Front End Development

Tom Owens

Introduction to libraries (jQuery) and frameworks
SESSION TYPE : LESSON
WBD4300

Introduction to libraries (jQuery) and frameworks

JQUERY Selectors

Events in jQuery & HTML/DOM Manipulation

Events handling with jQuery

Recap

Pop Quiz

Workshop: Use of jQuery Effects

Learning Outcomes

After this Lesson and Workshop you should know....

What JQUERY is and what it is used for.

Selectors and Events and how to use them in JQUERY

An Overview of the various features of JQUERY.

Use of JQUERY effects

Introduction to libraries and frameworks

Introduction to libraries (jQuery) and frameworks

The purpose of jQuery is to make it much easier to use JavaScript on your website.

jQuery is a lightweight, "write less, do more", JavaScript library.

The jQuery library contains the following features:

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

JQUERY Selectors

jQuery AJAX

jQuery AJAX Intro
jQuery Load
jQuery Get/Post

jQuery Misc

jQuery noConflict()
jQuery Filters

jQuery Examples

jQuery Examples
jQuery Quiz
jQuery Certificate

jQuery References

jQuery Selectors
jQuery Events
jQuery Effects
jQuery HTML/CSS
jQuery Traversing
jQuery AJAX
jQuery Misc
jQuery Properties

jQuery Selectors

Use our jQuery Selector Tester to demonstrate the different selectors.

Selector	Example	Selects
*	$("*")	All elements
#id	$("#lastname")	The element with id="lastname"
.class	$(".intro")	All elements with class="intro"
.class,.class	$(".intro,.demo")	All elements with the class "intro" or "demo"
element	$("p")	All <p> elements
el1,el2,el3	$("h1,div,p")	All <h1>, <div> and <p> elements
:first	$("p:first")	The first <p> element
:last	$("p:last")	The last <p> element
:even	$("tr:even")	All even <tr> elements
:odd	$("tr:odd")	All odd <tr> elements

JQUERY Selectors

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Events in jQuery

Events in jQuery & HTML/DOM
Manipulation

Events handling with jQuery

 dblclick()

click()
keypress()
submit()
load()
changeresize()
mouseenter()
on()
off()
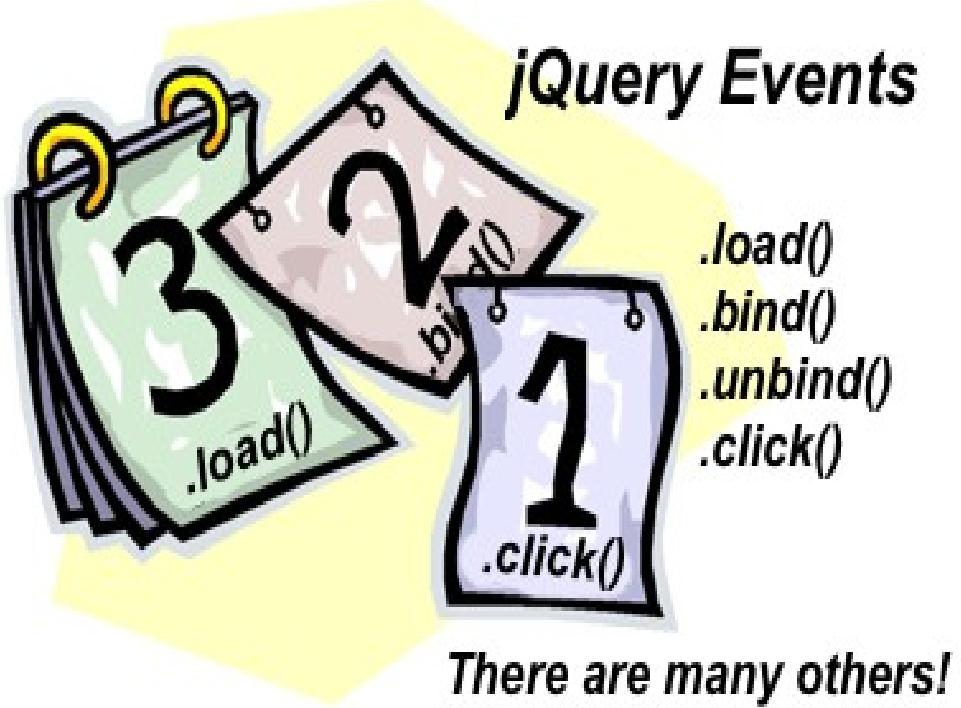
Recap

The Features of Jquery and Plugins

Events Reference on w3schools

https://jquery.com/

Selectors and how they work. CSS and HTML DOM.
Dollar sign and parenthesis

$().

Custom Selectors

Events and how to use them.

POP QUIZ

1. What are JQuery Selectors used for?

2. $("p").hide(); What does that do to a <p> element?

3. Moving the mouse over an element is refereed to a 'what' in Jquery?

4. what does CDN stand for?

5. What is another name for an asynchronous xml page loading library feature?

1. identifying HTML elements

2. Hides all p elements on a page.

3. An event

4. Content Delivery Network

5. AJAX.

Use of jQuery Effects

Workshop

Who are we?
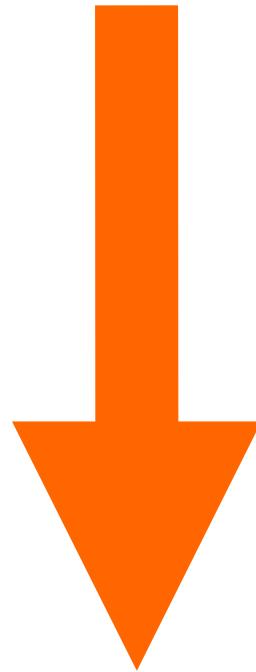
We are going to build this simple JQUERY
fadeIn() Effect.

S

A

E

```html
<script
src="https://ajax.googleapis.com/ajax/libs/jquery/3
.3.1/jquery.min.js"></script>
<script>

$(document).ready(function(){
    $("button").click(function(){
        $("#div1").fadeIn();
        $("#div2").fadeIn("slow");
        $("#div3").fadeIn(4000);
    });
});
</script>
```

```
<style>
body { font-family: Arial;font-size:84px;color:white;}
</style>
</head>
<body>
<button>Who are we?</button><br><br>
<div id="div1"
style="width:80px;height:80px;display:none;background-
color:orange;">S</div><br>
<div id="div2"
style="width:80px;height:80px;display:none;background-
color:black;">A</div><br>
<div id="div3"
style="width:80px;height:80px;display:none;background-
color:grey;">E</div>
</body>
```