# Creating Net Windows Forms Custom Controls

- The WinForms team at Microsoft praises Chris as a definitive authority; Microsoft has named Chris one of eight Software Legends - The content and structure are based on years of experience both building apps with WinForms as well as teaching other developers about WinForms - Alan Cooper, the 'father of Visual Basic', has provided the foreword for the book
What do you need when you are coding in C#? If your answer is easily understood recipes for code that does something, then this is the book for you! You probably already have a handle on the basics of .NET programming and are in need of some shortcuts to make your job easier. How about 350 code recipes! The Microsoft Visual C# .NET 2003 Developer's Cookbook provides a practical reference for various programming tasks. Each chapter consists of a brief description of the topic at hand and then gives you the goods - recipes that explain a brief description of the task, the technique and comments about the technique chosen by C# experts, Mark Schmidt and Simon Robinson. Designed in the highly regarded O'Reilly Cookbook format, "ADO.NET Cookbook" is strikingly different from other books on the subject. It isn't bogged down with pages of didactic theory. The "ADO.NET Cookbook" focuses

exclusively on providing developers with easy-to-find coding solutions to real problems."ADO.NET Cookbook" is a comprehensive collection of over 150 solutions and best practices for everyday dilemmas. For each problem addressed in the book, there's a solution--a short, focused piece of code that programmers can insert directly into their applications.And "ADO.NET Cookbook" is more than just a handy compilation of cut-and-paste C# and VB.NET code. "ADO.NET Cookbook" offers clear explanations of how and why the code works, warns of potential pitfalls, and directs you to sources of additional information, so you can learn to adapt the problem-solving techniques to different situations. This is a painless way for developers who prefer to learn by doing to expand their skills and productivity, while solving the pressing problems they face every day.These time-saving recipes include vital topics like connecting to data, retrieving and managing data, transforming and analyzing data, modifying data, binding data to .NET user interfaces, optimizing .NET data access, enumerating and maintaining database objects, and maintaining database integrity.The diverse solutions presented here will prove invaluable over and over again, for ADO.NET programmers at all levels, from the relatively inexperienced to the most sophisticated.

Microsoft's C# ("C sharp") is a modern, object-oriented programming language

built from the ground up to exploit the power of XML-based Web services on Microsoft's new .NET platform. With its Visual C++ development system heritage, C# will enable millions of C and C++ developers to use existing skills to rapidly build sophisticated XML-based .NET applications. Why Will Web Developers Switch to C#? ...Because it's the ideal solution for C and C++ programmers who need to combine rapid development with the power to access all the functionality of the Microsoft.NET platform. They want an environment that is completely in sync with emerging Web standards and one that provides easy integration with existing applications. C#.net Web Developer's Guide will enhance developer productivity and help them eliminate programming errors that can lead to increased development costs. This book teaches Web developers to quickly and easily build solutions for the Microsoft .NET platform. Web developers will learn to use C# components to build Web services and applications that are available across the Internet, from any application running on any platform. * Timely coverage of newly released product - programmers and developers are anxious to learn about the new technology * Comes with Syngress' revolutionary wallet-sized CD containing a printable HTML version of the book and all of the source code examples and demos of popular C# upgrade and programming tools
In this all inclusive guide for experienced programmers, the authors show howto

develop stand-alone Windows applications.
*Adheres closely to original style/approach that made this book a best-seller in its previous incarnation *Functions as a practical guide for a business audience *Case-study contains the fully working source code to a real commercial product The purpose of this book is to give established and new VB developers direction in how to get started developing database applications with VB .NET. Developers will be shown numerous code examples that will illustrate how to program database driven applications within the .NET Framework. Important topics covered include: Visual Studio development environment, ASP.NET applications, Windows Forms application, using VB.NET with ADO.NET, complex queries, security, COM interop., and application deployment.
*Completely up to date with the ASP.NET 2.0 technology and demonstrates the new best-practices and coding styles that it requires *Focuses on the needs of the developer and explains the technology in a way that is easy to apply to their development projects *Provides a comprehensive coverage of the whole of ASP.NET 2.0 (with VB .NET 2.0) to give the reader the best possible understanding of the whole subject area
The purpose of ASP.NET JumpStart is to show readers the practical applications of .NET and ASP.NET by illustrating how to build Web-based applications using

Web Forms and Web Services. Emphasis will be on good programming standards and practices. The reader will be taken from an introduction of the VB .NET language to intermediate topics through a step-by-step approach, which gives the reader the opportunity to try out the practices presented in each chapter.

