

Sams Teach Yourself Aspnet Ajax In 24 Hours

Whether you need an approachable on-ramp to .NET or you want to enhance your skills, C# 3.0 Unleashed is a comprehensive, in-depth guide to the solutions you seek. You'll learn to do more with the new tools that are available, including Visual Studio 2008 and the .NET Framework Class Libraries. Throughout this book, you'll get a practical look at what can be the most useful tools for any given task. You'll also learn common traps to avoid and learn insightful tips that will save you time and help you be more productive. C# 3.0 Unleashed contains complete coverage of the C# programming language. The author covers all the essential syntax, but keeps the focus on practical application. The chapters are arranged to take you step-by-step from the core of the C# language to elements of the .NET Framework, and further into advanced concepts on distributed n-tier Internet applications. Additionally, C# 3.0 Unleashed shows you how to debug, monitor, and scale enterprise applications, enabling you to use the C# programming language to ship the right code at the right time. What's included in this book: A complete reference for C# syntax, object oriented programming, and component programming with C# Comprehensive data coverage through ADO.NET and LINQ An introduction to UI technologies, including Windows Forms, WPF, ASP.NET Ajax, and Silverlight Coverage of traditional ASMX and WCF Web Services Coverage of multiple .NET technologies, including networking, instrumentation, interop, and multi-threading In-depth discussion of platform concepts including CLR, Garbage Collection, Type System, Assemblies, and Code Access Security Guidance on design and architecture for a big-picture view and essential help in piecing together all you've learned

Reusable components and patterns for Ajax-driven applications Ajax is one of the latest and greatest ways to improve users' online experience and create new and innovative web functionality. By allowing specific parts of a web page to be displayed without refreshing the entire page, Ajax significantly enhances the experience of web applications. It also lets web developers create intuitive and innovative interaction processes. Ajax for Web Application Developers provides the in-depth working knowledge of Ajax that web developers need to take their web applications to the next level. The book shows how to create an Ajax-driven web application from an object-oriented perspective, and it includes discussion of several useful Ajax design patterns. This detailed guide covers the creation of connections to a MySQL database with PHP 5 via a custom Ajax engine and shows how to gracefully format the response with CSS, JavaScript, and XHTML while keeping the data tightly secure. It also covers the use of four custom Ajax-enabled components in an application and how to create each of them from scratch. The final section of the book combines the individual code examples and techniques from earlier chapters of the book into one larger, Ajax-driven application—an internal web mail application that can be used in any user-based application, such as a community-based web application. Readers will learn not only how to create and use their own reusable Ajax components in this application but also how to connect their components to any future Ajax applications that they might build. Web Development/Ajax/JavaScript

This book and eBook is a comprehensive exploration of the popular JavaScript library Pro ADO.NET Data Services: Working with RESTful Data is aimed at developers interested in taking advantage of the REST-style data services that ADO.NET Data Services (formerly code-named Astoria) provides. The book shows how to incorporate ADO.NET Data Services into a wide range of common environments, including BizTalk, Ajax and Silverlight client applications. The material is intended for professional developers who are comfortable with the .NET 3.5 Framework but are coming to ADO.NET Data Services for the first time and want to understand how to integrate it into their own applications and enterprise solutions. The book is packed full with extensive real-world solutions and exercises, ensuring you walk away with a

deep understanding of how to use ADO.NET Data Services to your best advantage. Expression Web is Microsoft's newest tool for creating and maintaining dynamic Web sites. This FrontPage replacement offers all the simple "what-you-see-is-what-you-get" tools for creating a Web site along with some pumped up new features for working with Cascading Style Sheets and other design options. Microsoft Expression Web For Dummies arrives in time for early adopters to get a feel for how to build an attractive Web site. Author Linda Hefferman teams up with longtime FrontPage For Dummies author Asha Dornfest to show the easy way for first-time Web designers, FrontPage vets, or users of other Web design tools how to get results from Expression Web.

Each book provides the basic information that a motivated self-learner needs to study a particular computer subject. Original.

