jQuery, Part 1 of 6: Fundamentals

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