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 framwork. Visual Basic .NET has changed dramatically from its predecessor, and this book shows developers how to build traditional console applications, ASP.NET applications, XML Web Services, and more The top-notch author team shares their years of experience in VB programming and helps readers take their skills to new heights Addresses issues such as security, data access (ADO.NET), and the latest Visual Studio .NET IDE Explores Common Language Runtime, variables and data types, object syntax, inheritance and interfaces, Windows forms, error handling and debugging, XML, namespaces, and advanced features of the latest version of ASP.NET

Whether you are using Windows Forms to build rich-client business applications or the ASP.NET framework to build powerful web applications or web services, the use of well-designed graphics will greatly enhance their usability, impact, and visual appeal. This book provides a comprehensive guide to the use of GDI+ in .NET applications and aims to provide developers with all the information they need to build effective custom controls.

With the introduction of Visual Basic .NET, VB is now a complete object-oriented language,

letting programmers access the full power of the Windows platform while enabling them to build reliable and robust web solutions. It doesn't matter if you're new to programming or just to VB.NET, Visual Basic .NET Programming gets you up and running with the new version and offers a comprehensive introduction to Windows and web application development. From language fundamentals to ADO.NET, XML, and Web Services, Harold Davis's thoughtful approach emphasizes meaningful tasks that tie in with VB.NET's principal strengths. For example, you'll learn to build a Web Service, implement XML support, and use object-oriented techniques—without getting mired in theory but also without sacrificing the understanding you need to apply your skills in new situations. Much of the book is devoted to Windows application development, covering new ways to program standard elements, as well as emphasizing Visual Basic's new programming features. Want to build a desktop program with an oval interface? Want to create robust class libraries, components, and controls? Implement printing as a program feature? Start and stop a service? Every chapter provides solid examples that will help you learn the language and, more importantly, create effective applications with it. Discusses how .NET technologies work and how they can be used, covering topics including Web services technologies, SOAP, CLR, Visual Basic.NET, the .NET framework class library, ADO.NET and ASP.NET.

MacDonald goes beyond most other .NET books and shows how to design state-of-the-art application interfaces, concentrating on the C# language.

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 develpment environment, start-up templates, and other features and tools to create a variety of

applications, including Web services. Original. (Advanced)

The intent of this book is to teach .NET developers the skills necessary to create their own leading-edge custom controls. The art of creating custom controls has never been truly explored in detail, this book will not only provide that knowledge, but, in addition provide the source for a fully functional outlook bar control.

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.

Have you tried using an "automated" GUI testing tool, only to findthat you spent most of your time configuring, adjusting, anddirecting it? This book presents a sensible and highly effective alternative:it teaches you to build and use your own truly automated tool. Theprocedure you'll learn is suitable for virtually any developmentenvironment, and the tool allows you to store your test data andverification standard separately, so you can build it once and useit for other GUIs. Most, if not all, of your work can be donewithout test scripts, because the tool itself can easily be made toconduct an automatic GUI survey, collect test data, and generatetest cases. You'll spend virtually none of your time playing withthe tool or application under test. Code-intensive examples support all of the book's instruction,which includes these key topics: Building a C# API text viewer Building a test monkey Developing an XML viewer using xPath and other XML-relatedclasses Building complex, serializable classes for GUI testverification Automatically testing executable GUI applications anduser-defined GUI controls Testing managed (.NET) and unmanaged GUI applications Automatically testing different GUI controls, including Label,TextBox, Button, CheckBox, RadioButton, Menu Verifying test results Effective GUI Test

Automation is the perfect complement to Liand Wu's previous book, Effective Software Test Automation:Developing an Automated Software Testing Tool. Together, theyprovide programmers, testers, designers, and managers with acomplete and cohesive way to create a smoother, swifter developmentprocess—and, as a result, software that is as bug-free aspossible.

