

Course Outline

6463: Visual Studio 2008 ASP.NET 3.5

Duration: 2 days (12 hours)



Target 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 Covered:

- Module 1: Getting Started with ASP.NET 3.5
 - 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

After completing this module, students will be able to:

- Explain how to create dynamic Web pages by using ASP.NET.
- Manage state, handle requests, and improve accessibility by using the features of ASP.NET.
- Configure an ASP.NET application by using .config files

- Module 2: Implementing a User Interface with ASP.NET Server Controls
 - 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

After completing this module, students will be able to:

- Create a user interface on an ASP.NET page by using standard Web server controls.
- Create a user control and a custom server control and add them to an ASP.NET page.

- Module 3: Displaying and Manipulating Data in ASP.NET 3.5
 - 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

After completing this module, students will be able to:

- Access and manipulate data from different sources by using ADO.NET 3.5.
- Access and manipulate data from Windows Communication Foundation services or Web services.
- Present data to the user by placing data-bound controls on an ASP.NET page.

➤ Module 4: Creating Responsive Pages by Using Client-Side Technologies

- 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

After completing this module, students will be able to:

- Improve page responsiveness by using the ASP.NET AJAX controls.
- Interact with the user, access services, and access the AJAX client-side library by using client scripts.

➤ Module 5: Debugging and Deploying ASP.NET Applications

- 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

After completing this module, students will be able to:

- Find and eliminate bugs in an ASP.NET application.
- Deploy an ASP.NET application to a production Web server.

➤ Module 6: Writing ASP.NET Applications for Mobile Devices

- 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

After completing this module, students will be able to:

- Write pages that adapt to the capabilities of mobile devices.
- Utilize controls that adapt to the capabilities of mobile devices.