

C And The Net Framework Richard L Weeks

Packed with C++ code examples and screen shots, .NET Programming with Visual C++ explains the .NET framework and managed extensions to C++, and provides a complete reference to the basic and advanced types contained in .NET Framework System namespace

If you've begun programming using Microsoft's .NET Framework, you've discovered a lot of new and improved functionality. But, more than likely, you've also discovered a lot of missing functionality. Indeed, a third of the functions supported by the old Win32 API are not yet supported by .NET. Although you may not at first notice the loss of Win32 API functionality in .NET, the more you program, the more you'll realize how essential it is. As a programmer, you will not want to do without these solutions. .NET Framework Solutions: In Search of the Lost Win32 API is one more thing you can't do without: a complete guide to your options for dealing with the functionality missing from .NET. As you'll learn, some functions are handily situated within Visual Basic or C#. In most cases, however, you'll need to access the old Win32 API from the .NET Framework. This is demanding work, but this book makes it easy, walking you through every step and paying special attention to the work of managing memory manually--the most error-prone part of the process. The topics covered inside are as varied as the missing functionality: direct hardware access, low-level security control, certain aspects of OS access, support for multimedia and utilities, and DirectX. You also get hard-to-find information on COM access, plus a collection of examples--dealing with DirectX and the MMC Snap-ins--that unite COM and Win32 access in especially illuminating ways. Over time, you can expect to see the .NET Framework expanded to include much of what it now lacks. But your programming tasks can't wait, and .NET Framework Solutions makes you productive--today.

The programming language C# was built with the future of application development in mind. Pursuing that vision, C#'s designers succeeded in creating a safe, simple, component-based, high-performance language that works effectively with Microsoft's .NET Framework. Now the favored language among those programming for the Microsoft platform, C# continues to grow in popularity as more developers discover its strength and flexibility. And, from the start, C# developers have relied on Programming C# both as an introduction to the language and a means of further building their skills. The fourth edition of Programming C#--the top-selling C# book on the market--has been updated to the C# ISO standard as well as changes to Microsoft's implementation of the language. It also provides notes and warnings on C# 1.1 and C# 2.0.

Aimed at experienced programmers and web developers, Programming C#, 4th Edition, doesn't waste too much time on the basics. Rather, it focuses on the features and programming patterns unique to the C# language. New C# 2005 features covered in-depth include: Visual Studio 2005 Generics Collection interfaces and iterators Anonymous methods New ADO.NET data controls Fundamentals of Object-Oriented Programming Author Jesse Liberty, an acclaimed web programming expert and entrepreneur, teaches C# in a way that experienced programmers will appreciate by grounding its applications firmly in the context of Microsoft's .NET platform and the development of desktop and Internet applications. Liberty also incorporates reader suggestions from previous editions to help create the most consumer-friendly guide possible.

A detailed handbook for experienced developers explains how to get the most out of Microsoft's Visual Studio .NET, offering helpful guidelines on how to use its integrated development environment, start-up templates, and other features and tools to create a variety of applications, including Web services. Original. (Advanced)

C# 6.0 in a Nutshell

Visualstudio . Net

Beginning ASP.NET 4.5 in C#

The Bulgarian C# Book

Mastering C# and . NET Programming

The C++ Perspective

A traditional CS1 text using C#, Computing with C# demystifies the art of programming with C# through an introduction rich with clear explanations and intuitive examples. The text serves as an accessible and thorough guide to object-oriented and event-driven programming concepts. Students develop a mastery of objects through the author's spiral teaching approach: first straightforward examples are presented, then simple class design, and finally the more difficult aspects of inheritance and polymorphism. The author applies this approach throughout the text, and students acquire a meaningful understanding of programming concepts and techniques.

* * Paul Yao is acclaimed as the best writer on the .NET Compact Framework (CF) * Practical, code-rich tutorial for experienced programmers wishing to transfer their skills to smart devices * Covers topics not found in other books, such as controls, data handling, graphics, and ActiveSync * Microsoft is pushing the Compact Framework very heavily.

