

jQuery, Part 1 of 6: Fundamentals

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Meet the expert: Michael Bibeault has been turning coffee into quality software since 1976 when he starting programming in BASIC on a Control Data Cyber. He is currently an Architect and Technical Lead at a company that manufactures residential gateways and set-top TV boxes. Bear has two Electrical Engineering degrees from the University of Massachusetts and has also taught in the Graduate Computer Engineering Program of that esteemed institution for a decade. Bear has co-authored four books: Ajax in Practice, Prototype and Scriptaculous in Action, jQuery in Action, and jQuery in Action, 2nd edition. He is also currently working on a 5th book with John Resig: Secrets of the JavaScript Ninja.

Prerequisites: Basic knowledge of computer programming in C++, C#, or Java.

Runtime: 55:15

Course description: This course will cover the fundamentals of jQuery starting with why use jQuery. The course will then cover downloading and installing files, adding jQuery to a page, getting and using Plugins, Statements and end with utility functions.

Course outline:

Introduction to jQuery

- Introduction
 - The Web has Changed
 - Meeting the Challenge
 - Why jQuery?
 - jQuerys Primary Goals
 - Letting JavaScript be JavaScript
 - Functional vs Imperative JS
 - Unobtrusive JavaScript
 - Why jQuery? (again)
 - Demo: JavaScript Form
 - Ajax, the Hard Way
 - Demo: jQuery Form
 - Ajax, the Easy Way
 - Summary
- Demo: In Action
 - Method Chaining
 - Extensibility and Plugins
 - Summary

jQuery Syntax and Setup

- Introduction
- jQuery Statement Syntax
- Demo: jQuery Statements
- jQuery Statement Syntax
- jQuery Utility Functions
- Global Namespace Intrusion
- jQuery noConflict() Utility Func
- Getting jQuery
- Loading the Library
- Summary

jQuery Document Ready Handler

- Introduction
- Document-ready Handler
- Demo: Ready-Handlers