

User Interaction: jQuery

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- jQuery
 - A JavaScript Library
 - Cross-browser
 - Free (beer & speech)
 - It supports
 - manipulating HTML elements (DOM)
 - animations
 - event handling
 - AJAX

- Getting access to jQuery in our code
 - You can't just write JavaScript that calls jQuery
 - You must load it
 - From where?
 - From your own machine
 - <http://jquery.com/>
 - From someone else's machine
 - From Google
 - Why would you do this?
 - <http://code.google.com/apis/libraries/devguide.html>
 - Shortcut



- Loading jQuery is just like loading a remote JavaScript

```
<html>
  <head>
    <script type="text/javascript" src="Step5.js"></script>
  </head>

  <body onload="message()">
    Hello World!
  </body>
</html>
```

- Loading jQuery is just like loading a remote JavaScript

```
<html>
  <head>
    <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>
    <script src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.9.0/jquery-ui.min.js"></script>
  </head>

  <body>
    
  </body>
</html>
```

- With jQuery you select HTML elements in the DOM and perform actions on them
 - Basic syntax is: `$(selector).action()`
 - A dollar sign (\$) is used to define jQuery
 - `$(selector).action() = jQuery(selector).action()`
 - A **selector** to "query (or find)" HTML elements
 - A jQuery **action** to apply to the element(s)

```
<p class="foo">words</p>
```

```
<p id="bar">more words</p>
```

```
<p class="foo">even more words</p>
```

```
<img class="foo" />
```

- Selection examples:
 - multiple results
 - \$("p").hide()
 - \$(".foo").hide()
 - \$("p.foo").hide()
 - single result
 - \$("#bar").hide()
 - context dependent
 - \$(this).hide()

Possible Actions:

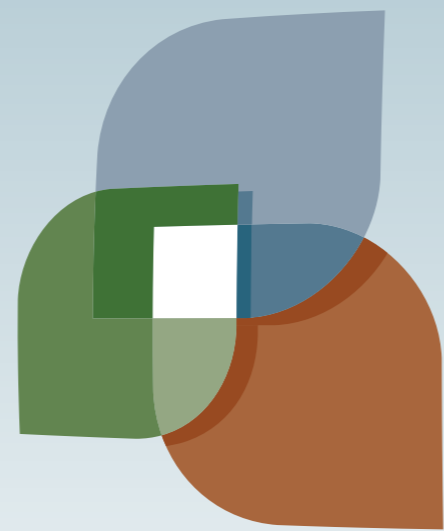
- **append** content to a DOM element
- **wrap** content around a DOM element
- **toggle** the display of a DOM element
- attach a function that is run when you **hover** over a DOM element
- you can request data via the **ajax** pattern

- Loading jQuery is just like loading a remote JavaScript

```
<html>
  <head>
    <script src="http://ajax.googleapis.com/ajax/libs/jquery/1.8.2/jquery.min.js"></script>
    <script src="http://ajax.googleapis.com/ajax/libs/jqueryui/1.9.0/jquery-ui.min.js"></script>
    <script>
      $(document).ready(
        function() {
          $("img").click(
            function () {
              $(this).hide("blind", { direction: "horizontal" }, 5000);
            }
          );
        }
      );
    </script>
  </head>

  <body>
    
  </body>
</html>
```

Step 7



L U C I

