



# Rocking WebForms with jQuery

Rich Dudley




















Jerry Nixon, Microsoft Developer Evangelist

WEP Key: **Extremefever2011**

## about:me



Rich Dudley

Technical Evangelist

richd@componentone.com

@rj\_dudley

<http://c1.ms/88>



## 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?
- Has heard of jUICE?



## jQuery

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



## Three Client Technologies

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



## 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



## 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



## 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
- IE6 Must Die!



## jQuery Syntax

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

- jQuery function, or jQuery alias
- Selector
- Action (the magic!)
- Parameters



## jQuery Plugins

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



## Popular Plugins

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



## 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



## Debugging jQuery

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



jJUICE UI



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





## Best Practices

- Use external JS and CSS files
- Test on a variety of browsers and lame machines (VMs are helpful)
- Use plugins if they benefit you
- RTFM - docs are great!
- Participate in the community



## Resources

jQuery: <http://jquery.com>

jQueryUI: <http://jqueryui.com>

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

Wijmo: <http://wijmo.com>

jUICE UI: <http://juiceui.com/>

Me: [http://twitter.com/rj\\_dudley](http://twitter.com/rj_dudley)



## Resources

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



## Wijmo

- Builds on jQuery UI (not replaces it)
  - Adds features to jQuery UI widgets
    - Slider, Progressbar, etc.
  - Adds new widgets to jQuery UI
    - Grid, Charts, Tree, etc.
- Themeroller-ready
- As easy to use as jQuery
- HTML5, CSS3 and SVG



```
$(this).end();
```

Thanks!



“the clear leader and champion”



## about:me



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