

## Intensive JavaScript for Developers

### A One Day Training Course

#### Course Aims:

This is an intensive introductory course for developers who are either working in, or exposed to, the browser development environment. Presented as a mix of lectures and practical work, the course is relevant to client or server-side developers who need to develop web pages (internet or intranet) which include: visually interactive content, information based on the user's environment and/or client-side preprocessing of data sent to the server.

#### Course Outline:

##### Introducing JavaScript

- JavaScript in Context
- Benefits, Limitations
- JavaScript, JScript, ECMAScript
- Client Side Standard

##### Writing JavaScript

- Using the <script> Element
- Basic Syntax
- Using Comments
- Using External Script Files

##### Key Language Elements

- Variables and Operators
- Data Types
- Variable Scope Explained
- Comparisons and Conditionals
- if, else and else if
- Using Incremental Operators
- Looping

##### Using The Browser Object Model

- The Navigator, Window and Document Objects
- Writing Data to the Page
- Using Alert Boxes
- Browser Detection
- Redirecting the User
- Modifying the User Environment

##### Working with Arrays

- Creating, Populating, Indexing
- Array Methods
- Multi-Dimensional Arrays
- Arrays as Objects

##### Using Functions

- Creating Functions
- Returning Values from Functions
- Passing Parameters to Functions

##### Applying JavaScript

- Running Scripts from Hyperlinks
- Using Event Handlers
- Using Object Variables
- Using the DOM to Create Image Rollovers
- Working with Browser Windows
- Focus and Blur
- Creating Pages Dynamically
- Accessing Code Across Windows

##### JavaScript and Forms

- Using the DOM to Access Form Data
- Populating Form Elements
- Using the OnSubmit Event Handler
- Running Scripts from Form Elements
- Client-Side Form Validation Techniques
- Requiring Values from Selections

##### JavaScript and Cookies

- Cookies Explained
- Format, Limits
- Creating Cookies
- Reading cookies
- Using the Expiry Date - Cookies that Persist
- Working with Multiple Cookies
- Deleting Cookies

##### Introducing DHTML

- JavaScript, CSS and the DOM
- Cross Browser Implications
- Real World Development

#### Target Audience:

The pace of this course is only suitable for experienced programmers who need a "quick start" to working with JavaScript.

#### Assumed Knowledge:

Experience is assumed of JavaScript.