FRONT-END WEB DEVELOPMENT

Lesson: jQuery

Emerson Taymor
co-founder, philosophie

- Review
- A lot of jQuery
  - Specific Selectors
  - DOM Insertion
  - Manipulating an element's attributes
  - Showing and hiding elements
- Practice!

REVIEW

Anything you need to review?

SELECTING...MORE SPECIFIC

SELECTING SPECIFIC TAGS

```
<!--HTML-->
<body>
    <header><h1>How do I select this tag?</h1></header>
    <h1>And not this one?</h1>
</body>


//JavaScript
$('header h1');
```

SELECTING SPECIFIC TAGS

```
<!--HTML-->
 <body>
          <div id="main">
                  <p>How about this one?</p>
          </div>
          <p>And not this one?</p>
          <p>Don't select me!</p>
 </body>
```

SELECTING SPECIFIC TAGS

```html
<!--HTML-->
 <body>
          <div id="main">
                  <p>How about this one?</p>
          </div>
          <p>And not this one?</p>
          <p>Don't select me!</p>
</body>
```

```javascript
//JavaScript
$("#main p");
```

DOM INSERTION

WE ALREADY KNOW:

.text() - get or set the text in the set of elements.

.html() - get or set the html in the set of elements

.append() - Insert content at the end of each matched element.

NEW INSERTION METHODS

.prepend(content)

‣ Insert content to the beginning of each matched element

.before(content)

‣ Insert content before all matched elements

.after(content)

‣ Insert content after all matched elements

.wrap(content)

‣ Wrap all matched elements with content

WRAP EXAMPLE

```
<!--HTML-->
<a href= "http://www.google.com">Google</a>
```

WRAP EXAMPLE

//JavaScript

```
$("a").wrap('<div class= "link" />');
```

WRAP EXAMPLE

```
<!--HTML-->
<div class= "link">
  <a href= "google.com">Google</a>
</div>
```

LAB TIME

Suggested: DOM Insertion

ATTRIBUTE MANIPULATION

RETRIEVING / CHANGING ATTRIBUTES

`.attr(attributeName)`
- ‣ Retrieves the attribute value of the first matched element

`.attr(attributeName, newValue)`
- ‣ Changes the value of attributeName to newValue

EXAMPLE

```
<!--HTML-->
  <a href="http://www.google.com">Google</a>
  <img id="logo" src="smiley.jpg" />


// JavaScript
  $("a").attr("href"); //Returns "http://www.google.com"


  $("#logo").attr("src"); // Returns "smiley.jpg"
```

EXAMPLE

\Google\

//JavaScript

$("a").attr("href", "http://www.mysite.com");

// the html will be changed to:

// \Google\

MANIPULATING ATTRIBUTES... FOR STYLE!

`.addClass(className)`

- Add a class onto all matched elements

`.removeClass(className)`

- Remove a class from all matched elements

`.toggleClass(className)`

- If the class isn't on the elements, add it. If it exists, remove it.

`.hasClass(className)`

- Checks if the matched element already has the className applied to it. Return a boolean value.

MANIPULATING ATTRIBUTES... FOR INFO!

`.val()`

- ‣ Returns the value of the "value" attribute. Useful when dealing with forms.

`.val(valueToSet)`

- ‣ Set the value of the "value" attribute

EXAMPLE

```
<!--HTML-->
<input name="age" type= "text" value= "Dave" />


//JavaScript
$('[name="age"]').val(); // Returns "Dave"


$('[name="age"]').val("Bobby");
// Sets the value attribute to "Bobby"
```

LAB TIME

Suggested:
- Exercise Attr manipulation

HIDE AND SHOW

`.hide()`

‣ Hides all matched elements by setting their inline style to display: none;

`.show()`

‣ Reveals all matched elements by setting their inline style to display: block. If the element was originally inline, than display: inline will be used.

These are roughly similar to just using `.css()`. They can be animated though.

Type the following into www.CodePen.io

```
<!--HTML-->
<h1>This should disappear slowly</h1>
```

CSS

None

```
//JS - Add the jQuery library
$('h1').hide('slow');
```

`.remove()`

‣ Removes the entire elements from the DOM.

‣ Gone!

LAB TIME

Suggested:
- Code Along Hide / show exercises
- Exercise My_jQuery
- Exercise Grocery List