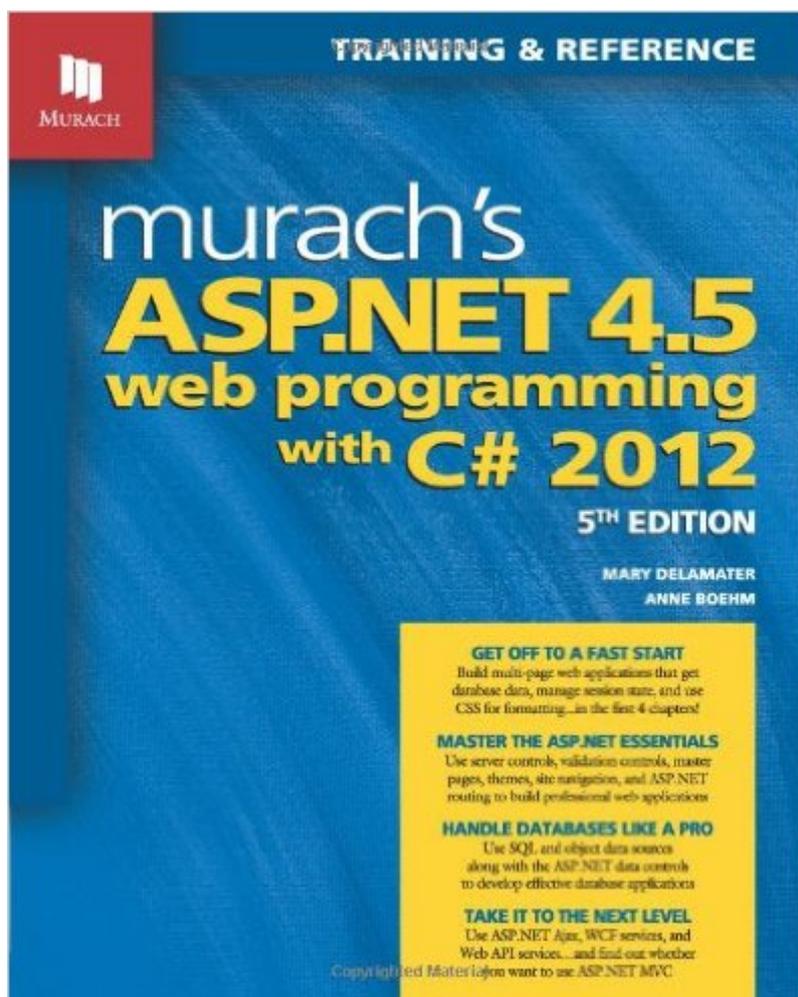


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# Murach's ASP.NET 4.5 Web Programming With C# 2012 (Murach: Training & Reference)



## Synopsis

There is an updated version of this book. If you know the basics of C#, you're ready to learn to develop server-side web applications with ASP.NET...and that's where this book comes in: Section 1 presents a quick-start course on ASP.NET Web Forms, Visual Studio tools, and the role of HTML5/CSS3...a course that works both for beginners and for experienced web developers who are new to ASP.NET. Section 2 gives you the skills you need for every web application...like how to use the server controls, validate user entries, manage state, use master pages and themes, provide site navigation, and use friendly URLs. Section 3 presents the skills you need for developing database-driven web sites at a professional level...including how to use SQL data sources, object data sources, and ASP.NET data controls like the GridView, DetailsView, FormView, and ListView controls. Section 4 covers skills that enhance your professionalism...like how to develop secure web pages, authorize and authenticate users, send email, control the use of the Back button, and deploy finished applications. Section 5 takes you to the next level by showing you how to use ASP.NET Ajax, how to develop WCF and Web API services, and how ASP.NET MVC programming differs from Web Forms programming. To make it easier for you to master ASP.NET, you get complete web applications...including the web forms, the aspx code, and the C# code...that show you how each feature works in context. (You can download these for free from the Murach web site.) You get chapter exercises that let you practice your new skills. And you get Murach's distinctive "paired-pages" format that developers like because it saves both training and reference time.

## Book Information

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## Customer Reviews

As a desktop developer wanting to learn about ASP.NET programming, when our local user group received a copy for review, I jumped at the chance to read it. I read another Murach book in the past so I knew how the format of their books worked. All of their books are formatted with text on the left hand page with examples and illustrations on the right and it is extremely effective way of reading. You can read the text on the left, then look at the examples on the right to reinforce what you just read. At the end of each chapter there are exercises for you to complete. Completing the exercises again reinforces what you read in the chapter. Each chapter has a separate project as a starting point. Then the exercises have you add the concepts that were covered in that chapter. The exercises are all working on a common example throughout the book. This gives a nice sense of continuity and you can see how all the features of ASP.NET work together to build a web application. I like doing the exercises, because this gives me a chance to do the work myself and I personally learn better by doing the work rather than just reading about it. The Murach books are great when just beginning to learn a new area. They don't assume a lot of background. Sometimes you pick up a programming book and you feel like you are over your head in just the first chapter. Not so here, the book starts with very basic concepts and then build through the chapters. This book is divided into 5 sections and 24 chapters. The core of ASP.NET is covered in the first 17 chapters. Chapters 18 - 21 cover other topics like user security and deploying your application. While chapters 22 - 24 give you an introduction to more advanced topics like Web API and ASP.NET MVC.

Setting up a website for the new web developer can be done using any number of tools. Notepad and an understanding of basic HTML is really all you need. But to move forward and create a web application that can do real work beyond page turning such as storing data in a database, validating input data and sending mail requires an understanding of more than basic HTML. It requires not only the HTML, but also JavaScript, light database design, Transact SQL scripting and more complex deployment strategies. It also requires the developer to understand the architecture of a web application as compared to the architecture of a web site. Murach's ASP.NET 4.5 web programming with C# 2012 provides the learner and the more experienced programmer all that and more. It takes you through the basics of development from web page design through testing and debugging. It explains for the new developer and reminds the more experienced programmer about

the numerous ASP.NET controls available to the developer. The way the authors do this is by using exercises to lead the learner through the development of a complete application. The authors then lead the programmer in how to use a database as part of the application and implement database features through the use of ASP.NET controls relative to database activity like GridView and ListViews. They do this by explaining step by step procedures using wizard based tools in Visual Studio to create a SQL Query, how to connect to the database and bind your data objects to the connection. Once you have these principles down the author show you how to secure your web application from intrusion, authenticate and authorize users, send email and respond to errors.

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