

Microsoft ASP.NET AJAX Using Visual Basic 2005 or C#

GWE10304
2 days

Table of Contents

[Prerequisites](#)

[Course Summary](#)

Course Summary

Microsoft has provided the ASP.NET AJAX Extensions, a set of assemblies based on the .NET Framework 2.0, which makes AJAX style web programming extremely simple. A task that used to take weeks; is now simplified to a drag and drop operation.

This course quickly dives into the history of AJAX and the simplification of AJAX made possible with the ASP.NET AJAX Extensions. You'll learn how to make partial page updates, work with Web Services in JavaScript, advanced AJAX debugging techniques, and more.

Prerequisites

This course assumes you have a basic programming background and basic knowledge of Visual Basic, HTML, CSS, JavaScript, and building Web-based applications using Visual Studio 2005.

Course Contents

AJAX Fundamentals

- The Basis of AJAX
- Introducing DHTML
- Introducing ISON
- JavaScript Objects
- Prototypes and Enclosures
- Microsoft AJAX Benefits

The ScriptManager

- Introducing the ScriptManager
- Serving Localized Content
- Using Web Services with ServiceReference
- Introducing the ScriptManagerProxy
- ScriptManager in Debug Mode
- Executing Timed Events

The UpdatePanel

- Introducing the UpdatePanel
- Client-Side Events for the UpdatePanel
- Visual Feedback with the UpdateProgress

Using the ASP.NET AJAX Control Toolkit

- AJAX Control Toolkit Community
- Consuming Toolkit Extenders
- Other Toolkit Controls
- ToolkitScriptManager Control

Debugging ASP.NET AJAX Applications

- Debug JavaScript in Internet Explorer and Visual Studio
- General Visual Studio Debugging
- Enable and Use the Visual Studio Script Explorer
- Visualize Requests and Responses by Using Fiddler
- Visualize Requests and Responses by Using Web Development Helper

The AJAX Client Library

- Introducing Microsoft AJAX JavaScript Shortcuts
- Examining Microsoft AJAX JavaScript Exentions
- Exploring the Sys Namespace in Microsoft AJAX
- Object-Oriented JavaScript Using Microsoft AJAX

Deploying ASP.NET AJAX Applications

- Deploying Web Sites
- Merging Microsoft AJAX with an Existing ASP.NET 2.0 Application
- Assembly Dependencies
- Deploying Data to a Third-Party Hosting Company
- Prepping a Database for ASP.NET Services

Developing Web Apps with AJAX

- Setting Up a New Web Application Project
- Creating a SQL Server Express Database
- Using Table Adapters to Create, Update, and Delete Data
- Using Page Methods to Access Data/Text Results