

PHP AJAX Course Content:

Course Outline/Agenda

This Advanced AJAX training course covers the following topics:

- Introduction to AJAX training
 - What is AJAX?
 - Why use AJAX?
 - Why not use AJAX?
- Defining look and feel using Cascading Style Sheets (CSS)
 - CSS Basics
 - CSS Selectors
 - Pseudo Selectors
 - CSS Styles & AJAX
- JavaScript Fundamentals
 - About JavaScript
 - Some JavaScript History
 - Basic Concepts
 - Examples
- JavaScript Lexical Structure
 - Case Sensitivity
 - Literals
 - Identifiers
 - The Assignment Operator
 - Reserved Words
 - Data Types
 - Logical Operators
 - Other Assignment Operators
 - Other Operators
 - Decision Statements
 - The Switch Statement
 - The Function Statement
 - The return Statement
 - More on Functions
 - Function Assignment
 - Function Arguments
- JavaScript Objects
 - Creating & Specifying Objects
 - Setting & Querying Objects
 - Miscellaneous Object Information
- Arrays
 - Array Methods
- JavaScript and the DOM
 - Understanding the DOM
 - The Client Side Document Object Hierarchy
 - The Document Object
- Using the Hidden Frames Technique
 - Understanding iFrames
 - Updating iFrames
 - Why Use iFrames?
- AJAX with XMLHttpRequest

- Using XMLHttpRequest
- XMLHttpRequest Methods
- XMLHttpRequest Object Properties
- Form Field Validation
- XMLHttpRequest Advantages & Disadvantages
- AJAX Restrictions & Limitations
- XMLHttpRequest Wrap-Up
- On-the-fly Field Validation with AJAX
 - Understanding Incremental Field Validation
 - Implementing Incremental Validation
- Using JavaScript Object Notation (JSON)
 - About JSON
 - Using JSMX with JSON
 - A JSON/JSMX Example
- Periodic Refresh with AJAX
 - Understanding Periodic Refresh
 - Implementing Timeouts
- Incremental Page Loads
 - Why do Incremental Loads?
 - Implementing Incremental Loading
- Working with the XML DOM
 - The XML DOM