JQuery

1. jQuery is a JavaScript Library.
2. jQuery greatly simplifies JavaScript programming.
3. jQuery is easy to learn.
4. jQuery is a lightweight, "write less, do more", JavaScript library.
5. The purpose of jQuery is to make it much easier to use JavaScript on your website.
6. jQuery also simplifies a lot of the complicated things from JavaScript, like AJAX calls and DOM manipulation.

The jQuery library contains the following features:

* HTML/DOM manipulation
* CSS manipulation
* HTML event methods
* Effects and animations
* AJAX
* Utilities

jQuery Syntax

The jQuery syntax is tailor-made for **selecting** HTML elements and performing some **action** on the element(s).

Basic syntax is: **$(*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)

Examples:

$(this).hide() - hides the current element.

$("p").hide() - hides all <p> elements.

$(".test").hide() - hides all elements with class="test".

$("#test").hide() - hides the element with id="test".

<head>

<script src="jq.js"></script>

<script>

$(document).ready(function()

{

$("#b1").click(function()

{

$("p").hide(3000);

});

$("#b2").click(function()

{

$("p").show(3000);

});

});

</script>

</head>

<body>

<p style="color:yellow;background-color:black;">This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para

</p>

<input type="button" id="b1" value="Hide">

<input type="button" id="b2" value="Show">

Example 2:

<head>

<script src="jq.js"></script>

<script>

$(function()

{

$("#b1").click(function()

{

$("p").hide(3000);

});

$("#b2").click(function()

{

$("p").show(3000);

});

});

</script>

</head>

<body>

<p style="color:yellow;background-color:black;">This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para This is a para

</p>

<input type="button" id="b1" value="Hide">

<input type="button" id="b2" value="Show">

The Document Ready Event

You might have noticed that all jQuery methods in our examples, are inside a 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).

**Tip:** The jQuery team has also created an even shorter method for the document ready event:

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

Selector in JQuery

JQuery Uses CSS Selector

1. Element Selector
2. Class selector
3. Id selector
4. Contextual selector
5. Universal selector

Element Selector

Work for all instance of particular tag

Jquery code

$(“h1”).hide(2000)

Html code

<body>

<h1>Heading1 </h1>

<h1>Heading2 </h1>

<h1><h1>Heading3 </h1>

<p>This is para </h1>

</body>

Class Selector

Access by dot(.) sign

Jquery code

Example 1

========

$(“h1.a”).hide(2000)

Html code

<body>

<h1 class=”a””>Heading1 </h1>

<h1 class=”a”>Heading2 </h1>

<h1><h1>Heading3 </h1>

<p class=”a”>This is para </h1>

</body>

Example 2

========

$(“.a”).hide(2000)

Html code

<body>

<h1 class=”a””>Heading1 </h1>

<h1 class=”a”>Heading2 </h1>

<h1><h1>Heading3 </h1>

<p class=”a”>This is para </h1>

</body>

Id Selector

Access by hash(#) sign

Jquery code

Example 1

========

$(“#a”).hiide(2000)

Html code

<body>

<h1 id=”a””>Heading1 </h1>

<h1 id=”a”>Heading2 </h1>

<h1><h1>Heading3 </h1>

<p class=”a”>This is para </h1>

</body>

Contextual Selector

Work for nested tag

Jquery code

Example 1

========

$(“p img”).hiide(2000)

Html code

<body>

<imgsrc=”a.jpg” height=”100” width=”100” >

<p>this is a para here this is a para herethis is a para here

<imgsrc=”a.jpg” height=”100” width=”100” >

</p>

</body>

Universal selector

Asterisk (\*) is the universal selector

Example 1

========

$(“\*”).hiide(2000)