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

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
- Demo: In Action
- Method Chaining
- Extensibility and Plugins
- Summary