Deep dive into C# and .NET architecture to build efficient, powerful applicationsAbout This Book*Uniquely structured

content to help you understand what goes on under the hood of .NET's managed code platform to master .NET programming*Deep dive into C# programming and how the code executes via the CLR*Packed with hands-on practical examples, you'll understand how to write applications to make full use of the new features of .NET 4.6 and C# 6Who This Book Is ForThis book was written exclusively for .NET developers. If you've been creating C# applications for your clients, at work or at home, this book will help you develop the skills you need to create modern, powerful, and efficient applications in C#.No knowledge of C# 6 or .NET 4.6 is needed to follow along-all the latest features are included to help you start writing cross-platform applications immediately. You will need to be familiar with Visual Studio, though all the new features in Visual Studio 2015 will also be covered.What You Will Learn*Understand C# core concepts in depth, from sorting algorithms to the Big O notation*Get up to speed with the latest changes in C# 6*Interface SQL Server and NoSQL databases with .NET*Apprehend every GoF Pattern with practical examples in C# 6.0*Defend C# applications against attack*Use Roslyn, a self-hosted framework to compile both C# and Visual basic .NET languages*Discern LINQ and associated Lambda expressions, generics, and delegates*Design a .NET application from the ground up*Create a .NET assemblyIn Detail.NET 4.6 is a massive change for .NET developers. It is now not only open source, but is cross-platform too. This cross-platform capability brought with it a huge architectural change and has introduced an entirely new CLR: CoreCLR.Mastering C# and .NET Programming will take you in to the depths of C# 6.0 and .NET 4.6, so you can understand how the platform works when it runs your code, and how you can use this knowledge to write efficient applications.We'll start by showing you how the CLR executes our code, and we'll look at the ignored and advanced aspects of C# programming - from delegates and generics, through to asynchronous programming. You'll be taken through new forms of type declarations and assignments (such as dynamic types), source code callers, static using syntax, auto-property initializers, dictionary initializers, null conditional operators, and many others. After this, we will unlock the true potential of the .NET platform.You'll learn how to write OWASP-compliant applications, how to properly implement design patterns in C#, and how to build out applications with a micro-service architecture.We finish by focusing on tips and tricks that you'll need to get the most from C# and .NET.

The Student's Essential Guide to .NET provides a clear and simple overview of Microsoft's .NET technologies. It is aimed at second and third year undergraduate students and postgraduate students on Computing or Computer Science courses who are required to look at a modern operating system, (Microsoft Windows 9x, Nt 2000 or XP) and to design and code simple or even not so simple examples. The approach is based upon the student's learning the technology of .NET through examples using the supported languages C#, VB and C++. The examples are based on fun, familiar games, and students are encouraged to review reference material to refine their skills on key aspects of the architecture. Review

questions and worked examples enhance the learning process and the material is supported by the author's website, which contains extensive ancillary material. * Student-focused treatment with many examples and exercises, together with solutions * Integrates the use of .NET with the supported languages C#, VB and C++ * Authors supporting website contains solutions, source code and other extras

With .NET and .NET Core

Programming C#

.NET Framework Essentials

C++/CLI in Action

Mastering C# and .NET Framework

Conventions, Idioms, and Patterns for Reusable .NET Libraries

.NET Framework Essentials is an objective, concise, and technical overview of the new Microsoft .NET Framework for developing web applications and services. Specifically written for intermediate to advanced VB, C/C++, Java, and Delphi developers, .NET Framework Essentials is also useful to system architects and leaders who are assessing tools for future projects. The authors devote special attention to the writing of .NET components plus web applications and services. This book takes on all of the most important .NET Framework topics--from the underlying Common Language Runtime (CLR) to its specialized packages for ASP.NET, Web Forms, Windows Forms, XML and data access (ADO.NET). The authors survey each of the major .NET languages, including VB.NET, C#, and Managed C++, as well as MSIL, the intermediate language understood by the CLR. They've included working code samples in every .NET language. Compact and free of fluff or proprietary hype, .NET Framework Essentials is an outstanding value for experienced programmers and architects who need to get up to speed quickly on a far-reaching new technology.

"Based on my own experience, I can safely say that every .NET developer who reads this will have at least one 'aha' moment and will be a better developer for it." --From the Foreword by Don Box The popular C# programming language combines the high productivity of rapid application development languages with the raw power of C and C++. Now, C# 3.0 adds functional programming techniques and LINQ, Language INtegrated Query. The C# Programming

Language, Third Edition, is the authoritative and annotated technical reference for C# 3.0. Written by Anders Hejlsberg, the language's architect, and his colleagues, Mads Torgersen, Scott Wiltamuth, and Peter Golde, this volume has been completely updated and reorganized for C# 3.0. The book provides the complete specification of the language, along with descriptions, reference materials, code samples, and annotations from nine prominent C# gurus. The many annotations—a new feature in this edition—bring a depth and breadth of understanding rarely found in any programming book. As the main text of the book introduces the concepts of the C# language, cogent annotations explain why they are important, how they are used, how they relate to other languages, and even how they evolved. This book is the definitive, must-have reference for any developer who wants to understand C#.