The most comprehensive book on Microsoft's new ASP.NET 4, ASP.NET 4 Unleashed covers all facets of ASP.NET development. Led by Microsoft ASP.NET program manager Stephen Walther, an expert author team thoroughly covers the entire platform. The authors first introduce the ASP.NET Framework's basic controls and show how to create common site-wide layouts and styles. Next, they cover all aspects of accessing, presenting, organizing, and editing data. You'll find thorough and practical sections on building custom components and controls, providing effective site navigation, securing sites and applications, and much more. This book presents hundreds of realistic code examples, reflecting the authors' unsurpassed experience with ASP.NET both inside and outside Microsoft. Build interactive Web Forms, validate form data, and upload files Provide interactive calendars, wizards, site maps, and other valuable features Design efficient, maintainable sites with Master Pages and Themes Build data-driven applications with database controls, ADO.NET data access components, QueryExtender, LINQ to SQL, and WCF Data Services Generate charts on the fly with the new Chart Control Extend ASP.NET with custom controls and reusable components Create site registration and authentication systems that store membership data in SQL Server or Active Directory Use URL Routing to build dynamism, flexibility, readability, and SEO-friendliness into your URLs Improve performance and scalability with caching and preloading Maintain state with cookies, cookieless session state, and profiles Localize, configure, package, and deploy ASP.NET applications Use the ASP.NET MVC Framework to improve agility, testability, speed to market, and extensibility Retrofit existing ASP.NET applications with Ajax and build pure client-side Ajax web applications Construct a complete ASP.NET 4 website from start to finish Ajax has revolutionized the way users interact with web pages today. Gone are frustrating page refreshes, lost scroll positions and intermittent interaction with a web site. Instead, we have a new generation of fast, rich, and more intuitive web applications. The ASP.NET AJAX framework puts the power of Ajax into the hands of web developers. ASP.NET AJAX, formerly called Atlas, is a new free framework from Microsoft designed to easily add Ajax features to ASP.NET applications. With this technology, ASP.NET developers can easily build more interactive and highly-personalized web applications that work across all most popular browsers. ASP.NET AJAX in Action is a fast-paced, example-rich tutorial designed for ASP.NET web developers and written by ASP.NET AJAX experts Alessandro "Garbin" Gallo, David Barkol, and Rama Krishna Vavilala. This book introduces you to Ajax applications and to the ASP.NET AJAX technology. Beginners will appreciate the clear explanations of key ideas and terminology. Intermediate and advanced ASP.NET developers will find a no-nonsense learning source and well-organized reference. ASP.NET AJAX in Action offers a rich set of examples and meticulous explanations. The extensive code samples are accompanied by accurate and rigorous explanations of the concepts behind development with ASP.NET AJAX. In this book, you will discover how to use Microsoft Ajax Library Partial rendering with UpdatePanels Advanced client and server techniques Ajax Control Toolkit If you are a web developer looking to bring your web pages to life and to enhance the user experience, this book

is for you. ASP.NET AJAX in Action will give you with the knowledge and tools you need to more easily craft the next generation of Ajax applications. With the help of the Microsoft ASP.NET AJAX framework, Ajax development has never been easier and more instinctive for both client-script developers and ASP.NET developers alike. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

In just 24 sessions of one hour or less, students will learn how to build complete, professional-quality web solutions with ASP.NET 5. Using this book's straightforward, step-by-step approach, they'll master the entire process, from site design through data collection, user management through debugging and deployment.

Provides information on the basics of Ajax to create Web applications that function like desktop programs.

This is the ideal reference for both new and existing web developers who want to be able to augment their skills and showcase their content in a truly professional manner.

Sams Teach Yourself HTML, CSS and JavaScript All in One The all-in-one HTML, CSS and JavaScript beginner's guide: covering the three most important languages for web development. Covers everything beginners need to know about the HTML and CSS standards and today's JavaScript and Ajax libraries - all in one book, for the first time Integrated, well-organized coverage expertly shows how to use all these key technologies together Short, simple lessons teach hands-on skills readers can apply immediately By best-selling author Julie Meloni Mastering HTML, CSS, and JavaScript is vital for any beginning web developer - and the importance of these technologies is growing as web development moves away from proprietary alternatives such as Flash. Sams Teach Yourself HTML, CSS, and JavaScript All in One brings together everything beginners need to build powerful web applications with the HTML and CSS standards and the latest JavaScript and Ajax libraries. With this book, beginners can get all the modern web development knowledge you need from one expert source. Bestselling author Julie Meloni (Sams Teach Yourself PHP, MySQL and Apache All in One) teaches simply and clearly, through brief, hands-on lessons focused on knowledge you can apply immediately. Meloni covers all the building blocks of practical web design and development, integrating new techniques and features into every chapter. Each lesson builds on what's come before, showing you exactly how to use HTML, CSS, and JavaScript together to create great web sites.

