

Web Design and Programming (0107558)

Internet Programming (0107571)¹

JavaScript Framework (jQuery)

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¹Michael Mendez. *The Missing Link: An Introduction to Web Development and Programming*. Open SUNY Textbooks 2014.

jQuery

What is jQuery?

- ▶ jQuery is a fast, small, and feature-rich JavaScript library.
- ▶ Makes things much simpler with an easy-to-use API that works across a multitude of browsers, like:
 - ▶ HTML document traversal and manipulation,
 - ▶ event handling,
 - ▶ animation,
 - ▶ and Ajax.

jQuery

jQuery Syntax

`$(selector).action():`

- ▶ A \$ sign to define/access jQuery
- ▶ A (selector) to "query (or find)" HTML elements
- ▶ A jQuery action() to be performed on the element(s)

Demo

19-jQhello.html

jQuery

The Document Ready Event

```
$(document).ready(function(){  
  
    // jQuery methods go here...  
  
});
```

This is to prevent any jQuery code from running before the document is finished loading (is ready).

Equivalent Code

```
$(function(){  
    // jQuery methods go here...  
  
});
```

Demo

20-jQresize.html

jQuery

Events in jQuery

Demo:

- ▶ [21-jQhandlingevents.html](#)
- ▶ [22-jQhandlingeventslistener.html](#)

jQuery

jQuery AJAX Methods

- ▶ `$(selector).load(URL, data, callback);`
Ex. `$("#div1").load("name.txt");`
- ▶ `$.get(URL, callback);`
- ▶ `$.post(URL, data, callback);`

Demo

23-jQajax.html