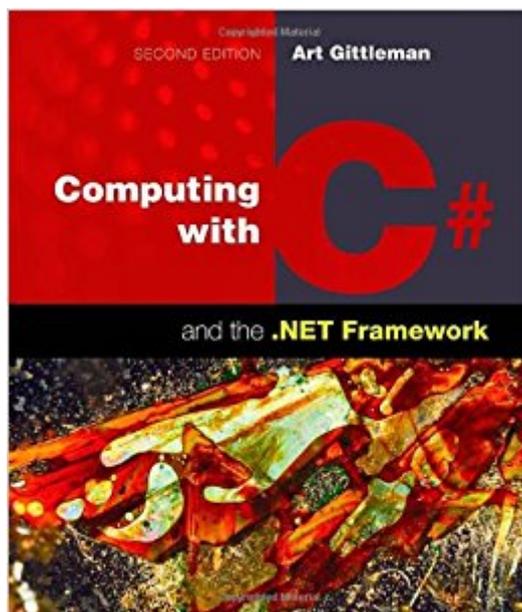


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# Computing With C# And The .NET Framework



## Synopsis

Thoroughly revised and updated to incorporate Microsoft® Visual Studio® 2010, *Computing with C# and the .NET Framework, Second Edition* carefully introduces object-oriented and event-driven programming with numerous examples, so students can grasp these difficult concepts and then apply them. Appropriate for the two-term CS1 and introductory C# programming courses, this text takes a spiral approach to teach objects, starting with simple intuitive examples, then simple class design, and progresses to the more difficult aspects of inheritance and polymorphism. Similarly with events, the spiral approach is used to introduce simple paint event first, proceeding to user interfaces and event handlers. The many and varied types of exercises provide students with the practice they need to fully comprehend this popular programming language. The basics are covered including fundamentals of C#, concepts of object-oriented and event-driven programming, as well as more advanced topics, including data structures, threads, networking, database access, XML, and Web programming. *Computing with C# and the .NET Framework, Second Edition* is the comprehensive one-volume reference for modern C#-based .NET technology!

**New and Key Features of the Second Edition:**

- Includes the new and relevant features of the C# language through version 4
- Chapter 12 has been rewritten to use generic collections
- A new section has been added to introduce Language Integrated Query (LINQ)
- Includes named and optional method arguments, anonymous functions, implicitly typed local variables, and object and collection initialization
- Contains a new appendix that provides examples showing how to use Visual Studio or Visual C# Express
- Provides numerous and varied exercises to allow the student to assimilate concepts and techniques

**Instructor Resources:**

- PowerPoint Lecture Outlines
- Solutions to the odd-numbered Programming Exercises
- Chapter Tests
- Source code for all examples in the text

## Book Information

Paperback: 756 pages

Publisher: Jones & Bartlett Learning; 2 edition (January 21, 2011)

Language: English

ISBN-10: 1449615503

ISBN-13: 978-1449615505

Product Dimensions: 0.8 x 7 x 9 inches

Shipping Weight: 3 pounds (View shipping rates and policies)

Average Customer Review: 4.9 out of 5 stars See all reviews (8 customer reviews)

Best Sellers Rank: #325,247 in Books (See Top 100 in Books) #99 in Books > Computers &

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## Customer Reviews

Great book. This book was very well explained out to make it extremely easy to learn C# as a beginner.

This book is the best book for beginners of programming with C#. It contains a lot of examples and exercises. It is terse, no redundant explanations to beginners.

This book is a must have for first time programmers or programmers who want to touch up on specific parts of C# such as threading. I only wish this book added more information on Linq and SQL queries.

The biggest changes in the second edition are two fold. First a number of errors have been corrected, including what might better be called 'description enhancements'. That is, based on comments from readers several points were difficult to understand or which needed further clarification have been re-written and expanded in an effort to make them more clear. Second, this edition has been expanded to incorporate the new features in C# Version 4, the most important of which are: Dynamic binding, Named and optional arguments, Generic co- and contravariance. Intended for use as a textbook, the book is written from a standpoint where beginning programmers are taught what is a computer and what is software. From the basic beginning the book can be used as a full year class going quite deeply into the C# language. The orientation of the book is purely directed to Microsoft. Java for instance is considered by most of us to be functionally equivalent to C# (although the details differ). In this book Java is only mentioned as an ancestor to C#.

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