



APEX – jQuery Basics

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About Me

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What is jQuery?

Why use jQuery?

- JavaScript Library
(write less, do more)
- Included with APEX
- Cross-Browser



What is jQuery?

Basically.....

- Find Element(s)
- Do something with/to it.



The Basics - HTML

```
<!DOCTYPE html>
<html>
  <body>

<h1>This is heading 1</h1>

<div id="div1">
  <p>This is a paragraph. </p>
  <p>This is another paragrah</p>
</div>

<div id="div2">
  <table>
    <tr><th>Column 1</th><th>Column 2</th><th>Column 3</th></tr>
    <tr><td>Row 1 Col 1</td><td>Row 1 Col 2</td><td>Row 1 Col 3</td></tr>
    <tr><td>Row 2 Col 1</td><td>Row 2 Col 2</td><td>Row 2 Col 3</td></tr>
    <tr><td>Row 3 Col 1</td><td>Row 3 Col 2</td><td>Row 3 Col 3</td></tr>
  </table>
</div>

</body>
</html>
```



The Basics - CSS

```
<!DOCTYPE html>
<html>
<head>
  <style>
    body {color:red;}
    h1 {color:#00ff00;}
    p.ex {color:rgb(0,0,255);}
  </style>
</head>

<body>
<h1>This is heading 1</h1>
<p>This is a paragraph. </p>
<p class="ex">This is another paragraph</p>
</body>
</html>
```



EXECUTING JQUERY

jQuery()

\$()

\$("selector").method()



DEVELOPER TOOLS

"F12" in Windows

Cmd" ⌘, "Option" ⌥ and "I" on the Mac

Right-click on page and select "Inspect Element"

- I.E.
- Chrome
- Safari - Enable in Preferences > Advanced > Show Develop
- Firefox - Firebug addon from <http://getfirebug.com>

<http://devtoolsecrets.com>



SELECTING ELEMENTS

`$("selector")`

By Element

`$("div");`

By ID

`$("#myId");`

By Class

`$(".Class");`

By Element Attribute

`$("input[name='P10_EMPNO']");`



PSUEDO SELECTORS

:checkbox

:checked

:first

:last

:odd

:even

```
$( "td :odd" );
```



TRAVERSING

.first()

.last()

.parent()

.siblings()

.children()

```
$( "table.uReport tr").first();
```

TRaversing (FILTERING)

.first()

.last()

.eq()

.filter()

.find()

.not()



EFFECTS

.hide()

.show()

.toggle()

.fadeIn()

.fadeOut()

.fadeToggle()

.slideDown()

.slideUp()

.slideToggle()



MANIPULATIONS

.val()

.html()

.attr()

.text()



MANIPULATIONS

.addClass()

.removeClass()

.toggleClass()

.height()

.width()

.css()

.prop()



CHAINING

- Most jQuery methods return another jQuery object - usually one representing the same collection. This means you can chain methods together:

```
$ ("div.myClass") .fadeOut ();
```

```
$ ("div.myClass") .fadeIn ();
```

```
$ ("div.myClass") .fadeOut () .fadeIn ();
```




THE APEX CONNECTION (WHERE TO USE?)

Page Definition

- Function and Global Variable Declaration
- Execute when Page Loads

Dynamic Actions

- Selection Type: jQuery Selector
- Action: Execute JavaScript Code



APEX Example

- Add to a page load dynamic action jQuery script to change “mailto” links to link to a popup email page.

```
$( 'a[href^="mailto:"]' ).each( function() {  
    var mailaddr = $( this ).attr( "href" ).replace( "mailto:", "" );  
    $( this ).attr( "href",  
        "javascript:popUp2( 'f?p=&APP_ID.:5585:&SESSION.:::5585:P5585_TO:"  
            + mailaddr+ "' , 550, 400 );" );  
    $( this ).text( mailaddr );  
} );
```



APEX JAVASCRIPT APIS

<http://api.oracleapex.com>

(links to current Oracle API Reference)

- **\$x(pNd)** - The Element
- **\$v(pNd)** - The Element Value
- **\$v2(pNd)** - The Element Array (multiple values)
- **\$s(pNd, pValue, *pDisplayValue*, *pSuppressChangeEvent*)**



APEX JAVASCRIPT APIS

- **apex.submit(pRequest)**
- **apex.confirm(pMessage, pRequest)**

- **apex.item(pNd)**
- **apex.item(pNd).getValue()**
- **apex.item(pNd).setValue (pValue, *pDisplayValue*, *pSuppressChangeEvent*)**
- **apex.item(pNd).addValue(pValue)**

- **apex.item(pNd).disable()**
- **apex.item(pNd).enable()**
- **apex.item(pNd).hide(*pHideRow*)**



References:

<http://jquery.com/>

<http://learn.jquery.com/>

<http://api.jquery.com/>

<http://woorkup.com/wp-content/uploads/2011/12/jQuery-17-Visual-Cheat-Sheet1.pdf>

<http://api.oracleapex.com>