In just 24 step-by-step lessons of one hour or less, Sams Teach Yourself LINQ in 24 Hours will help you start using Microsoft's new LINQ technology to access data in any real-world environment. This friendly, accessible book covers everything developers need to know about LINQ for C#, without ever becoming overwhelming or intimidating. Packed with easy-to-use code examples, it's the first book designed to teach LINQ to programmers with widely varying levels of experience. Microsoft MVP Joydip Kanjilal begins with the absolute basics, introducing essential concepts, before moving on to explore a wide range of advanced features and usage scenarios. Step-by-step instructions walk you through their most common questions, issues, and tasks... Q and As, Quizzes, and Exercises help them test their knowledge... "Did You Know?" tips offer insider advice and shortcuts... and "Watch Out!" alerts help them avoid problems. By the time they're finished, you won't just understand LINQ: they'll be comfortable using it in production projects.

This book is a step-by-step, practical tutorial with a simple approach to help you build RESTful web applications and services on the .NET framework quickly and efficiently. This book is for ASP.NET web developers who want to explore REST-based services with C# 5. This book contains many real-world code examples with explanations whenever necessary. Some experience with C# and ASP.NET 4 is expected.

A comprehensive guide to the Entity Framework with insight into its latest features and

optimizations for responsive data access in your projects About This Book Create Entity data models from your database and use them in your applications Learn about the Entity Client data provider and write statements in Entity SQL to perform CRUD operations Explore ADO.NET Data Services and how they work with the Entity Framework Who This Book Is For If you are a C# developer who wants to learn a new way of querying data and utilizing it in applications efficiently for data binding or other operations, then this book is for you. Basic knowledge of ADO.NET is assumed. What You Will Learn Explore the features of the ADO.NET Entity Framework Understand the concepts of entities and their relationships Create an Entity Data Model using the ADO.NET Entity Data Model Designer and the EdmGen tool Extend existing Entity Types to create your own Entity Types Write programs against the Entity Data Model to perform CRUD operations Discover ADO.NET Data Services and learn how they can be used with the Entity Framework Familiarize yourself with WCF Data Services (formerly ADO.NET Data Services) Apply Code First, Model First and Database First approaches In Detail The ADO.NET Entity Framework from Microsoft is a new ADO.NET development framework that provides a level of abstraction for data access strategies and solves the impedance mismatch issues that exist between different data models. This book explores Microsoft's Entity Framework and explains how it can be used to build enterprise level applications. It will also teach you how you can work with RESTful Services and Google's Protocol Buffers with Entity Framework and WCF. You will explore how to use Entity Framework with ASP.NET Web API and also how to consume the data exposed by Entity Framework from client applications of varying types, i.e., ASP.NET MVC, WPF and Silverlight. You will familiarize yourself with the new features and improvements introduced in Entity Framework including enhanced POCO support, template-based code generation, tooling consolidation and connection resiliency. By the end of the book, you will be able to successfully extend the new functionalities of Entity framework into your project. Style and approach This book is a step-by-step tutorial providing hands-on code examples with detailed explanations. The book aims to explain the concepts of the Entity Framework and illustrate how you can use these in applications with a tutorial based approach.

In just 24 sessions of one hour or less, Sams Teach Yourself ASP.NET Core in 24 Hours, will help you build professional-quality, cloud-based, web-connected solutions with ASP.NET Core. This book's straightforward, step-by-step approach guides you from the basics to advanced techniques, using practical examples to help you make the most of Microsoft's radically revamped ASP.NET Core framework. ASP.NET Program Manager Jeffrey T. Fritz guides you from jumpstarting development with templates to implementing cutting-edge security and containerization. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success. Step-by-step instructions carefully walk you through the most common ASP.NET Core tasks and techniques Practical, hands-on examples show you how to apply what you learn Notes and Tips point out shortcuts, solutions, and problems to avoid Learn how to... Set up your work environment on Windows or non-Windows operating systems Develop solutions more quickly by starting with project templates Configure ASP.NET Core, services, and applications Access data with Entity Framework Core Build modern architectures, controllers, and views with the new version of MVC Scaffold user interfaces and incorporate reusable UI components Read and write data using web API end-points Manage client-side packages with npm and bower Integrate Angular with ASP.NET Core Authenticate users, and protect your website with ASP.NET Core Authorization Deploy ASP.NET Core solutions into production Work with Docker containers in the ASP.NET Core environment In just 24 sessions of one hour or less, you'll learn how to build complete, professional-quality web solutions with ASP.NET 4 and Microsoft Visual Web Developer 2010. Using this book's straightforward, step-by-step approach, you'll master the entire process, from site design through data collection, user management through debugging and deployment. Scott Mitchell,

