

jQuery

What is jQuery?

- jQuery is a JavaScript Framework
- jQuery takes away the pain
- jQuery is a designers best friend
- jQuery is designed to change the way that you write JavaScript.

jQuery Simplifies

- CSS Selectors

```
$("#a").css("color","red");
```

- Chainable

```
$("#a").css("background-color","green").click(function(){  
    return confirm("Are you sure?");  
});
```

- Web 2.0 Effects

- Easily Extensible

- Enhanced Browser Support.

Separation

- CSS - Presentation from markup.
- jQuery - Behavior from markup.
- *Degradation* (but do so gracefully)
- No more `<a onclick="doSomething()" href=" ...`
- Cleaner, Easier to manage code

Why I love it

- Immediately productive
- Excellent documentation
<http://docs.jquery.com>

- Simple Syntax

Prototype:

```
new Ajax.Updater('placeholder', url, { method: 'get', parameters: par });
```

jQuery:

```
$('#placeholder').load(url + par);
```

- Active Community
- Less is More

Demo: Rating

<http://kylebradshaw.com/presentations/jquery/rating.php>

Tips

- Speed + Efficiency (jrules.js)
<http://somedirection.com/2008/03/14/structuring-jquery-for-speed-and-efficiency/>
- `<body id="home">`
- ```
if ($("#body#home").size()) {
 // only applies rules on the homepage
}
```

# Tips

- Start building the degraded version FIRST
- Turn off JavaScript while testing
- Leverage Plugins
- Utilize `<noscript>`
- Inline JS isn't necessary



# Demo: Comments

- Toggle-able Items? - Degrade

Show/Hide with CSS

```
.toggle_me (display:none;)
```

Enhance with jQuery

```
$(".toggle_me").show();
```

```
$(".hide_me").hide();
```

- Ex. Comment Form

<http://kylebradshaw.com/presentations/jquery/comments.php>

# Avoid

- Never use jQuery inline

these practices do not degrade with JS turned OFF

- <http://reboot.com>

```
<a id="showAndHideComments"
href="javascript:toggleVisibility('toggle');">
```

- <http://rightsagent.com>

```

```

- Building HTML in JavaScript

- Ignoring Degradation - “With great power comes great responsibility”

# Tools

- Firefox
- Web Developer Plugin
- Firebug
- TextMate
- Sync  
<http://somedirection.com/?s=agile+development+workflow>
- MacBook (this is how I roll)

# Plugins

- jQuery Form Plugin  
<http://malsup.com/jquery/form/>
- Thickbox Plugin  
<http://jquery.com/demo/thickbox/>
- jQuery Validation Plugin  
<http://bassistance.de/jquery-plugins/jquery-plugin-validation/>
- Live Query Plugin  
<http://brandonAaron.net/docs/livequery/>
- jQuery UI Plugins  
<http://ui.jquery.com/>

# About Me

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