

Fast Track to AJAX

Course length: 3 days

Course Content

Lesson 1: Introducing the Course

- Topic 1A: Course Format
- Topic 1B: What is AJAX?
- Topic 1C: Examples of AJAX
- Topic 1D: Benefits of AJAX
- Topic 1E: Limitations with AJAX
- Topic 1F: AJAX vs. Flash

Lesson 2: Advanced JavaScript

- Topic 2A: Working with Complex Data Types - Arrays and Objects
- Topic 2B: The JavaScript Document Object Model (DOM)
- Topic 2C: Referencing Form Fields and Values
- Topic 2D: Working with <iframe>
- Topic 2E: Binding JavaScript Methods to Data Objects (Prototyping)

Lesson 3: Using Scripting to Dynamically Change Page Contents

- Topic 3A: Generating JavaScript with ColdFusion
- Topic 3B: Using JSString Format() to Escape Bad Characters
- Topic 3C: Representing Complex ColdFusion Data Types in JavaScript
- Topic 3D: Using the innerHTML Method to Modify Content on a Page
- Topic 3E: Binding JavaScript Methods to Data Objects

Lesson 4: Interacting with the Server

- Topic 4A: Passing Information From the Browser's DOM to ColdFusion
- Topic 4B: Making Background Server Requests Using <iframe>
- Topic 4C: Transmitting Complex Data Types to the Server
- Topic 4D: Using the XMLHttpRequest Object

Lesson 5: Using Adobe Spry

- Topic 5A: Spry Overview
- Topic 5B: Installing Spry
- Topic 5C: Retreating Data with Spry
- Topic 5D: Working with Data
- Topic 5E: Working with JSON
- Topic 5F: Debugging Spry
- Topic 5G: Spry Widgets
- Topic 5H: UI Widgets
- Topic 5I: Loading Data into Spry Fields
- Topic 5J: Posting Form Data from Spry

Lesson 6: Google Mashups

- Topic 6A: Introductions to Mashups
- Topic 6B: Getting Started with Google Maps
- Topic 6C: Google Map Basics



Topic 6D: Programmatically Geocoding addresses
Topic 6E: Making Background Server Requests to CF8
Topic 6F: Defining Map Markers
Topic 6G: Responding to User Events

Lesson 7: The ColdFusion 8 AJAX Framework

Topic 7A: ColdFusion 8 AJAX Features
Topic 7B: Debugging ColdFusion AJAX Applications
Topic 7C: UI Tags
Topic 7D: Fetching Data Using <cfsprydataset>
Topic 7E: Invoking Server-Side Methods with <cfajaxproxy>
Topic 7F: Field Binding
Topic 7G: Using AJAX Enabled Form Elements

Lesson 8: Developing Applications with jQuery

Topic 8A: Introduction to jQuery
Topic 8B: Deploying jQuery
Topic 8C: Locating Objects with Selectors
Topic 8D: Dynamically Changing Object Attributes
Topic 8E: Changing Page Content without a Page Reload
Topic 8F: Modifying CSS
Topic 8G: Binding Functions to Events
Topic 8H: jQuery Effects
Topic 8I: Working with Datasets / Background Data Requests
Topic 8J: Working with the UI Library - Interactions and Widgets
Topic 8K: Using and Creating jQuery Plugins

