

# AJAX ONLINE TRAINING COURSE CONTENT

## COURSE CONTENT:

- Creating a request object
- Requesting the data
- Asynchronous data transfer
- Using the ready State property
- Using a call back function
- Using innerHTML
- Sending the request
- Requesting the data
- Error handling with try/catch
- Understanding HTTP

## USING XML AND JSON IN AJAX APPLICATIONS

- XML basics
- XML and the DOM
- Using response Text
- Using responseXML
- JSON vs XML
- JSON basics
- Using JavaScript literals
- Using CSS with Ajax

## OBJECT-ORIENTED JAVASCRIPT AND CUSTOM AJAX OBJECTS

- The new operator

- Object constructors
- Prototypes
- Using custom Ajax objects
- Ajax and forms
- Encoding

## TROUBLESHOOTING AND DEBUGGING AJAX

- The on error event handler
- Debugging Ajax with Firebug
- Tools for navigating the DOM
  - The Firefox DOM Inspector
  - The IE DOM Inspector
  - The Mouse over DOM Inspector (MODI)
  - Live HTTP Headers
- HTTP Status Codes

## USING JAVASCRIPT LIBRARIES AND CREATING A WIDGET

- Using JavaScript libraries/frameworks
- Three types of libraries/frameworks
- DOM extension
- Application conveniences
  - Widgets
- The Prototype JavaScript Framework
  - Using Prototype's Ajax Object
- Using an accordion widget to display an Ajax response

## WORKING WITH XML FEEDS AND PROVIDING FEEDBACK TO THE USER

- • Working with XML News Feeds
- • RSS .9x
- • RSS 2.0
- • RSS 1.0
- • Atom
- • Using the Scriptaculous library for visual effects
- • The yellow fade technique
- • Drag and drop functionality