

Introduction to AJAX: Bespoke

Suggested duration: 2 days

Ajax is enabling a new wave of interface design for the web, allowing developers to build richer, more responsive user experiences. This two day course covers using the XMLHttpRequest object to create asynchronous calls to different data sources such as XML and databases. The technology used during this course is ASP but the principles can be transferred to PHP or any other Server-side technology. This is a practical, hands-on introduction to Ajax.

Run as a bespoke course, it gives you the opportunity to tailor the course to your exact requirements. To provide a start point, we'd recommend you use the suggested course outline as a guide.

Who should attend?

Anyone that has wished to start learning to build next generation web sites with web 2.0 technologies should attend. Good knowledge of HTML and reasonable XML, JavaScript skills will be required. Some ASP, PHP or equivalent skills would be useful but not essential.

The course on each day runs from 9.30 am to approximately 4.30pm.

COURSE CONTENT

• Introduction

- History of Ajax
- How Ajax works
- What kind of applications can benefit from Ajax?
- Synchronous vs asynchronous
- Demonstration of live Ajax uses

• Understanding Ajax components

- Understanding the DOM
- The XMLHttpRequest object
- Using CSS to define look and feel
- XML markup
- The roll of JavaScript
- Basic XMLHttpRequest
- Essential Ajax development tools

• Building a simple Ajax application

- Ajax Client page
- Ajax JavaScript page
- Ajax Server page
- Text form validation
- Testing & maintaining your application
- Returning more than one value with ResponseText
- Preventing extra text

• Working with Ajax and XML

- Understanding DOM scripting
- Iterating through an XML DOM
- Ajax with XML example
- Using Ajax to display images

• Ajax with databases

- Pulling data from a database
- Learn to integrate Adobe's new Spry technology
 - Using the spry: Accordion widget
 - Using the spry: Collapsible panel widget
 - Using the spry: Tab widget
 - Form validation made easy using the form validation sprys such as; text field, select and checkbox
- Also a sneak preview at Adobe's next generation Ajax technologies
- Questions and answers

- The benefits of using Asynchronous technology
- Create 'Google' suggest style facility
- Building a richer user interface with Ajax tools

What will I learn?

For more information or to book a course please call 01926 436934