editor of top ASP.NET resource site 4GuysFromRolla.com, shows how to use the newest ASP.NET 4 enhancements and make the most of free tools like ASP.NET Ajax and Microsoft SQL Server 2008 Express Edition. Each lesson builds on what you've already learned, giving you a strong, practical foundation for success! Step-by-step instructions carefully walk you through the most common ASP.NET 4 development tasks. Quizzes and Exercises at the end of each chapter help you test your knowledge. By the Way, Did You Know?, and Watch Out! boxes point out shortcuts and solutions. Learn how to... Get started fast with ASP.NET 4 and Visual Web Developer 2010 Use Visual Web Developer 2010 to quickly build professional-quality ASP.NET websites Design, create, and test ASP.NET web pages Collect, process, and validate input from your site's visitors Build a website that supports user accounts Create web pages that access, display, and edit database data using Microsoft SQL Server 2008 Express Edition Define site maps to provide efficient, easy navigation Use master pages to build more consistent and well-designed sites Create more responsive and interactive web pages with ASP.NET Ajax Host, upload, deploy, and update production web sites

The new features in ASP.NET 3.5 make it easier than ever to build standards-based, next-generation websites Foreword by Scott Barnes, Microsoft Corporation Author frequently speaks at industry conferences

The Sync Framework is Microsoft's innovation to address the dilemma of occasionally connected systems. It is a comprehensive synchronization platform that enables collaboration and offline access for applications, services, and devices. In particular, it features technologies and tools that enable device roaming, sharing, and the ability to take networked data offline before synchronizing it back to the networked application at a later time. Pro Sync Framework concludes with a working example that shows how the techniques you've learned can be used to create a versatile application, adaptable to a wide variety of connectivity and synchronization challenges. What you'll learn Explore the subject through text written in a tight, code-centric style that focuses on the issues you need to know. Learn through a hands-on approach that demonstrates the techniques practically rather than talking about them theoretically. See how it works through a step-by-step guide to mastering the framework. Understand the coding best-practices that are developing for the Sync Framework. Explore a fully worked sample application that shows all the concepts in action. Who this book is for This book is aimed at Microsoft .NET developers who want to use the Sync Framework to enable their applications to switch seamlessly between online and offline data access modes. Because the authors concentrate on Sync and do not cover the basics of the .NET Framework, this book is suitable for intermediate developers and upward.

A comprehensive guide to the Entity Framework with insight into its latest features and optimizations for responsive data access in your projects About This Book • Create Entity data models from your database and use them in your applications • Learn about the Entity Client data provider and write statements in Entity SQL to perform CRUD operations • Explore ADO.NET Data Services and how they work with the Entity Framework Who This Book Is For If you are a C# developer who wants to learn a new way of querying data and utilizing it in applications efficiently for data binding or other operations, then this book is for you. Basic knowledge of ADO.NET is assumed. What You Will Learn • Explore the features of the ADO.NET Entity Framework • Understand the concepts of entities and their relationships • Create an Entity Data Model using the ADO.NET Entity Data Model Designer and the EdmGen tool • Extend existing Entity Types to create your own Entity Types • Write programs against the Entity Data Model to perform CRUD operations • Discover ADO.NET Data Services and learn how they can be used with the Entity Framework • Familiarize yourself with WCF Data Services (formerly ADO.NET Data Services) • Apply Code First, Model First and Database First approaches In Detail The ADO.NET Entity Framework from Microsoft is a new ADO.NET development framework that provides a level of abstraction for data access strategies and

solves the impedance mismatch issues that exist between different data models. This book explores Microsoft's Entity Framework and explains how it can be used to build enterprise level applications. It will also teach you how you can work with RESTful Services and Google's Protocol Buffers with Entity Framework and WCF. You will explore how to use Entity Framework with ASP.NET Web API and also how to consume the data exposed by Entity Framework from client applications of varying types, i.e., ASP.NET MVC, WPF and Silverlight. You will familiarize yourself with the new features and improvements introduced in Entity Framework including enhanced POCO support, template-based code generation, tooling consolidation and connection resiliency. By the end of the book, you will be able to successfully extend the new functionalities of Entity framework into your project. Style and approach This book is a step-by-step tutorial providing hands-on code examples with detailed explanations. The book aims to explain the concepts of the Entity Framework and illustrate how you can use these in applications with a tutorial based approach.

