



## C# 2012 for Programmers (5th Edition) (Deitel Developer Series)

By Paul Deitel, Harvey M. Deitel

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**C# 2012 for Programmers (5th Edition) (Deitel Developer Series)** By Paul Deitel, Harvey M. Deitel

The professional programmer's Deitel® guide to C# 2012 and object-oriented development for Windows® 7 and Windows® 8

Written for programmers with a background in high-level language programming, this book applies the Deitel signature live-code approach to teaching programming and explores Microsoft's C# 2012 and .NET 4.5 in depth. The book presents the concepts in the context of fully tested apps, complete with syntax shading, code highlighting, code walkthroughs and program outputs. You'll work through 200+ complete C# apps with 15,000+ lines of proven C# code and hundreds of savvy software-development tips.

Start with an introduction to C# using an early classes and objects approach, then rapidly move on to more advanced topics, including LINQ, asynchronous programming with async and await, Windows® 8 UI and WPF graphics and multimedia, web services, Windows® Phone 8, Windows Azure™ and more. You'll enjoy the treatment of object-oriented programming and an OOD/UML® ATM case study, including a complete C# implementation. When you're finished, you'll have everything you need to build industrial-strength, object-oriented C# apps.

Paul Deitel and Harvey Deitel are the founders of Deitel & Associates, Inc., the internationally recognized programming languages authoring and corporate-training organization. Millions of people worldwide have used Deitel books, LiveLessons video training and online resource centers to master C#, .NET, Visual Basic®, C++, Visual C++®, C, Java™, Android™ app development, iOS® app development, Internet and web programming, JavaScript®, XML, Perl®, Python and more.

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- .NET, Types, Arrays, Exception Handling
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## **Editorial Review**

### Review

“Excellent intro to visual app development, classes and objects. Excellent Arrays chapter. Outstanding presentations of the I/O facilities in .NET. The treatment of LINQ to XML is fabulous. Excellent effort to present such a complex topic as Entity Framework to beginners. Excellent presentation of the fundamentals of ASP.NET technology. I found especially enlightening the explanation of the differences between ‘traditional’ and AJAX-based request models. A very nice introduction to Windows Phone 8 development. Concise practical introduction to cloud computing and Windows Azure.”

–Octavio Hernandez, Microsoft Certified Solutions Developer (MCSD)

“Updating an already excellent book with the latest .NET features (Visual Studio 2012, LINQ to Entities, ASP.NET 4.5, Windows 8 UI, Windows Phone development, Cloud Computing with Windows Azure, etc.) can only result in a superb product. The early introduction to classes and objects is brilliant. I like the explanation of properties and the discussion of value vs. reference types. Coverage of ASP.NET is exceptional. Arrays is one of my favorite chapters. Great job explaining inheritance, polymorphism, interfaces and operator overloading. An excellent introduction to Windows Store apps. An outstanding chapter on asynchronous programming—and excellent code examples. Clear explanation of RESTful web services.”

–José Antonio González Seco, Parliament of Andalusia, Spain

“Every college that I’ve been at has used the Deitel programming books—they’re simply the standard when it comes to covering the fundamentals. I’m pleased to see the inclusion of a diverse set of more advanced material, including WPF, Azure and Win 8 Store apps. Databases and LINQ finds a good balance—I’m happy to see Entity Framework as that is what we are using in the real world. Good introduction to creating web apps via the designer.”

–Shawn Weisfeld, Microsoft MVP and President and Founder of UserGroup.tv

“Excellent introduction to C# and .NET, using the Deitels’ live-code approach and real-world examples.”

–Bonnie Berent, Microsoft C# MVP

“An excellent introduction to XML, LINQ to XML and related technologies.”

–Helena Kotas, Microsoft

“The explanation of abstract vs. concrete classes and why one would create an abstract class in the hierarchy was excellent. Using LINQ to search directories is very cool! Your overview of relational databases with the books database was excellent. I derived a lot from the Web App Development with ASP.NET chapters, especially the Session State and database-driven guest book sections. Excellent—this was my first experience with Windows Phone development—your chapter gave me a solid foundation.”

–Stephen Hustedde, South Mountain College

“Good introduction to the most popular controls and working with events. I use the techniques of the Strings chapter in the line of business apps that I build. I liked the Files and Streams chapter and the real-world example.”

–Shawn Weisfeld, Microsoft MVP and President and Founder of UserGroup.tv

“An excellent, true objects-first book. The generics material is a real asset.”

–Gavin Osborne, Saskatchewan Institute of Applied Science and Technology

“Great chapter on polymorphism.”

–Eric Lippert, Formerly of Microsoft

“Excellent chapter on exceptions.”

–Vinay Ahuja, Architect, Microsoft Corporation

“Good overview of relational databases. It hits on the right LINQ idioms.”

–Alex Turner, Microsoft

“A solid introduction to Visual Studio 2012. Covers the basics of Windows 8 apps. Very good introduction to ASP.NET—the examples are great.”

–Shay Friedman, Microsoft Visual C# MVP; cloud and web technologies expert, CodeValue

“The book is adaptable for those who want to focus on GUI apps out of the gate. You give the reader a good foundation in XAML. Introduction to LINQ and the List Collection is a great chapter; you do such a good and consistent job of explaining your code in the narrative. The focus on using LINQ to manage data is unique and cutting edge. Fun chapter on Windows 8 Graphics and Multimedia.”

–Stephen Hustedde, South Mountain College

## **Users Review**

### **From reader reviews:**

#### **David Briggs:**

The ability that you get from C# 2012 for Programmers (5th Edition) (Deitel Developer Series) is the more deep you excavating the information that hide into the words the more you get serious about reading it. It does not mean that this book is hard to comprehend but C# 2012 for Programmers (5th Edition) (Deitel Developer Series) giving you joy feeling of reading. The author conveys their point in selected way that can be understood by simply anyone who read the idea because the author of this book is well-known enough. This specific book also makes your own vocabulary increase well. So it is easy to understand then can go along with you, both in printed or e-book style are available. We recommend you for having this specific C# 2012 for Programmers (5th Edition) (Deitel Developer Series) instantly.

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