits...

**Help**

Ready

## Edit Site Binding

[?](#)[X](#)

Type:

http

IP address:

All Unassigned

Port:

80

Host name:

Example: www.contoso.com or marketing.contoso.com

OK

Cancel



## Publish

Profile

Connection

Settings

Preview

**Local \***Publish method:

Target location:

...

&lt; Prev

Next &gt;

Publish

Close

Bildnamn	Url	Path	Size	
filip-ekberg-collage.png	/Photos/filip-ekberg-collage.png	326332		
Filip_Dive.jpg	/Photos/Filip_Dive.jpg	68790		

# Publicera till Azure

# **Skapa gratiskonto och testa!**

# Tips & Trix

# Web Essentials

Web Essentials for Visual Studio

Filip

vswebessentials.com

Web Essentials Home Download Features Contribute Change log About

 Web Essentials

A Visual Studio extension

Created by Mads Kristensen

 Download

 General

 Browser Link

 Stylesheets

 JavaScript

 HTML

# Browser Link

# Route Debugger

```
PM> Install-Package routedebugger
```

<http://haacked.com/archive/2008/03/13/url-routing-debugger.aspx>

# Fortsätta med Labben



# Fortsätt med Bildgalleriet

- Ladda upp bilder
- Skapa album av uppladdade bilder
- Kommentera på bilder
- Inloggning & Säkerhet
- Administrationsgränssnitt



# Håll följande i åtanke

- Håll din Controller liten
- Håll dina Views rena
- Dela upp i Partial Views
- Använd dig av Layout
- Undvik ViewBag om du inte behöver den
- Validera formulärdata



# Skicka Github länk för review!

- Skicka en Github-länk till labben senast Torsdag-kväll
- Jag återkommer med feedback och förbättringsförslag