"Developing .NET Custom Controls and Designers Using Visual Basic .NET" is a bible for experienced developers who have a basic understanding of Visual Basic and the .NET framework, and who are ready to move to the next level of .NET programming, creating custom controls and designers. Its purpose is to provide intermediate to senior-level developers the information they need to successfully implement custom controls and designers for both Windows Forms and ASP.NET.

Windows Forms 2.0 Programming is the successor to the highly praised Windows Forms Programming in C#. This edition has been significantly updated to amalgamate the sheer mass of new and improved support that is encompassed by Windows Forms 2.0, the .NET Framework 2.0, and Visual Studio 2005. This is the one book developers need in order to learn how to build and deploy leading-edge Windows Forms 2.0 applications. Readers will gain a deep understanding from Sells and Weinhardt's practical, well-balanced approach to the subject and clear code samples. • Windows Forms 2.0 fundamentals, including forms, dialogs, data validation, help, controls, components, and rendering • Static and dynamic layout, snap lines, HTML-style flow and table layout, automatic resizing, and automatic cross-DPI scaling • Office 2003-style tool strip control coverage, including dynamic layout and custom rendering • Design-time integration with the Visual Studio 2005 Properties Window and Smart Tags •

Resource management, strongly typed resources, and internationalization considerations • Strongly typed application and user settings • SDI, MDI, Single Instancing, Multiple-Instance SDI, Single-Instance MDI, database-centric, and document-centric applications • Databinding data-source management, drag-and-drop databinding, the BindingSource, the BindingNavigator, and applied databinding • Events, delegates, multithreaded UIs, long-running operations, simplified multithreading with the BackgroundWorker, and asynchronous web service calls • ClickOnce application development publishing, shell integration, and partial trust security • Best practices for developers transitioning from Windows Forms 1.0 and MFC From the acclaimed authors of "Programming ASP.NET" comes this comprehensive tutorial on writing Windows applications for Microsoft's .NET platform.
*The first advanced book offering important .NET 2.0 insights into C# and Windows Forms
*Explains taking .NET controls to highest level for programmers, with advanced customizations
*Follows the successful formula of the previous edition (1590590457), examining all the .NET controls from old staples to the new .NET 2.0 controls
A guide to using the Microsoft .NET forms package covers such topics as form layout, custom drawing, data binding, multithreated user interfaces, and moving from MFC.
"Developing .NET Custom Controls and Designers Using C#" starts with an introduction to basic, but important, prerequisites, including data binding and event handling. It then goes into type conversion and editor implementation topics. The book discusses both Windows Forms and ASP.NET Web Forms, their basic architectures, and how to go about writing custom controls and designers to support these technologies.
Visual Basic has long been the language of choice when designing Windows-based

applications and the Web. Touted as both the most popular and productive computing language, Visual Basic has amassed quite a following of devoted programmers, and is a sought after programming skill. With the introduction of .NET Enterprise, Microsoft launch VB.NET, offering a streamlined, simplified version of Visual Basic language. With increased power, scalability, functionality and reliability, VB.NET is positioned to be the most productive tool in a programmer's toolbox. VB.NET Developer's Guide is written for previous Visual Basic Programmers looking to harness the power of the new features and functionality incorporated in Visual Basic.NET. Timely coverage of newly released product which Visual Basic users will be eager to learn VB.NET Developer's Guide is one of the first comprehensive reference for programmers and developers anxious to learn about the new technology

This is the ultimate guide to C# 4 and the .NET 4 framework. Updated with more coverage of intermediate and advanced features, new examples, and detailed discussions of recent language and framework additions, this book covers everything you will need to know about C# and putting it to work. You will also find in-depth reviews of various topics including traditional Windows programming, working in Visual Studio 2010 with C#, base Class Libraries, and communication with Enterprise Services among others.