This essential classic title provides a comprehensive foundation in the C# programming language and the frameworks it lives in. Now in its 8th edition, you'll find all the very latest C# 7.1 and .NET 4.7 features here, along with four brand new chapters on Microsoft's lightweight, cross-platform framework, .NET Core, up to and including .NET Core 2.0. Coverage of ASP.NET Core, Entity Framework (EF) Core, and more, sits alongside the latest updates to .NET, including Windows Presentation Foundation (WPF), Windows Communication Foundation (WCF), and ASP.NET MVC. Dive in and discover why Pro C# has been a favorite of C# developers worldwide for over 15 years. Gain a solid foundation in object-oriented development techniques, attributes and reflection, generics and collections as well as numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). With the help of this book you'll have the confidence to put C# into practice and explore the .NET universe on your own terms. What You Will Learn Discover the latest C# 7.1 features, from tuples to pattern matching Hit the ground running with Microsoft's lightweight, open source .NET Core platform, including ASP.NET Core MVC, ASP.NET Core web services, and Entity Framework Core Find complete coverage of XAML, .NET 4.7, and Visual Studio 2017 Understand the philosophy behind .NET and the new, cross-platform alternative, .NET Core The typical user of this book will be past users of Visual C++ looking to get up to speed

quickly on developing applications for the .NET framework in Visual C++.

Sams Teach Yourself Visual C++ .NET in 24 Hours

Understanding the Virtual Execution System and the Common Type System

The C# Programming Language

C# 3.0

Application Development Using C# and .NET

In Search of the Lost Win32 API

When you have questions about C# 7.0 or the .NET CLR and its core Framework assemblies, this bestselling guide has the answers you need. Since its debut in 2000, C# has become a language of unusual flexibility and breadth, but its continual growth means there ' s always more to learn. Organized around concepts and use cases, this updated edition provides intermediate and advanced programmers with a concise map of C# and .NET knowledge. Dive in and discover why this Nutshell guide is considered the definitive reference on C#. Get up to speed on the C# language, from the basics of syntax and variables to advanced topics such as pointers, operator overloading, and dynamic binding Dig deep into LINQ via three chapters dedicated to the topic Explore concurrency and asynchrony, advanced threading, and parallel programming Work with .NET features, including XML, regular expressions, networking, serialization, reflection, application domains, and security Delve into Roslyn, the modular C# 7.0 compiler-as-a-service

The Microsoft .NET Framework provides powerful technologies such as ASP.NET Web Forms, XML Web services, and Windows Forms to simplify developing applications and components that work seamlessly on the Internet. This book shows how to make the most of the .NET Framework's common language runtime (CLR). Written by two highly respected developer /writers and intended for anyone who understands OOP concepts such as data abstraction, inheritance, and polymorphism, this book clearly explains the extensible type system of the CLR, examines how the CLR manages the behavior of types, and explores how an application manipulates types. While focusing on Visual Basic .NET, its in-depth explanations and concepts apply equally to all programming languages that target the .NET Framework. Topics covered include: The .NET Framework architecture Building, packaging, deploying, and administering applications and their types Building and deploying shared assemblies Type fundamentals Primitive, reference, and value types Operations common to all objects Type members and accessibility Constants, fields, methods, properties, and events Working with text Enumerated types and bit flags Array types Interfaces Custom attributes Delegates Error handling with exceptions Automatic memory management AppDomains and reflection

The comprehensive and practical reference to C#, now completely revised for C# 3.0 and .NET 3.5.

Publisher's Note: Microsoft will stop supporting .NET 5 in early May 2022. A new edition of this book is available that uses .NET 6

(an LTS release with support up until November 2024), C# 10, and Visual Studio 2022, as well as Visual Studio Code. Key Features

- Explore the newest additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor
- Strengthen your command of ASP.NET Core 5.0 and create professional websites and services
- Build cross-platform apps for Windows, macOS, Linux, iOS, and Android

Book Description In C# 9 and .NET 5 – Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying data, monitoring and improving performance, and working with the file system, async streams, serialization, and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. The best type of application for learning the C# language constructs and many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to 20, having mastered the basics of the language and libraries, you will build practical applications using ASP.NET Core, Model-View-Controller (MVC), and Blazor. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps. What you will learn

- Build your own types with object-oriented programming
- Query and manipulate data using LINQ
- Build websites and services using ASP.NET Core 5
- Create intelligent apps using machine learning
- Use Entity Framework Core and work with relational databases
- Discover Windows app development using the Universal Windows Platform and XAML
- Build rich web experiences using the Blazor framework
- Build mobile applications for iOS and Android using Xamarin.Forms

Who this book is for This book is best for C# and .NET beginners, or programmers who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or mathematics (STEM) background can certainly benefit from this book. Table of Contents

