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jQuery for Developers

Duration: 2 Days

Overview:

jQuery is a fast and concise JavaScript Library that simplifies HTML document traversing, event handling, animating, and Ajax interactions for rapid web development. **jQuery is designed to change the way that you write JavaScript.**

Aspect Training's jQuery for Developers training course teaches JavaScript developers how to make the most of the jQuery JavaScript library, in a hands-on, instructor-led environment. Through a series of lectures, demonstrations, and exercises, students attending this course will learn how to perform AJAX requests using jQuery, leverage the browser event model, manipulate the document object model, add effects and animations to their web pages, and leverage jQuery plugins.

Prerequisites:

Students attending this course should have experience programming using the JavaScript language.

Continued over....



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Course Topics:

Debugging JavaScript

Debugging JavaScript
Common Mistakes
Debugging JavaScript
IE Default Error Dialog
IE Debugging
Script Debugger
Debugging JavaScript
Debugging JavaScript

Introduction to jQuery

jQuery philosophies
Fundamentals of jQuery
Reasons to use (and not use) jQuery
Downloading & Installing jQuery
Understanding the jQuery wrapper & its uses
DOM & CSS manipulation with jQuery

Manipulating CSS with jQuery

CSS selectors and jQuery
Selecting elements with jQuery
Selecting elements by container
Selecting elements by child
Using attribute-based selections
Working with sets of selected elements
Determining set size
Iterating over selected elements
Obtaining subsets of wrapped elements
Leveraging DOM relationships

Manipulating HTML & the DOM using jQuery

Adding/Removing DOM elements
Replacing page content
Relocating DOM/HTML content
Removing and copying DOM elements

Working with form data

Retrieving & manipulating form elements
Retrieving form data
Leveraging the form plugin

Understanding the jQuery event model

Adding (and removing) event handlers to DOM elements
Triggering event handlers with jQuery
Understanding & controlling event propagation

Using jQuery animation methods

Using show(), hide(), and toggle()
Managing collapsible lists
Using fade and slide transition effects
Using the animate() wrapper for custom animations

AJAX applications with jQuery

Replacing XMLHttpRequest with jQuery methods
Using the jQuery load() function
Making GET and POST requests with jQuery
Using .ajax() for fine-grained control over AJAX queries
Understanding AJAX global functions

Using other jQuery plugins (Live Query, Form, UI, and others).