* Explains through case studies how design patterns can improve the design of the individual tiers in an application. * Shows how design patterns can be used in conjunction with .NET Remoting across the tiers in an application. * The emphasis throughout is on how design patterns can be used in real applications to write more robust and flexible code.

The 2008 version of Visual Basic is tremendously enhanced and introduces dramatic new concepts, techniques, and features to this popular object-oriented language. Written by an elite

author team, this comprehensive resource provides a clear and concise approach to using VB 2008 in the ever-expanding .NET world. This book focuses on using the latest and most powerful tools from the Microsoft arsenal within your Visual Basic solutions. You?ll examine everything from the .NET Framework to the best practices for deploying .NET applications to database access and integrating with other technologies.

NET Windows Forms Custom ControlsSams Publishing

Explores the fundamental theories and practices of Visual Studio .NET, covering topics including project-management tools, the add-in architecture, programming the user interface, the code model, and designing setup projects.

Windows defined the idea of Common User interface (UI) controls in order to allow end users to learn one application and apply that knowledge of the UI to other Windows applications. The common controls that are available to developers with the .NET APIs are not what users are used to seeing when using common Windows applications. Developers will want to develop their own controls to provide a consistent UI within their applications. The intent of this book is to teach .NET developers the skills necessary to create their own leading edge custom controls. The art of creating custom controls has never been truly explored in detail, often the examples provided are trivial and do not begin to explore the requirements need for a commercial quality custom control. This book will not only provide that knowledge, but, in addition provide the source for a fully functional Outlook Bar control.

* Written by best selling author Peter Wright, and marks a return to his best form as he writes with a mission again. 'Beginning VB6' by Peter Wright sold circa 100k copies, and he followed up with Beginning VB6 Objects which sold circa 30k copies on a more niche topic. * A personal

journey with an expert in VB.NET database programming, this is a book that stands out from the crowd. * A complete tutorial involving the reader in all the key areas of VB.NET database programming that they need to progress their skill set in VB.NET. * All the skills are covered that a novice programmer will need to meet the database programming challenges they may meet in their programming career. * 2 months free subscription to ASP.Today for readers of this title.

This book will follow the proven pattern of its previous .NET 2.0 and .NET 1.1 editions, teaching novice users how to use ASP.NET by gradually building their knowledge of the technology up in a pyramidal fashion chapter by chapter. Comprehensively revised for both ASP.NET 3.5 and the new C# 3.0 language this book presents the easiest path to ASP.NET 3.5 mastery. This is one of the first books introducing novices to this important new technology area, and is written specifically in their coding language of preference. The book is written by a proven and award winning .NET author that has been following the technology release cycle since its inception.

This Wrox Blox presents WPF along with the Extensible Application Markup Language (XAML), showing developers how to customize existing user interface controls such as the Button, Progress Bar, CheckBox, Radio Button, and Label along with creating two new custom controls. The Windows Presentation Foundation (WPF) released with the .NET 3.0 SDK provides a rich foundation for developing and customizing user interfaces. Unlike existing user interface development tools like GDI and GDI+, WPF is entirely vector-based, offering the developer enhanced two-dimensional and even three-dimensional rendering in the presentation layer. The author customizes these existing controls using XAML to: Create

control templates to define their appearance and behaviors. Create two new custom controls, one derived from System.Windows.UserControl and the second from System.Windows.Control. Illustrate the interoperability of WPF content in Windows Forms and Win32 applications. Create the code samples using Microsoft Visual Studio 2005 with extensions for .NET 3.0 and the .NET 3.0 SDK. These code samples contain four projects: A C# WPF control library that contains the control templates and a User Control containing the customized Windows controls and the two new custom controls; a C# WPF application to host the WPF User Control; a C# Windows Forms application to host the WPF User Control; and a C++ Win32 application to host the WPF User Control.

