



Microsoft® ASP.NET Using Visual Basic® 2008

Volume 1

with Ken Getz and Don Kiely

In this course, you'll learn how to use Visual Studio 2008 and Visual Basic 2008 to build ASP.NET 3.5 Web pages. You'll gain an understanding of the architecture behind ASP.NET and how to use the various ASP.NET server controls. You'll learn to create consistent web sites using Master Pages, add membership features, configure and deploy ASP.NET applications, to authenticate users and limit their access to resources, manage state, direct users using Site Navigation tools, debug .NET and JavaScript code, and to display and edit data using ASP.NET and ADO.NET. In addition, you'll learn about new ASP.NET 3.5 features, such as support for LINQ (Language Integrated Query), CSS tools, nested master pages, and more.

Introduction

- A Review of Classic ASP
- ASP.NET Web Applications
- Rendering HTML with Server Controls
- Data Binding in ASP.NET
- Web Development Using Visual Studio

Working with Controls

- Introduction to Web Controls
- Simple Input Controls
- HyperLink and Button Controls
- List Controls
- Controlling Focus

Using Rich Server Controls

- Introduction to Rich Controls
- The Calendar Control
- The AdRotator Control
- The XML Control

Accessing Data

- Overview of ADO.NET
- Connecting to Data
- Executing Commands
- Working with Data
- Choosing an ADO.NET Provider

LINQ

- Language Integrated Query
- LINQ Syntax
- LINQ to SQL
- LINQ to DataSets
- LINQ to XML

Configuration

- Configuration Overview
- Using the Web Site Administration Tool
- Programming Configuration Files
- Encrypting Configuration Sections

Data Binding

- Introducing Data Source Controls
- Reading and Write Data Using the SqlDataSource Control
- Displaying and Editing Middle-Tier Data using the ObjectDataSource Control
- Displaying XML Data Using the XmlDataSource Control

Validating User Input

- Overview of ASP.NET Validation Controls
- Using the Simple Validators
- Using the Complex Validators
- Summarizing Results with the ValidationSummary Control
- Separating Validation into Validation Groups

CSS

- Introducing Cascading Style Sheets
- Investigating Styles
- Using Visual Studio 2008's tools for working with styles

Themes and Master Pages

- Creating a Consistent Web Site
- ASP.NET 2.0 Themes
- Master Pages

Site Navigation

- ASP.NET Web Site Navigation
- Creating an XML Site Map File
- Site Navigation Controls
- Using the Site Navigation API
- URL Mapping
- Security Trimming

Displaying Data with the GridView Control

- Introducing the GridView Control
- Filter Data in the GridView Control
- Allow Users to Select from a DropDownList in the Grid
- Add a Hyperlink to the Grid
- Deleting a Row and Handling Errors

Managing State

- Preserving State in Web Applications
- Page-Level State
- Using Cookies to Preserve State
- ASP.NET Session State
- Storing Objects in Session State
- Configuring Session State
- Setting Up an Out-of-Process State Server
- Storing Session State in SQL Server
- Using Cookieless Session IDs
- Application State

Managing Users with ASP.NET's Membership Features

- Introduction to Membership and Roles
- Using Membership Controls
- Writing Code to Interact with Membership and Roles

This course includes 48+ hours of total training time...

- 16+ hours of media run time
- 900+ pages of printable courseware
- Step-by-step hands-on lab exercises
- Pre/post exams
- Sample code

YOUR CHOICE OF FORMATS:

CD-ROM	16 CDs
DVD-ROM	2 DVDs

Server Debugging

- Server-Side Code Debugging in ASP.NET
- Using the Visual Debugger
- Debugging Exceptions and Handling Errors
- Debugging Stored Procedures

Client-Side and Advanced Debugging

- Client-side Code Debugging in ASP.NET
- Debugging Client-Side JavaScript
- Custom Data Visualizers
- Debugging .NET Framework Source Code