- Hello, C#!
- Welcome, .NET Core!
- Speaking C#
- Controlling Flow and Converting Types
- Writing, Debugging, and Testing Functions
- Building Your Own Types with Object-Oriented Programming
- Implementing Interfaces and Inheriting Classes
- Understanding and Packaging .NET Types
- Working with Common .NET Types
- Working with Files, Streams, and Serialization (N.B. Please use the Look Inside option to see further chapters)

Review "Mark Price's extraordinary book covers every aspect of C# 9 and .NET 5. It is filled with step-by-step demonstrations and will be of tremendous value both to those who want to learn C# and to more experienced C# programmers making the transition to C# 9. Highly recommended!" -- Jesse Liberty - author

of Programming C# and Learning C# (O'Reilly Media)

.NET Programming with Visual C++

Programming in the .NET Environment

.NET Framework Solutions

For .NET Framework 3.5

C# 6.0 and the .NET 4.6 Framework

Learning Visual Basic 2008 with .Net Framework 3.5

C++ is the language of choice for thousands of applications and millions of lines of code. With C++/CLI, developers can integrate existing C++ code into the .NET platform without rewriting their applications. This book explores the C++/CLI syntax, teaches how to mix native C++ and managed .NET code, and shows how to integrate C++ with Windows Forms, WPF (Avalon), and WCF (Indigo). Imagine taking a C++-based program you've been using for a decade and giving it a snazzy new interface using Windows Presentation Foundation. How about making your old business applications talk to your new ones using Windows Communication Foundation. C++/CLI makes this--and more--possible. C++/CLI in Action shows you how to bridge the gap between your existing C++ code and the .NET platform. C++/CLI in Action will help you if: You're hesitant to migrate to .NET because it means rewriting code in C# or VB. You have significant C++ expertise that you want to leverage in the .NET. You only need to use pieces of the .NET framework, such as Windows Forms or web services. There's no fluff here. Designed for readers who already know C++, this book starts by teaching the unique aspects of the C++/CLI language. After a quick tour through the basics, readers work through examples of integrating standard C++ into the .NET-based applications and building programs that mix C++ and .NET code for maximum performance and efficiency.

Thoroughly revised and updated to incorporate Microsoft Visual Studio 2010, "Computing with C# and the .NET Framework" carefully introduces object-oriented and event-driven programming with numerous examples. 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.

Completely revised, this edition is an essential guide for VB programmers looking to make the change to the .NET programming environment.

Demonstrates how to create generic frameworks, libraries, classes, and tools that can be used in the .NET environment and provides instructions on how to select the right language to develop parts of a system and how to integrate them at runtime.

Tutorial, Reference, and Immediate Solutions

Essential C 3.0

Student's Essential Guide to .NET

NET Windows Forms in a Nutshell

Framework Design Guidelines

The . Net Framework Black Book

Annotation -- Presents the.NET architecture, libraries, and services, and how to use them from the programming languages supported by Visual Studio .NET-- Covers the importance and usage of XML in Visual Studio .NET-- Looks at the major technologies introduced in

.NET, plus how .NET applications can interoperate with existing COM objects-- Shows how to leverage the features of .NET in the languages which VS.NET supports-- Explores how to use WebForms for writing Web-based front ends-- Covers how to use WinForms to design GUI applications.

The practical guide to C# .NET development for experienced programmers. Running case study covers the entire .NET development process. .NET attributes, collections, threading, security, versioning, remoting, and more.

Learn about the fundamentals and inner workings of the Common Type System (CTS) and the Virtual Execution System (VES) of the Common Language Runtime (CLR) and how they relate to the Base Class Library (BCL) from the perspective of the execution environment. The author first gives an introduction to the .NET Framework and describes the architectural and engineering resources required when implementing the .NET Framework on any platform. Next, you will learn about the BCL and understand how to work with system structures including the fundamental built-in types `system.array` and `system.string`. You will then learn about the VES along with its methods and functionality. Further, you will go through the Common Intermediate Language (CIL), Assembly Manifest, and versioning. You will also learn how to design and implement libraries in detail by creating a .NET class library. After reading this book, you will understand .NET Framework features, as well as details about the core functionalities of the VES and elements of the CTS. What You Will Learn Discover details of the Common Type System (CTS) Work with the Virtual Execution System (VES) See the importance of correct use of fundamental built-in managed types Carry out good programming practice in a managed environment Implement a .NET class library Who Is This Book For Developers who are working with the .NET Framework on Windows.

