



Rocking Webforms with jQuery

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about:me



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about:you

- Who uses WebForms?
- Who uses MVC?
- Any ASP.NET Dynamic Data?
- Has used JavaScript? CSS?
- Understands the DOM?
- Who has used or is using jQuery?



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about:jQuery

- Giant library of useful JavaScript functions
- Same code in every browser
- Uses CSS selectors to find elements
- Manipulates HTML elements



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Three Client Technologies

- JavaScript
- Document Object Model (DOM)
- Cascading Style Sheets (CSS)



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JavaScript

- An implementation of ECMA Script
- Mature--NN2 in 1995, IE3 in 1996
- Derived from C
- Object oriented
- Functional
- Prototype based
- Different in every browser



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DOM

- The HTML document is an object
- Added to browsers at the same time as JavaScript/Jscript
- HTML elements are the properties, JavaScript is the methods



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CSS

- Introduced in NN4 and IE3
- Styling of HTML elements
- CSS3 Classes and Identifiers
- Different in every browser
- CSS2 spec in 1998, still draft in 2010
- Join the IE6 Countdown at <http://www.ie6countdown.com/>



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jQuery Syntax

```
jQuery( 'p' ).addClass( 'sidebar' );
```

```
$( 'p' ).addClass( 'sidebar' );
```

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jQuery Plugins

- There is usually a better way
- Official repository at <http://plugins.jquery.com/>
- Think of page bloat!



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Popular Plugins

- Autocomplete
- Datepickers
- Drag and Drop
- Form Validation
- jQuery UI



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jQuery UI

- Easily apply animation effects
- Widget library
 - Turns HTML into interactive UI
 - As easy to use as jQuery
 - Pre-themed with CSS
 - Functions in every browser
 - Falls back to semantic HTML markup
 - Custom builds