.NET Windows Forms are a new programming paradigm introduced with Microsoft's .NET initiative. Windows Forms are very similar to Web Forms, which allow programmers to build complex Web application interfaces easily, sharing the same underlying framework and programming concepts. Windows Forms, however, are used for the Win32 platform, instead of the Internet, and allow programmers to build traditional Windows desktop-based applications structured around .NET. Sams Teach Yourself .NET Windows Forms in 21 Days covers all the major aspects of Windows Forms necessary to build professional, functional applications. This book follows the tried-and-tested 21 Days tutorial model to guide the reader through Windows Forms. It features code examples and tips for programmers migrating from pre-Windows Forms Microsoft technologies. The reader will be introduced to the many controls available for .NET Windows Forms and how to build them, learn how to create events and event handlers, explore ADO.NET and methods to retrieve data from dynamic data sources, and learn how to take advantage of the Internet and Internet Explorer from their .NET Windows Forms

applications. As readers advance through the tutorials, they progress toward more advanced topics and projects by creating simple graphical applications and enhancing existing ones, learn how to integrate with other .NET applications, use Web services, build Windows services, build Windows Forms controls, create multi-threaded applications, work with COM and COM+ configure and deploy .NET Windows Forms, and how to de-bug .NET Windows Forms. This is a book that helps you to learn Visual Basic using Visual Studio 2008. Precision, an easy-to-understanding style, real life examples in support of the concepts, and practical approach in presentation are some of the features that make the book unique in itself. The text in the book is presented in such a way that is equally helpful to beginners as well as professionals.The book covers:· Introduction to .NET Framework and Visual Studio 2008· Fundamentals of Visual Basic 2008 programming language· Working with Windows Forms and common windows controls· Windows Workflow foundation (WF)· Working with database in Visual Basic 2008· Language Integrated Query (LINQ)· Deployment of applications in Visual Basic 2008· Windows Communication Foundation (WCF) Published under the direction of series editor Tittel, the leading authority on certification and the founder of The Exam Cram Method series, this volume includes a CD-ROM which features PrepLogic* Practice Tests. Intermediate and advanced coverage of Visual Basic 2010 and .NET 4 for

professional developers If you've already covered the basics and want to dive deep into VB and .NET topics that professional programmers use most, this is your book. You'll find a quick review of introductory topics-always helpful-before the author team of experts moves you quickly into such topics as data access with ADO.NET, Language Integrated Query (LINQ), security, ASP.NET web programming with Visual Basic, Windows workflow, threading, and more. You'll explore all the new features of Visual Basic 2010 as well as all the essential functions that you need, including .NET features such as LINQ to SQL, LINQ to XML, WCF, and more. Plus, you'll examine exception handling and debugging, Visual Studio features, and ASP.NET web programming. Expert author team helps you master the tools and techniques you need most for professional programming Reviews why Visual Basic 2010 will be synonymous with writing code in Visual Studio 2010 Focuses on .NET features such as LINQ, LINQ to SQL, LINQ to XML, WPF, workflow, and more Discusses exception handling and debugging, data access with ADO.NET, Visual Studio features for Visual Basic developers, Windows programming with Windows Forms, ASP.NET web programming with VB, communication interfaces, Windows workflow, and threading This Wrox guide presents you with updated coverage on topics you need to know now.

In a new approach, this is a closely focused work that gives you the insight of experienced developers about a single aspect of .NET programming. You will find all the ingredients you can use to design state-of-the-art application interfaces. You will also delve into entirely new topics like custom control design and GDI+, the next-generation painting framework for Windows. The author goes beyond the basics and combines user interface design principles with practical guidelines for creating the next generation of software applications. The author covers three areas: 1) an overview of how to design elegant user interfaces the average user can understand; 2) a comprehensive examination of the user interface controls and classes in .NET. and 3) A tutorial with best practices and design tips for coding user interfaces and integrating help.

This book is the VB 2005 version of the author's best-selling and highly-praised Pro .NET 2.0 Windows Forms and Custom Controls in C#. The author shows Visual Basic 2005 programmers how to design flexible, user-friendly Windows interfaces, using .NET. They will learn to use the full range of .NET controls, as well as extend them with custom controls. From best practices to user interface design tips, to a comprehensive examination of .NET user interface controls, this is a lively and practical work. Although this book is more than a reference manual, it includes detailed discussion of user interface elements that

programmers will use on a regular basis.

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