

jQuery Training: DOM Scripting and Ajax Development using jQuery

Course Summary

Description

jQuery has taken over the web development world. More and more developers are recognizing that JavaScript is a capable and robust programming language that can be used to do amazing things to any web page, transforming it from a boring, static group of pages into a fulfilling and dynamic web experience!

The only problem is that JavaScript isn't easy to work with. Enter jQuery. jQuery simplifies all client-side scripting tasks. jQuery makes JavaScript accessible to the masses and does it in a way that retains its power. jQuery has become the basis for hundreds of plug-ins and user-interface widgets that make web pages come alive!

This very practical and hands-on course teaches jQuery to web developers and designers, especially those who have seen JavaScript and understand the basics of how it works. Major focus is given to learning real-world applications and how it interacts with other tools to create useful, feature-rich, compelling web sites.

Topics

- Hello, jQuery – an intro to jQuery.
- Unobtrusive JavaScript
- jQuery fundamentals
- Ajax with jQuery – get, post, getJSON, getScript, and so forth.
- jQuery Ajax callbacks – because it is asynchronous after all.
- How to get the ultimate control with Ajax.
- Pointing to DOM elements in jQuery using CSS selectors
- Using selectors – Children, container, and classes
- Handling jQuery wrapped sets
- Getting and setting styles and DOM element attributes
- Getting and setting DOM contents, both innerText and innerHTML
- The jQuery Event model – how to respond to events like click, hover, enter, and more.
- Adding triggers
- Smooth transitions using animation– showing and hiding, moving, fading in and out.
- jQuery utility functions – string manipulation, array functions, etc.
- Reading and writing JSON.
- jQuery widgets
- jQuery UI effects and interactions
- Putting it all together: Real world examples and applications
- jQuery templates plug-in: Getting and displaying data (Time permitting)

Audience

This course is designed for web application programmers who may know JavaScript but want to learn jQuery

Prerequisites

Students should have some experience with JavaScript and HTML.

Duration

Three days

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