When you have questions about C# 9.0 or .NET 5, this best-selling guide has the answers you need. C# is a language of unusual flexibility and breadth, but with its continual growth there's so much more to learn. In the tradition of O'Reilly's Nutshell guides, this thoroughly updated edition is simply the best one-volume reference to the C# language available today. Organized around concepts and use cases, C# 9.0 in a Nutshell provides intermediate and advanced programmers with a concise map of C# and .NET that also plumbs significant depths. Get up to speed on C#, from syntax and variables to advanced topics such as pointers, records, closures, and patterns Dig deep into LINQ with three chapters dedicated to the topic Explore concurrency and asynchrony, advanced threading, and parallel programming Work with .NET features, including regular expressions, networking, spans, reflection, and cryptography

Programming Visual Basic .NET

Professional C#

C# and the .NET Framework

Building .NET Applications with C#

C# 7.0 in a Nutshell

The Definitive Reference

Edited by a Lead Program Manager on Microsoft's .NET Framework team, .NET Framework Standard Library Annotated Reference, Volume 1, is the definitive reference for the .NET Framework base class library. This book utilizes extensive annotations and code samples from the creators of the technology to move beyond the online documentation and provide .NET developers with a dictionary-style reference to the most-used parts of the Framework. This volume covers a subset of the ISO CLI Standards, including the Base Class Library and the Extended Numerics Library. In the printed book you will find informative overviews of each namespace covered and an easy-to-follow alphabetic reference of types in the standard, including type-level descriptions, sample code with output, and annotations from the design team and standardization committee. With the ECMA and ISO standards as its core, this book includes: Annotations from key members of the Microsoft design team and the Standardization committee. Comments cover everything from design rationale and history to common problems and shortcomings. An overview of each namespace, describing its functionality and the inheritance hierarchy of types it defines. Type descriptions. Each type is covered in its own chapter, with a detailed description of how the type is to be used and a quick reference of the C# declaration syntax for all members defined on the type. Also noted: which members are only available in the Microsoft implementation of the .NET Framework, which are not available in the .NET Compact Framework, and which are only available in V1.1 of the .NET Framework. Code samples. Types are illustrated by fully compilable code samples with output included. Reference tabs and an exhaustive index, which allow readers to quickly and easily navigate the text. Reusable source code for more than one thousand samples. All code has been tested with versions 1.0, 1.1, and the 2.0 technical preview of the .NET Framework, and, where appropriate, with the .NET Compact Framework.

This concise guide for experienced programmers and software architects is a complete no-nonsense overview of key elements and programming languages central to all .NET application development

In this all inclusive guide for experienced programmers, the authors show howto develop stand-alone Windows applications.

This book is the most comprehensive and up to date introduction to ASP.NET ever written. Focussing solely on C#, with no code samples duplicated in other languages, award winning author Matthew MacDonald introduces you to the very latest thinking and best practices for the ASP.NET 4.5 technology. Assuming no prior coding experience, you'll be taught everything you need to know from the ground up. Starting from first principals, you'll learn the skills you need to be an effective ASP.NET developer who is ready to progress to more sophisticated projects and professional work. You'll be taught how to use object orientation and code-behind techniques to lay out your code clearly in a way other developers can easily understand. You'll learn how to query databases from within you web pages, spice up your layouts using ASP.NET AJAX and deploy your finished websites to production servers. You'll also learn how to debug your code when things go wrong and the performance and scalability issues that can affect your web projects as they grow. With you book you can take your first step towards becoming a successful ASP.NET developer with confidence.

Fundamentals of Computer Programming with C#

C# 9.0 in a Nutshell

NET Framework Essentials

Mastering Visual Studio .NET

Core C# and .NET

NET Compact Framework Programming with C#

Essential C# 3.0 is an extremely well-written and well-organized “ no-fluff ” guide to C# 3.0, which will appeal to programmers at all levels of experience with C#. This fully updated edition dives deep into the new features that are revolutionizing programming, with brand new chapters

covering query expressions, lambda expressions, extension methods, collection interface extensions, standard query operators, and LINQ as a whole. Author Mark Michaelis covers the C# language in depth, and each important construct is illustrated with succinct, relevant code examples. (Complete code examples are available online.) Graphical “ mind maps ” at the beginning of each chapter show what material is covered and how each topic relates to the whole. Topics intended for beginners and advanced readers are clearly marked. Following an introduction to C#, readers learn about C# primitive data types, value types, reference types, type conversions, and arrays Operators and control flow, loops, conditional logic, and sequential programming Methods, parameters, exception handling, and structured programming Classes, inheritance, structures, interfaces, and object-oriented programming Well-formed types, operator overloading, namespaces, and garbage collection Generics, collections, custom collections, and iterators Delegates and lambda expressions Standard query operators and query expressions LINQ: language integrated query Reflection, attributes, and declarative programming Threading, synchronization, and multithreaded patterns Interoperability and unsafe code The Common Language Infrastructure that underlies C# Whether you are just starting out as a programmer, are an experienced developer looking to learn C#, or are a seasoned C# programmer interested in learning the new features of C# 3.0, Essential C# 3.0 gives you just what you need to quickly get up and running writing C# applications.

