

Using AJAX in ASP.NET

Course Description

This advanced class focuses on building a high performance application using ASP.NET AJAX. This class start with the fundamental of ASP.NET AJAX, Using ASP.NET AJAX Server control. Know how to debug AJAX application, Create you AJAX Control

Course Level

Advanced

Who should attend?

.NET Developer who want to create the AJAX Web Application

Pre-requisites

Good understanding of Programming .NET Application , ASP.NET and JavaScript

Course Objectives

- Understanding ASP.NET AJAX
- Using Server Control
- Create Client Script
- Debug and Trace AJAX Application
- Call Web Service from Web Application
- Create a Localize Resource
- Create a Custom AJAX Control

Course Durations

18 Hours

Course Outline

1. Introduction to ASP.NET AJAX
 - Overview
 - Installing ASP.NET AJAX
 - Sample ASP.NET AJAX Application
 - Introduction to the UpdatePanel
 - Introduction to the UpdateProgress
 - Introduction to the Timer Control
2. ASP.NET AJAX Server Controls
 - UpdatePanel Control Overview
 - The UpdatePanel Control
 - UpdateProgress Control Overview
 - The UpdateProgress Control
 - Timer Control Overview
 - The Timer Control
 - ScriptManager Control Overview

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 - Using ASP.NET AJAX UpdatePanel*
 - Using ASP.NET AJAX UpdateProgress*
 - Using ASP.NET AJAX Time Control*
 - Using ScriptManager*
3. Client Scripting
 - Extending JavaScript with ASP.NET AJAX
 - Creating Custom Client Script in AJAX
 - Embedding a JavaScript File as a Resource
 - Embedding Localized Resources

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 - Create Custom Client Script*
 - Create JavaScript Resource*
4. Debugging and Tracing
 - ASP.NET AJAX Debugging and Tracing

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 - Debug ASP.NET AJAX*
5. Web Services
 - Asynchronous Communication Layer
 - Exposing Web Services to Client Script
 - Calling Web Services from Client Script
 - ASP.NET Application Services

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 - Call Web Service from Web Client*
6. Localization and Globalization
 - Localizing Resources for Component
 - Globalizing a Date by Using Client Script
 - Embedding Localized Resources

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 - Create Localize Resource in AJAX*
7. Extending ASP.NET AJAX
 - Creating Custom ASP.NET AJAX Non-Visual Client Components
 - Creating Custom ASP.NET AJAX Client Controls
 - Adding Client Behaviors to Web Server Controls by Using ASP.NET AJAX Extensions
 - Adding Client Capabilities to a Web Server Control by Using ASP.NET AJAX Extensions

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Create Custom ASP.NET AJAX Control

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