

JavaScript Week 6

JQuery Overview

“Unobtrusive” DHTML / JavaScript

- Separation of markup and behavior
- Separation of markup and layout
- Basically - Keep your JavaScript and CSS out of your HTML

cross browser abstraction

- JQuery has many helper methods that abstract away non-standard browser behavior.
- So you don't have to write two or three sets of code for your application

document ready vs. window onload

- onload fires after *everything* has loaded including all images - this could fire long after the DOM is ready to go!
- JQuery's document ready event fires when the DOM is ready
- This event encapsulates cross-browser code (because IE does not implement the standard contentloaded event)

selectors

- JQuery allows you to use CSS selectors to access DOM elements
 - `document.getElementById('myDiv')`
---> `$('#myDiv')`
- `$('#myDiv > div')`

iteration using selectors

- From the JQuery tutorial http://docs.jquery.com/Tutorials:Getting_Started_with_jQuery

```
$(document).ready(function() {  
    $("#orderedlist").find("li").each(function(i) {  
        $(this).append( " BAM! " + i );  
    });  
});
```


event handling

- To attach an onclick handler to the button with id myButton:

```
$('#myButton').bind('click', function() {  
    alert('User clicked my button');  
});
```

- To attach an event handler to execute for multiple events:

```
$('#myButton').bind('mouseenter mouseleave', function() {  
    $(this).toggleClass('moused_over');  
});
```