A guide for experienced programmers demonstrates the use of C# in conjunction with ASP.NET and Windows Forms to develop applications within the Microsoft.NET framework.

Written for C# 2.0 and .NET 2.0: contains coverage of generics, Master Pages, the DataGridView, and other new features Covers Web development, Windows development, data management, security, threading, remoting, and much more Presents hundreds of non-trivial code examples that help you solve real-world problems The Complete and Comprehensive Developer's Guide to C# 2.0 and .NET 2.0 Core C# and .NET is the no-nonsense, example-rich guide to achieving exceptional results with C# 2.0 and .NET 2.0. Writing for experienced programmers, Stephen Perry presents today's best practices for leveraging both C# 2.0 language features and Microsoft's .NET 2.0 infrastructure. Like all books in the Core Series, Core C# and .NET focuses on solving real-world problems with serious, non-trivial code. Perry's broad, deep coverage ranges from new C# generics to Web services, from reflection to security. He systematically introduces the development of Windows Forms applications and the effective use of GDI+ graphics classes. He offers detailed guidance on data management with XML and ADO.NET, plus advanced coverage of threading, remoting, and code security. Finally, Perry presents an extensive section on Web development, covering ASP.NET, state management, HTTP requests, and much more. With practical insights into everything from scalability to localization, this is the C# book you've been searching for: your definitive guide to building production-quality C# applications. Core C# and .NET delivers Best practices for building C#/.NET Windows applications, Web applications, and Web services Expert insight into security, scalability, and other crucial issues Hundreds of professional-quality code examples In-depth coverage of the latest C# 2.0 features, including generics EVERY CORE SERIES BOOK: DEMONSTRATES practical techniques used by professional developers FEATURES robust, thoroughly tested sample code and realistic examples FOCUSES on the cutting-edge technologies you need to master today PROVIDES expert advice that will help you build superior software (c) Copyright Pearson Education. All rights reserved. Deep dive into C# and .NET architecture to build efficient, powerful applications About This Book Uniquely structured content to help you understand what goes on under the hood of .NET's managed code platform to master .NET programming Deep dive into C# programming and how

the code executes via the CLR Packed with hands-on practical examples, you'll understand how to write applications to make full use of the new features of .NET 4.6, .NET Core and C# 6/7 Who This Book Is For This book was written exclusively for .NET developers. If you've been creating C# applications for your clients, at work or at home, this book will help you develop the skills you need to create modern, powerful, and efficient applications in C#. No knowledge of C# 6/7 or .NET 4.6 is needed to follow along—all the latest features are included to help you start writing cross-platform applications immediately. You will need to be familiar with Visual Studio, though all the new features in Visual Studio 2015 will also be covered. What You Will Learn Understand C# core concepts in depth, from sorting algorithms to the Big O notation Get up to speed with the latest changes in C# 6/7 Interface SQL Server and NoSQL databases with .NET Learn SOLID principles and the most relevant GoF Patterns with practical examples in C# 6.0 Defend C# applications against attacks Use Roslyn, a self-hosted framework to compile and advanced edition in both C# and Visual basic .NET languages Discern LINQ and associated Lambda expressions, generics, and delegates Design a .NET application from the ground up Understand the internals of a .NET assembly Grasp some useful advanced features in optimization and parallelism In Detail Mastering C# and .NET Framework will take you in to the depths of C# 6.0/7.0 and .NET 4.6, so you can understand how the platform works when it runs your code, and how you can use this knowledge to write efficient applications. Take full advantage of the new revolution in .NET development, including open source status and cross-platform capability, and get to grips with the architectural changes of CoreCLR. Start with how the CLR executes code, and discover the niche and advanced aspects of C# programming – from delegates and generics, through to asynchronous programming. Run through new forms of type declarations and assignments, source code callers, static using syntax, auto-property initializers, dictionary initializers, null conditional operators, and many others. Then unlock the true potential of the .NET platform. Learn how to write OWASP-compliant applications, how to properly implement design patterns in C#, and how to follow the general SOLID principles and its implementations in C# code. We finish by focusing on tips and tricks that you'll need to get the most from C# and .NET. This book also covers .NET Core 1.1 concepts as per the latest RTM release in the last chapter. Style and approach This book uses hands-on practical code examples that will take you into the depths of C# and .NET. Packed with hands-on practical examples, it is great as a tutorial, or as a reference guide.