In just 24 sessions of one hour or less, you'll learn how to build advanced web sites and applications with ASP.NET Ajax--and upgrade existing pages to deliver more power and business value. Using a straightforward, step-by-step approach, each lesson equips you with sufficient information and guides you to mastery of Ajax in real-world applications. One step at a time, you'll discover how to make the most of the Microsoft Ajax Library and Ajax Server Extensions. You'll develop secure, reliable Web services and applications that solve real problems--including a complete sample e-commerce application. Step-by-step instructions carefully walk you through the most common questions, issues, and tasks. Quizzes help you build and test your knowledge. Notes, tips, and cautions point out shortcuts, solutions, and potential problems to avoid. New terms are clearly defined and explained. Learn how to... Incorporate ASP.NET Ajax into any new or existing web site or application Use ASP.NET architecture, key concepts, and client-side scripting techniques Design and build a complete e-commerce application Use ASP.NET Ajax to create higher-performance web applications Use all the key Ajax Server Extensions, including the Ajax Control Toolkit Work with the ASP.NET Ajax authentication and profile services Extend the Microsoft Ajax Library Efficiently debug and trace ASP.NET Ajax code Leverage the benefits of Ajax by implementing a sample application Joydip Kanjilal, honored by Microsoft as an ASP.NET MVP, writes frequently on ASP.NET and other .NET technologies for web sites such as www.asptoday.com, www.devx.com, www.aspalliance.com, and www.aspnetpro.com. He is currently lead architect for a consulting company based in Hyderabad, India. He has designed and architected solutions for various domains. Sriram Putrevu, lead developer for a consulting company in Hyderabad, specializes in Microsoft .NET technologies. He has extensive experience developing large-scale applications in healthcare, supply chain/logistics, EAI, and e-commerce.

The definitive programming guide to ASP.NET, by popular author and Microsoft MVP Imar Spaanjaars Updated for ASP.NET 4, this introductory book retains its helpful examples and step-by-step format from the previous version and keeps the style of offering code examples written in both C# and Visual Basic. Beloved author and Microsoft ASP.NET MVP walks you through ASP.NET, Microsoft's technology for building dynamically generated Web pages from database content. You'll discover many improvements that ASP.NET 4 offers over the previous version, such as the ASP.NET MVC framework, Ajax improvements, jQuery support, and more. You'll gradually build a Web site example that takes you through the processes of building basic ASP.NET Web pages, adding features with pre-built server controls, designing consistent pages, displaying data, and more. Popular author and Microsoft ASP.NET MVP Imar Spaanjaars updates you on the latest updates to ASP.NET 4, Microsoft's technology for building dynamic Web pages from database content Shows you how the 4 version differs from ASP.NET 3.5 and reviews its new features, including the ASP.NET MVC framework, various Ajax improvements, jQuery support, and more Spaanjaars's distinct writing style puts you at

ease with learning ASP.NET 4.

Delivering rich, Web 2.0-style experiences has never been easier. This book gives you a complete hands-on introduction to Microsoft ASP.NET AJAX 1.0, the new framework that offers many of the same benefits for Ajax development that ASP.NET provides for server-side development. With *Programming ASP.NET AJAX*, you'll learn how to create professional, dynamic web pages with Ajax in no time. Loaded with code and examples that demonstrate key aspects of the framework, this book is ideal not only for ASP.NET developers who want to take their applications a step further with Ajax, but for any web developers interested in ASP.NET AJAX, no matter what technology they use currently. That includes JavaScript programmers who would like to avoid the headaches of writing cross-browser code.

Programming ASP.NET AJAX offers you:

- A high-level overview of the ASP.NET AJAX framework
- Functional code that you can cut and paste for use in your own applications
- The essentials of JavaScript and Ajax to help you understand individual technologies used by the framework
- An organization that reflects the framework's packages, including Extensions, Control Toolkit, the Futures CTP, and the AJAX Library
- Sidebar throughout the book that identify and propose solutions to potential security breaches
- Ways to use the standards-based AJAX Library with other platforms, such as PHP
- A complete chapter on the UpdatePanel control for making individual parts of a web page independently updateable -- one of the framework's most important elements

Released previously as *Programming Atlas* to cover the beta version of the Microsoft framework, this edition is fully up-to-date and expanded for the official 1.0 release of ASP.NET AJAX. Written by Christian Wenz -- Microsoft MVP for ASP/ASP.NET and AJAX Control Toolkit Contributor -- *Programming ASP.NET AJAX* contains many hard-to-find details, along with a few unofficial ways to accomplish things.

