JQUERY

- Add-on library written in Javascript
- Go to www.jquery.com to download or use CDN (better)
- Reference the library as an *external Javascript* source file
- JQuery
  - Uses $() notation
  - Object oriented
  - Alternate way to
    - Attach events
    - Update content
    - Special F/X

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SELECTING PAGE ELEMENTS

- id $('#name')
- Tag $('tag')
  $('tag:even') also ('tag:odd')
- Class name $('.className')
- Tag with class $('span.error')
- Child of tag $('ul>li')   only <li> within
- Child of id $('#navbar a')only links within navbar
- Adjacent tags $('h2 + p')   only <p> after <h2>
- Attributes $('p[align]')
  $('p[align=center]')   match attr value
  $('a[href^=http://]') starts with http://
  $('a[href.=.pdf]')   ends with .pdf
  $('a[href*=sitex]') sitex is anywhere

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ATTACHING EVENTS

- Assign event handlers using the selector notation along with the event name
  - $('#menu1').mouseover(func);
  - $('#menu1').bind('mouseover','func');
  - $('#menu1').mouseover(function() { });
- *Example:*
  ```
  $('#menu1').mouseover(function() {
   $('#submenu').show();
     });
  ```

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FREQUENTLY USED EVENTS

- click   dblclick
- mouseenter   mouseleave
- keypress   keyup
- focus   blur
- hover   toggle
- submit
- load
- resize

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PAGE LOAD EVENT

- Replace window.onload with $(document).ready

```
$(document).ready (function()
{         })
```

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EXAMPLE

Problem: Detect when a button is pressed and display a message on the page

- The HTML

```
<body>
<div id="button1">Press Me</div>
<div id="message1"> </div>
</body>
```

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EXAMPLE JQUERY, CONTINUED

- The CSS:

```
#button1 {
    font-family: Arial, Helvetica, sans-serif;   font-size: 36px;  font-weight: bold;
    text-align: center;  line-height: 220px;  color: #f7f7f7;
    width: 210px; height: 220px;  margin-bottom: 20px;
    background-color: #2A00FF;
    }
#button1:hover { opacity: .5; }
#message1 {font-size: 20px;}
#message1.showme {
    background-color: #ECEA34;  padding: 6px 8px; display:inline-block;
}
```

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EXAMPLE JQUERY, CONTINUED

- jQuery code:

```
<script language="javascript">
$(document).ready (
    function ()
    {
        $("#button1").click(function(e) {
            $("#message1").html("That tickles!");
            $("#message1").addClass("showme");
        });
</script>
```

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CHANGING PAGE CONTENT

- .html
  - $('#err_name').html ("Must provide your name");
- .append   .prepend
- .after   .before
- .attr
  - $('#slides img).attr('src', 'slide2.jpg');
- .removeAttr

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CHANGING STYLING

- .addClass
  - $('img').addClass('myborder');
- .removeClass
- .toggleClass
- .css
  - $('body').css('font-size','24pt');
  - $('body').css(
      {'font-size' :'24pt',
          'color' :'#00ff00'}
        );

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"LOOPING"

- Lists of objects with .each
  - $('a').each will apply to all <a> tags
- Example:
    $('a').each (function() {
       theLink = $(this).attr('href');
       alert("Found a link! " + theLink);
    });

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VISIBILITY & ANIMATION

- .hide
  - $(selector).hide(speed,callback)
- .show
  - $(selector).show(speed,callback)
- .fadeIn
- .fadeOut
- fadeTo
  - $(selector).fadeTo(speed,opacity,callback)

- .slideDown
- .slideUp
- .slideToggle
  (down if hidden, up if displayed)

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