NET Framework Standard Library Annotated Reference

C# 9 and .NET 5 – Modern Cross-Platform Development

Build intelligent apps, websites, and services with Blazor, ASP.NET Core, and Entity Framework Core using Visual Studio Code

C# 4.0 in a Nutshell

Computing with C# and the .NET Framework

With the .NET Framework 3.5 Unleashed

What is this book about? C# is designed to work with .NET to provide a new framework for programming on the Windows platform. This comprehensive reference prepares you to program in C#, while at the same time providing the necessary background in how the .NET architecture works. In this all-new third edition, you ' ll be introduced to the fundamentals of C# and find updated coverage of application deployment and globalization. You ' ll gain a working knowledge of the language and be able to apply it in the .NET environment, build Windows forms, access databases with ADO.NET, write components for ASP.NET, take advantage of .NET support for working with COM and COM+, and much more.

Professional C#, 3rd Edition, is the complete C# resource for developers, packed with code and examples that have been updated for the latest release — the .NET Framework 1.1 and Visual Studio .NET 2003. What does this book cover? Here is just a few of the things you'll discover in this book:
How to program in the object-oriented C# language
Methods for manipulating XML using C#
Integration with COM, COM+, and Active Directory
How to write Windows applications and Windows services
Distributed applications with .NET Remoting
An understanding of .NET Assemblies
How to generate graphics with C#
Ways to control .NET security, and much more
Who is this book for? This book is for experienced developers who are already familiar with C++, Visual Basic, or J++. No prior knowledge of C# is required.

The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements, loops and arrays and continues with other basic topics like methods, numeral systems, strings and string processing, exceptions, classes and objects. After the basics this fundamental programming book enters into more advanced programming topics like recursion, data structures (lists, trees, hash-tables and graphs), high-quality code, unit testing and refactoring, object-oriented principles (inheritance, abstraction, encapsulation and polymorphism) and their implementation the C# language. It also covers fundamental topics that each good developer should know like algorithm design, complexity of algorithms and problem solving. The book uses C# language and Visual Studio to illustrate the programming concepts and explains some C# / .NET specific technologies like lambda expressions, extension methods and LINQ. The book is written by a team of developers lead by Svetlin Nakov who has 20+ years practical software development experience. It teaches the major programming concepts and way of thinking needed to become a good software engineer and the C# language in the meantime. It is a great start for anyone who wants to become a skillful software engineer. The books does not teach technologies like databases, mobile and web development, but shows the true way to master the basics of programming regardless of the languages, technologies and tools. It is good for beginners and intermediate developers who want to put a solid base for a successful career in the software engineering industry. The book is accompanied by free video lessons, presentation slides and mind maps, as well as hundreds of exercises and live examples. Download the free C# programming book, videos, presentations and other resources from <http://introprogramming.info>. Title: Fundamentals of Computer Programming with C# (The Bulgarian C# Programming Book) ISBN: 9789544007737 ISBN-13: 978-954-400-773-7 (9789544007737) ISBN-10: 954-400-773-3 (9544007733) Author: Svetlin Nakov & Co. Pages: 1132 Language: English Published: Sofia, 2013 Publisher: Faber Publishing, Bulgaria Web site: <http://www.introprogramming.info> License: CC-Attribution-Share-Alike Tags: free, programming, book, computer programming, programming fundamentals, ebook, book programming, C#, CSharp, C# book, tutorial, C# tutorial; programming concepts, programming fundamentals, compiler, Visual Studio, .NET, .NET Framework, data types, variables, expressions, statements, console, conditional statements, control-flow logic, loops, arrays, numeral systems, methods, strings, text processing, StringBuilder, exceptions, exception handling, stack trace, streams, files, text files, linear data structures, list, linked list, stack, queue, tree, balanced tree, graph, depth-first search, DFS, breadth-first search, BFS, dictionaries, hash tables, associative arrays, sets, algorithms, sorting algorithm, searching algorithms, recursion, combinatorial algorithms, algorithm complexity, OOP, object-oriented programming, classes, objects, constructors, fields, properties, static members, abstraction, interfaces, encapsulation, inheritance, virtual methods, polymorphism, cohesion, coupling, enumerations, generics, namespaces, UML, design patterns,

extension methods, anonymous types, lambda expressions, LINQ, code quality, high-quality code, high-quality classes, high-quality methods, code formatting, self-documenting code, code refactoring, problem solving, problem solving methodology, 9789544007737, 9544007733

This is the eBook version of the print title, Framework Design Guidelines, Second Edition . Access to all the samples, applications, and content on the DVD is available through the product catalog page www.informit.com/title/9780321545619 Navigate to the “ Downloads ” tab and click on the “ DVD Contents ” links - see instructions in back pages of your eBook. Framework Design Guidelines, Second Edition, teaches developers the best practices for designing reusable libraries for the Microsoft .NET Framework. Expanded and updated for .NET 3.5, this new edition focuses on the design issues that directly affect the programmability of a class library, specifically its publicly accessible APIs. This book can improve the work of any .NET developer producing code that other developers will use. It includes copious annotations to the guidelines by thirty-five prominent architects and practitioners of the .NET Framework, providing a lively discussion of the reasons for the guidelines as well as examples of when to break those guidelines. Microsoft architects Krzysztof Cwalina and Brad Abrams teach framework design from the top down. From their significant combined experience and deep insight, you will learn

