

MVC COURSE



**Naresh
Information
Technologies**

Nagaraju Bende

<http://nbende.wordpress.com>



final Agenda

MVC 4

Mobile Web

Web APIs

N
i
t
Nagaraj
.NET

MVC

MVC 4 Features

- Bundling / Minification Support
- Database Migrations
- Web APIs
- Mobile Web
- Real Time Communication
- **Works with VS 2010/.NET 4**
and built-into VS2012

N
i
t

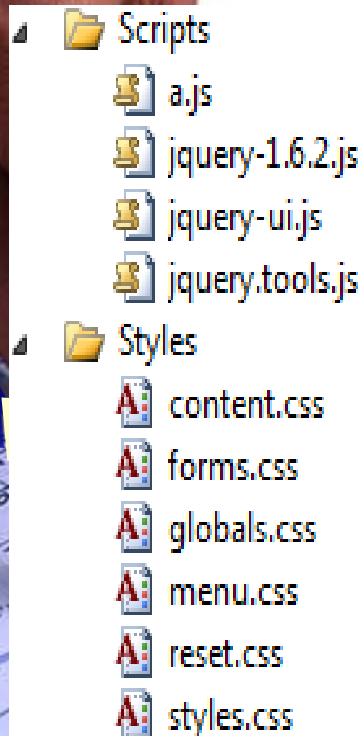
Nagaraj
.NET

MVC

Bundling and Minification

- Improve loading performance of JavaScript and CSS
 - Reduce # and size of HTTP requests
- Works by convention (no configuration required)
- Fully customizable and extensible

Bundling and Minification



```
<link href="styles/reset.css" rel="Stylesheet" />  
<link href="styles/styles.css" rel="Stylesheet" />  
<link href="styles/css" rel="stylesheet" />sheet" />  
<link href="styles/globals.css" rel="Stylesheet" />  
<link href="styles/forms.css" rel="Stylesheet" />  
<script src="scripts/js"></script> "Stylesheet" />
```

URL Resolution Enhancements

- Razor now resolves ~/ within all standard HTML attributes
- Today you write:

```
<script src="@Url.Content("~/Scripts/Site.js")">  
</script>
```
- Razor 2.0 now allows you to just write:

```
<script src("~/Scripts/Site.js")></script>
```

N

i

t

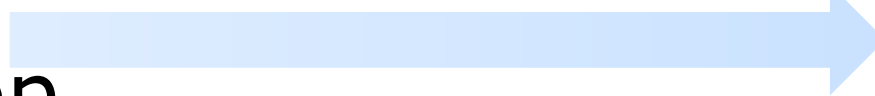
Nagaraj
.NET

MVC

Mobile Web Development – A Spectrum



Mostly
Desktop




Mostly
Mobile

N
i
t

Nagaraj
.NET

MVC

A hand is visible on the left side of the image, pointing towards the center. The hand is resting on a document that appears to be a technical drawing or blueprint, with various lines and text visible. The background is a light blue gradient.

Web APIs ?

N
i
t

Nagaraj
.NET

MVC

Build Richer Apps Reach More Clients

N
i
t
Nagaraj
.NET
MVC



Web API Growth

Open API timeline



+ 100% + 50% + 3400% + 235% + 71% + 86% + 46% + 63%

Source: www.programmableweb.com – current APIs: 4535

Nagaraj <http://nbende.wordpress.com>

N
i
t
Nagaraj
.NET

MVC

Questions



N
i
t
MVC
.NET

Web API Testing

- Removed reliance on static context objects
- Dependencies can be supplied via simple constructor params for easy unit testing
- At runtime, constructor parameters can be supplied via the `DependencyResolver` (same IOC model as rest of MVC)