

## **681 - ASP.NET AJAX**

### **Rich Internet Applications and AJAX**

- Desktop Applications
- Web Applications
- Rich Client Applications
- Using Plug-Ins
- Using JavaScript
- Asynchronous Communication
- AJAX
- Microsoft's AJAX Technologies
- A Simple AJAX Application

### **Using JavaScript**

- JavaScript and the Browser
- Data Types and Variables
- Control Structures
- Functions
- Strings
- Arrays
- Objects

### **DHTML, DOM and CSS**

- What Is DHTML?
- Document Object Model
- Accessing DOM Nodes
- Manipulating DOM Nodes
- DOM Events
- Cascading Style Sheets

### **Microsoft AJAX Client Library**

- Components of Microsoft's AJAX Support
- ScriptManager
- Client-Side Page Lifecycle
- Debugging Support
- JavaScript Extensions
- Object-Oriented Programming Support
- Global API Shortcuts
- Embedded JavaScript Resources

### **Partial Page Rendering**

- UpdatePanel Control
- Update Modes
- Triggers

- Using a Timer
- PageRequestManager
- Partial Page Update Lifecycle
- UpdateProgress Control
- Limitations and Performance Issues

## Remote Method Calls

- Web Service Methods
- Handling Errors
- Using Context
- Page Methods
- JSON Serialization
- ScriptMethod Attribute

## AJAX Control Toolkit

- Using ACT Controls in Visual Studio
- Extender Controls
- Use of Style Sheets
- Page Layout Controls
- Popup Controls
- ACT Controls and Web Services

## Application Services

- Profile Service
- Authentication Service