The general philosophy and fundamental principles of framework design

Naming guidelines for the various parts of a framework

Guidelines for the design and extending of types and members of types

Issues affecting – and guidelines for ensuring – extensibility

How (and how not) to design exceptions

Guidelines for – and examples of – common framework design patterns

Guidelines in this book are presented in four major forms: Do, Consider, Avoid, and Do not. These directives help focus attention on practices that should always be used, those that should generally be used, those that should rarely be used, and those that should never be used. Every guideline includes a discussion of its applicability, and most include a code example to help illuminate the dialogue. Framework Design Guidelines, Second Edition, is the only definitive source of best practices for managed code API development, direct from the architects themselves. A companion DVD includes the Designing .NET Class Libraries video series, instructional presentations by the authors on design guidelines for developing classes and components that extend the .NET Framework. A sample API specification and other useful resources and tools are also included.

A updated guide to the C# programming language covers the fundamentals of C# 3.0, including such topics as syntax fundamentals, working with variables, console input and output, common intermediate language data strings, exception handling, and multithreading patterns, with new chapters on LINQ, Query Expressions, Lambda Expressions, Standard Query Operators, Delegates, and Collections Interfaces. Original. (Intermediate)

Applied Microsoft .NET Framework Programming in Microsoft Visual Basic .NET
Essential C# 3.0

Pro .NET Framework with the Base Class Library

Pro C# 7

"Covers .NET 4.6 & the Roslyn compiler"--Cover.

This new 7th edition of Pro C# 6.0 and the .NET 4.6 Platform has been completely revised and rewritten to reflect the latest changes to the C# language specification and new advances in the .NET Framework. You'll find new chapters covering all the important new features that make .NET 4.6 the most comprehensive release yet, including: A Refined ADO.NET Entity Framework Programming Model Numerous IDE and MVVM Enhancements for WPF Desktop Development Numerous updates to the ASP.NET Web APIs This comes on top of award winning coverage of core

C# features, both old and new, that have made the previous editions of this book so popular. Readers will gain a solid foundation of object-oriented development techniques, attributes and reflection, generics and collections as well as numerous advanced topics not found in other texts (such as CIL opcodes and emitting dynamic assemblies). The mission of this book is to provide you with a comprehensive foundation in the C# programming language and the core aspects of the .NET platform plus overviews of technologies built on top of C# and .NET (ADO.NET and Entity Framework, Windows Communication Foundation (WCF), Windows Presentation Foundation (WPF), ASP.NET (WebForms, MVC, WebAPI).). Once you digest the information presented in these chapters, you ' ll be in a perfect position to apply this knowledge to your specific programming assignments, and you ' ll be well equipped to explore the .NET universe on your own terms. What You Will Learn: Be the first to understand the .NET 4.6 platform and C# 6. Discover the ins and outs of the leading .NET technology. Learn from an award-winning author who has been teaching the .NET world since version 1.0. Find complete coverage of XAML, .NET 4.6 and Visual Studio 2015 together with discussion of the new Windows Runtime. What people are saying about C# 4.0 in a Nutshell "C# 4.0 in a Nutshell is one of the few books I keep on my desk as a quick reference. It is a book I recommend."--Scott Guthrie, Corporate Vice President, .NET Developer Platform, Microsoft Corporation "A must-read for a concise but thorough examination of the parallel programming features in the .NET Framework 4."--Stephen Toub, Parallel Computing Platform Program Manager, Microsoft "This wonderful book is a great reference for developers of all levels."-- Chris Burrows, C# Compiler Team, Microsoft When you have questions about how to use C# 4.0 or the .NET CLR, this highly acclaimed bestseller has precisely the answers you need. Uniquely organized around concepts and use cases, this fourth edition includes in-depth coverage of new C# topics such as parallel programming, code contracts, dynamic programming, security, and COM interoperability. You'll also find updated information on LINQ, including examples that work with both LINQ to SQL and Entity Framework. This book has all the essential details to keep you on track with C# 4.0. Get up to speed on C# language basics, including syntax, types, and variables Explore advanced topics such as unsafe code and preprocessor directives Learn C# 4.0 features such as dynamic binding, type parameter variance, and optional and named parameters Work with .NET 4's rich set of features for parallel programming, code contracts, and the code security model Learn .NET topics, including XML, collections, I/O and networking, memory management, reflection, attributes, security, and native interoperability