Syllabus of JavaScript Training

Introduction

- What is JavaScript?
- What Is AJAX?

Developer Essentials

- The development workflow
- Selecting the right tools for the job
- Just enough HTML and CSS
- Understanding objects
- Understanding variables
- Making comparisons
- Understanding events

Starting to Code

- Writing your first script
- Internal vs. external scripts
- Using comments in scripts
- Using the NoScript tag in HTML

Interacting with Users

- Creating alert dialogs
- Understanding conditional statements
- Getting confirmations from users
- Creating prompts for users
- Understanding functions
- Making links smarter
- Using switch/case statements
- Handling errors

JavaScript Language Essentials

- Getting started
- Creating loops
- Passing values to functions

- Detecting objects
- Reading arrays
- Returning values from functions
- Writing arrays
- Building do and while loops
- Re-using functions

Creating Rollovers and More

- Creating a basic image rollover
- How to write a better rollover
- Creating a three-state rollover
- Making rollovers accessible and 508 compliant
- Making disjointed rollovers
- Creating slideshows
- Displaying random images

Building Smarter Forms

- Getting started
- Creating jump menus
- Creating dynamic menus
- Requiring fields
- Cross-checking fields
- Displaying more informative errors
- Verifying radio button selections
- Setting one field with another field
- Verifying email addresses

Handling Events

- Responding to window events
- Responding to mouse movements
- Responding to mouse clicks
- Responding to onBlur form events
- Responding to onFocus form events
- Responding to keyboard events

Working with Cookies

- Demystifying cookies
- Writing a cookie
- Reading a cookie
- Displaying a cookie
- Counting with cookies
- Deleting cookies
- Handling multiple cookies
- Cookies in action

The DOM, Nodes, and Objects

- Understanding the DOM
- Adding nodes to the DOM
- Deleting nodes from the DOM
- Deleting specific nodes
- Inserting nodes into the DOM
- Replacing nodes in the DOM

Working with Dates and Times

- Displaying dates
- Displaying times
- Creating a countdown

Real-World Applications of JavaScript

- Creating sliding menus
- Creating pop-up menus
- Creating slideshows with captions
- Creating a stylesheet switcher