In just 24 sessions of one hour or less, you will be up and running with AngularJS in your Microsoft .NET environment. Using a straightforward, step-by-step approach, each lesson builds on your .NET skills and knowledge, helping you quickly learn the essentials of AngularJS, and use it to streamline any web development project. Step-by-step instructions carefully walk you through the most common questions, issues, and tasks. Q&A sections, quizzes, and exercises help you build and test your knowledge. By The Way notes present interesting pieces of information. Try it Yourself sidebars offer advice or teach an easier way to do something. Watch Out! cautions advise you about potential problems and help you steer clear of disaster.

Dennis Sheppard is a Front-End Architect at NextTier Education in Chicago, IL. He has delivered enterprise solutions for the private equity, insurance, healthcare, education, and distribution industries. Christopher Miller is an Architect at West Monroe Partners. He has built solutions for the higher education, private equity, and renewable energy industries. AJ Liptak, is a Senior Consultant at West Monroe Partners specializing in modern web application development. He has delivered transformative solutions for the telecom, healthcare, finance, and distribution industries. Learn how to...

- Build AngularJS web apps from scratch, or integrate with existing .NET code
- Organize, reuse, and test JavaScript web application code far more effectively
- Discover key JavaScript design patterns that support AngularJS (and their similarities to C#)
- Use AngularJS modules, controllers, views, data-binding, and event handling
- Implement AngularJS services efficiently
- Work with directives, custom directives, and dependency injection
- Set up AngularJS routing
- Apply best practices for organizing AngularJS applications
- Master sophisticated AngularJS techniques, including filters, advanced patterns, and communication between controllers
- Deploy AngularJS code to the Microsoft Azure cloud
- Unit-test and debug your single page applications
- Integrate AngularJS with .NET Web Forms and .NET MVC
- Build REST APIs in .NET and consume their services in AngularJS
- Combine AngularJS with .NET SignalR to build real-time web apps
- Extend AngularJS development with bower, gulp, and webstorm

Preview the future of AngularJS: Version 2.0 and beyond

Step-by-step guide written in a lucid language for mastering C# DESCRIPTION This book starts by introducing the concepts of .NET framework. It then discusses OOP and explores how one can work with OOP in C#. There are two chapters on OOP: the first one covers the basics of object-oriented programming (OOP); and the second one delineates advanced concepts related to OOP and how they can be implemented in C#. Next, the book discusses Language Integrated Query (LINQ) and how to work with it in C#, followed by multithreading, asynchronous and parallel programming concepts with relevant code examples to illustrate the concepts covered. Generics, collections, generic collections, delegates, lambda expressions are also covered in this section. In the last section of the book, serialization, file I/O and how to work with them in C# are discussed concisely. A separate chapter on C# 8.0 is added to highlight its new features. .. There is an appendix chapter as well that discusses how one can get started working with Visual Studio 2019. KEY FEATURES Packed with plentiful code examples A comprehensive guide to mastering C# Discusses the OOP principles Targets beginner to advanced readers of C# Provides insight into the latest features of C#, including C# 8.0 Covers Visual Studio 2019 WHAT WILL YOU LEARN By the end of reading this book, the reader will have mastered the concepts of C# programming language, and be able to build high performance, scalable and robust applications using C#. WHO THIS BOOK IS FOR This book is intended for people who are aspiring a career in .NET as well as for professionals who would like to master the concepts of C# programming language. Since this book is for beginner to advanced readers of C#, a basic knowledge of C# will be helpful. Table of Contents 1. Microsoft .NET Internals 2. Getting Started with C# 3. Object-oriented Programming - Part 1 4. Object-oriented Programming - Part 2 5. Properties and Indexers 6. Programming LINQ in C# 7. Generic Collections in C# 8. Delegates and Extension Methods 9. Exception Handling in C# 10. Asynchrony and Parallel programming 11. Multithreading in C# 12. File I/O and Serialization 13. Advanced Concepts in C# 14. New Features of C# 8.0 15 Appendix

In just 24 sessions of one hour or less, you'll learn how to build robust, dynamic, scalable, and manageable business solutions with SharePoint 2010! Using this book's straightforward, step-by-step approach, you'll learn how to implement everything from workflows to content management, search to enterprise-class business intelligence. One step at a time, you'll master new features ranging from Business Connectivity Services to Silverlight rich user interfaces. Each lesson builds on what you've already learned, helping you get the job done fast--and do it right! