

Visual Studio 2008 ASP.NET 3.5 (MS6463)

Duration: 2 days

Description

This two-day instructor-led course provides students with the knowledge and skills to create a fully functional Web application by using ASP.NET 3.5.

Audience

This course is intended for application developers who know how to create applications in Visual Studio 2005 or 2008.

Prerequisites

Before attending this course, students should have intermediate experience developing applications by using previous versions of Microsoft Visual Studio at level 200.

Topics

GETTING STARTED WITH ASP.NET 3.5

This module explains how to build and configure a simple ASP.NET application.

Lessons

- Building Dynamic Web Pages with ASP.NET 3.5
- ASP.NET 3.5 Features
- Configuring ASP.NET Applications

Lab: Creating and Configuring an ASP.NET 3.5 Application

- Creating an ASP.NET Application
- Configuring Session State
- Configuring Caching

IMPLEMENTING A USER INTERFACE WITH ASP.NET SERVER CONTROLS

This module explains how to implement a dynamic user interface by using ASP.NET controls.

Lessons

- Consuming Controls to Interact with Users
- Creating Custom Controls

Lab: Consuming and Creating ASP.NET Server Controls

- Creating a User Interface by Using Web Server Controls in an ASP.NET Form
- Creating User Controls and Custom Server Controls

DISPLAYING AND MANIPULATING DATA IN ASP.NET 3.5

This module explains how to display and manipulate data from any source in an ASP.NET application.

Lessons

- Accessing Data by Using ADO.NET 3.5
- Accessing Data from Services
- Rendering Data in Web Controls

Lab: Displaying and Manipulating Data in ASP.NET 3.5

- Accessing Data from an XML File as a Data Source
- Consuming Data from a Web Service
- Displaying and Updating Data by Using Data-Bound Controls

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CREATING RESPONSIVE PAGES BY USING CLIENT-SIDE TECHNOLOGIES

This module explains how to create pages that respond rapidly to user requests.

Lessons

- Creating Partial Page Updates by Using AJAX
- Scripting Actions on the Web Client

Lab: *Creating Responsive Pages by Using Client-Side Technologies*

- Implementing Partial Page Updates by Using AJAX Controls
- Accessing a Web Service by Using a Client-Side Script

DEBUGGING AND DEPLOYING ASP.NET APPLICATIONS

This module explains how to deploy a reliable, robust Web application to a Web server.

Lessons

- Troubleshooting and Debugging ASP.NET Applications
- Deploying Completed ASP.NET Applications

Lab: *Debugging and Deploying ASP.NET Applications*

- Debugging an ASP.NET Application
- Deploying an ASP.NET Application

WRITING ASP.NET APPLICATIONS FOR MOBILE DEVICES

This module explains how to ensure that mobile device users can access all the functionality of a Web site.

Lessons

- Rendering Pages According to Device Capabilities

- Creating Pages with Mobile Web Controls

Lab: *Adding Support for Mobile Devices*

- Adding a Mobile Web Form to Your Application
- Displaying Data by Using Mobile Web Controls