

# ASP.net MVC Quickstart

Nikola Plejić

[nikola@plejic.com](mailto:nikola@plejic.com)

<http://nikola.plejic.com/>

<http://twitter.com/nikolaplejic>

# What is ASP.NET MVC?

- New, free (open source) web framework for .NET 3.5
- Alternative to WebForms

# What's wrong with WebForms?

- HTML output

(\* <http://www.asp.net/cssadapters/>)



# What's wrong with WebForms?

- URL rewriting

...enter ASP.NET MVC!

# ASP.NET powah!

- Membership / roles, configuration, caching...
- 3<sup>rd</sup> party tools: NHibernate, ActiveRecord, NUnit...

# Testability

Global.asax.cs (excerpt)

```
public static void RegisterRoutes(RouteCollection routes) {
    routes.IgnoreRoute("{resource}.axd/{*pathInfo}");

    routes.MapRoute(
        "Default", // Route name
        "{controller}/{action}/{id}", // URL with parameters
        new { controller = "Home", action = "Index", id = "" } // Parameter defaults
    );
}

protected void Application_Start() {
    RegisterRoutes(RouteTable.Routes);
}
```

# Easy-peasy URL routing

PageController.cs

```
using System.Web.Mvc;

namespace MvcApp.Controllers {

    [HandleError]
    public class PageController : Controller {
        public ActionResult View(int? id) {
            return View();
        }
    }
}
```

# Easy-peasy URL routing

Global.asax.cs (excerpt)

```
public static void RegisterRoutes(RouteCollection routes) {  
    routes.IgnoreRoute("{resource}.axd/{*pathInfo}");  
  
    routes.MapRoute(  
        "Blog",  
        "Archive/{entryDate}",  
        new { controller = "Archive", action = "Entry" }  
    );  
  
    routes.MapRoute(  
        "Default", // Route name  
        "{controller}/{action}/{id}", // URL with parameters  
        new { controller = "Home", action = "Index", id = "" } // Parameter defaults  
    );  
}  
  
protected void Application_Start() {  
    RegisterRoutes(RouteTable.Routes);  
}
```

# Easy-peasy URL routing

ArchiveController.cs

```
using System;
using System.Web.Mvc;

namespace MvcApp.Controllers {

    public class ArchiveController : Controller {

        public string Entry(DateTime entryDate) {
            // query model
            return View();
        }

    }
}
```

# Easy-peasy URL routing

# **Complete** control over HTML output

- Default: plain old .aspx (WebForms) templates
- Pluggable engines: Brail, Ndjango, nhaml, StringTemplate...
- HtmlHelpers

More natural pattern for webapps

Open source

# Sites using ASP.NET MVC

- StackOverflow (<http://stackoverflow.com/>)
- CodePlex (<http://www.codeplex.com/>)
- Bing Shopping (<http://www.bing.com/shopping/>)

# Tools & requirements

- Microsoft .NET 3.5+ / Mono 2.4+
- Visual Studio / MonoDevelop
- <http://www.asp.net/mvc/download/>

(\* bundled with Mono 2.4+ & VS2010)

# S#arp Architecture

- Best practices + tools for rapid development
- <http://wiki.sharparchitecture.net/>

# ASP.NET MVC 2.0

- Client-side & custom validation
- `Html.RenderAction` / `Html.Action`
- <http://aspnet.codeplex.com/wikipage?title=MVC>

# Thanks!

Questions?

Nikola Plejić

[nikola@plejic.com](mailto:nikola@plejic.com)

<http://nikola.plejic.com/>

<http://twitter.com/nikolaplejic>