



0208 942 5724

Email: Info@aspecttraining.co.uk

Web: www.aspecttraining.co.uk

ASP.NET Ajax Fundamentals

Duration: 3 Days

Overview:

The ASP.NET Ajax Library is an open source, JavaScript library that enables data-driven Ajax application development that execute entirely in the browser. This new Web development from Microsoft provides both client-side and server-side components for closing the gap between web and desktop user interfaces.

The accompanying Microsoft Ajax Libraries include a browser-neutral client script library that is easily integrated with existing Web applications (including ASP.NET and non-.NET sites), improving response times and enhancing UIs with DHTML and JavaScript features that in the past would have taken enormous development efforts and extensive client-side knowledge.

ASP.NET and newer applications can take advantage of the Ajax Extensions server-side features to further enhance their UIs, often through simple mark-up. Aspect Training's ASP.NET Ajax Fundamentals course walks you through the components of ASP.NET Ajax, asks you to build a number of Ajax-enabled ASP.NET applications, and shows how best to leverage the capabilities of the extensions to make your clients' experience a richer one.

Prerequisites:

Aspect Training's ASP.NET Ajax Fundamentals course is designed for developers with ASP.NET experience interested in taking their Web applications to the next level with the ASP.NET Ajax. Improve response times, eliminate tedious post-backs, and enhance your UI with sophisticated DHTML behaviours using an intuitive framework.

Continued over....



0208 942 5724

Email: Info@aspecttraining.co.uk

Web: www.aspecttraining.co.uk

Course Topics:

Introducing ASP.NET Ajax

What is Ajax?

Raw Ajax development

A tour of ASP.NET Ajax extensions

UpdatePanel

Web services support

Client-side JavaScript library

Control toolkit

ASP.NET Ajax Server Controls

Ajax the easy way --- using server-side controls

Client-side vs. server-side

Synchronous vs. asynchronous

Partial page rendering

UpdatePanel

UpdateProgress

TimerControl

Error handling

ASP.NET Ajax Server Data

Using Ajax to access data on the server

Exposing web services to the client

WCF endpoints

Static page methods

Proxy generation

JSON serialization

Error handling

Profile service

Membership service

Debugging

Tools and techniques for debugging Ajax applications

JavaScript debugging

DOM debugging

Tracing

Interception

Tools, tools, tools

JavaScript on the Client

A primer on the JavaScript programming language

A little history

Summary of JavaScript the language

Common syntax

Common semantics

DOM programming

OO programming

ASP.NET Ajax Client-side Library

Taking advantage of Ajax on the client

Components of the Ajax extensions

client-side library

Components of the Ajax Extensions

Preview library

Event handling

JSON serialization

XMLHttpRequests

Declaring classes

Inheritance and interfaces

Managing the libraries

Script loader

Using Microsoft CDN

DataView and client data binding

Client data sources

Declarative control instantiation

Live data binding

Observer pattern

AdoNetServiceProxy

DataContext

jQuery

The 'do more write less' library

Motivation

Developing with jQuery

The '\$' function

Selectors

Events

Chaining

Effects

DOM manipulation

Ajax

plug-ins

Integration with ASP.NET Ajax