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Appearance

- jQuery UI Themeroller
- 24 themes included
- Page bloat – use a custom build



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```
$( 'demo' ).show();
```

Debugging jQuery

- Fiddler
- IE9 Developer Tools (F12)
- Chrome Developer Tools (plugin)
- Firebug add-in for Firefox
- VS Intellisense



Best Practices

- Use external JS and CSS files
- Test on a variety of browsers and lame machines (Expression Web 4 Super Preview)
- Use plugins if they benefit you
- jQuery docs are great—use them
- Participate in the community



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Resources

jQuery: <http://jquery.com>

jQueryUI: <http://jqueryui.com>

Themeroller: <http://jqueryui.com/themeroller/>

Wijmo: <http://wijmo.com>

Me: http://twitter.com/rj_dudley



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Resources

- jQuery: Novice to Ninja,
<http://www.sitepoint.com/books/jquery1/>
- Web Camps Training Kit,
<http://webcamps.ms/>
- <http://jqfundamentals.com/book/index.html>
- <http://jsfiddle.net/>
- <http://crossbrowsertesting.com/>



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Wijmo (wijmo.com)

- A set of 30 jQuery UI Widgets
- HTML 5, CSS 3, SVG
- Open source and corporate licenses

The screenshot displays a web application interface. On the left, there is a vertical menu with items labeled 'submenu1' through 'submenu6'. In the center, a table lists company information with columns for ID, Company, Contact, and Regional information. On the right, a line chart titled 'Concurrent Steam Users (most recent 48 hours)' shows a fluctuating orange line representing user activity over time.

ID	Company	Contact		Regional information				Communication	
		Name	Title	Address information			Phone	Fax	
				Address	City	Country			PostalCode
ALFKI	Alfreds Futterkiste	Maria Anders	Sales Representative	Obere Str. 57	Berlin	Germany	12209	030-0074321	030-0076545
ANATR	Ana Trujillo Emparedados y heladerias	Ana Trujillo	Owner	Avda de la Constitución 2222	Mexico D.F.	Mexico	06021	(5) 555-4729	(5) 555-3745
ANTON	Antonio Moreno Tapas y Paellas	Antonio Moreno	Owner	Matiasanos 2312	Mexico D.F.	Mexico	05023	(5) 555-5932	
AROUT	Around the Horn	Thomas Hardy	Sales Representative	120 Hanover Sq.	Bergen	UK	WA1 1DP	(171) 555-7788	(171) 555-8789
BERGS	Berglunds snabbkop	Christina Berglund	Order Administrator	Berguvavägen 8	Lulea	Sweden	S-968 22	0921-12 34 65	0921-12 34 67

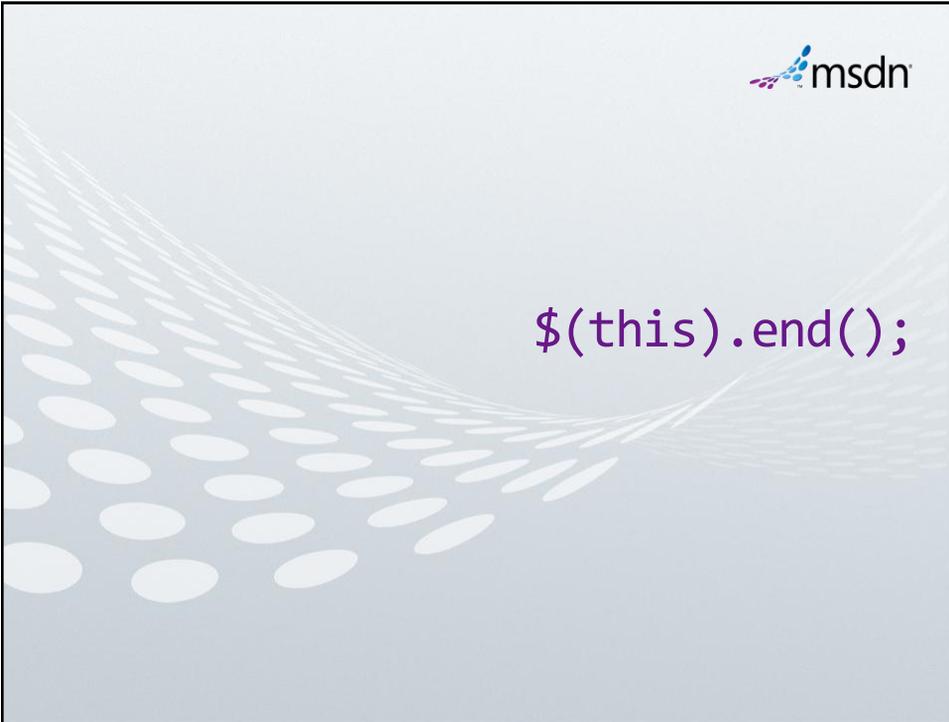
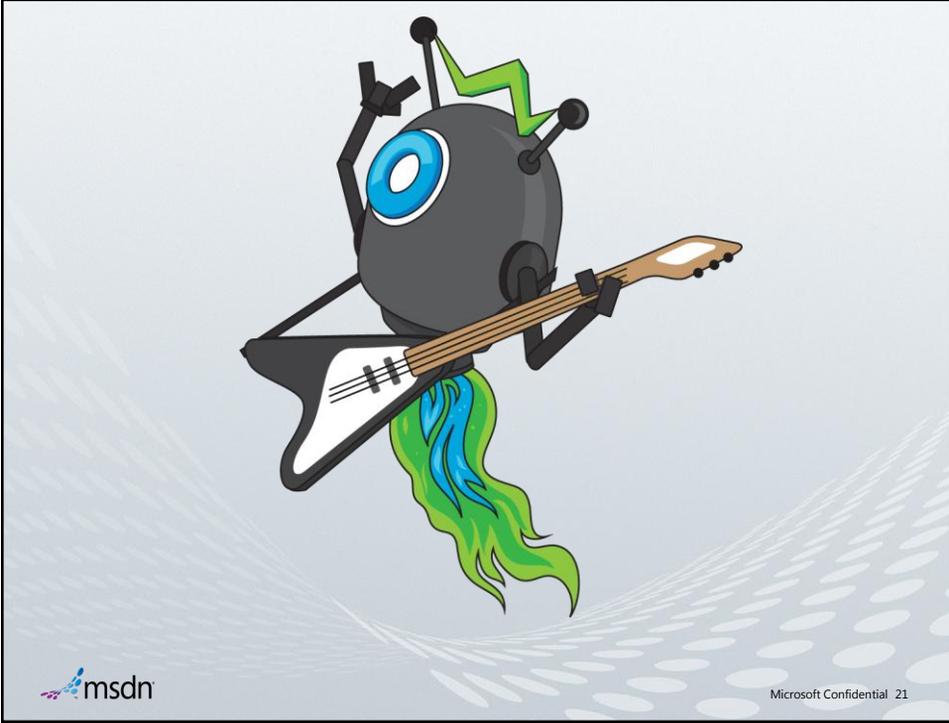


Wijmo Web Stack

- <http://www.componentone.com/webstack>
- ASP.NET MVC Scaffolding
- ASP.NET WebForms Server Controls
- Grids, charts, reports
- Standards compliant output



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