

Microsoft® ASP.NET Using Visual C#® 2005: Additional Topics



Instructors: **Andy Baron** is a nationally recognized industry expert specializing in SQL Server, ADO.NET and SQL Server Business Intelligence. Andy is a Microsoft MVP (Most Valued Professional), an author and editor for some of the industry's top publications, and a sought-after speaker and consultant.

Ken Getz is a nationally renowned speaker and best-selling author who specializes in programming with Visual C# and Visual Basic. He is the author and presenter of some of AppDev's most popular courses, and has been showing developers how to build powerful, robust applications for over 10 years.

Target Audience/Prerequisites: This course assumes that students have already been introduced to Visual Studio .NET 2003 or Visual Studio 2005 and Visual C# .NET 2003 or Visual C# 2005, and have some basic understanding of the .NET Framework. Some prior experience with Web development will also be helpful.

Total Learning Time: 12-36 hours

Media run time is 12+ hours, total learning time could be up to 36 hours if the courseware, labs and exams are utilized. This course can also be used as quick reference material, with the ability to access just the information you need in a matter of minutes.

Course Description: In this course you will be introduced to many exciting ASP.NET 2.0 features that will help you get the most out of the .NET Framework and make you a better and more efficient developer. You will become familiar with the debugging and tracing features in Visual Studio 2005 that help you quickly troubleshoot issues. You will also learn how to read and write XML data using XML DOM, how to work with ASP.NET Profile features and ASP.NET Web Parts, and how to take advantage of creating your own user-defined control. And finally, you will learn how you to build mobile application so your clients can get information on their PDAs and smartphones.

Course Outline:

Reading and Writing XML Using the XML DOM

- Getting Started
- Reading XML Data
- Working With Nodes
- Creating and Modifying XML
- Dealing With Errors

Debugging ASP.NET Applications

- Using the Visual Studio Debugging Features
- Handling Errors and Redirecting Users
- Debugging Client-Side Script
- Debugging SQL Server Code

ASP.NET Profile Features

- Introducing Profiles
- Configuring Profiles
- Working with Anonymous Profiles
- Creating a Custom Profile Provider
- Comparing Profiles and Session State

Tracing

- Using Page-Level Tracing
- Using Application-Level Tracing
- Using Web Events
- Viewing Information With the Web Development Helper

Creating New Controls

- Two Kinds of User-Defined Controls
- Creating a User Control
- A More Complex User Control
- Creating a Custom Control
- Investigating the StateDropDownList Control

ASP.NET Web Parts

- The History and Purpose of Web Parts
- Understanding the Web Part Controls
- Web Part Personalization
- Creating Custom Web Parts
- Creating Web Part Connections

Creating Mobile Web Applications

- A Big Problem, and a Solution
- Introducing ASP.NET Mobile Controls
- Investigating the ASP.NET Mobile Controls

Advanced Caching

- Review of Basic ASP.NET Caching
- Using Code to Implement Caching
- Caching Data Rather Than Output
- Using Database Dependencies for Cache Expiration
- DataSource Control Caching

Number of Modules	Media Run Time	Total Learning Time	Printable PDF Courseware*	Hands-on Labs	Sample Code	Pre/Post Exams	Supports Microsoft Exam Number
8 Modules	12+ hours	12-36 hours	450+ Pages	Yes	Yes	Yes	70-528

* Professionally printed, bound courseware (student manuals) are available. Ask for details.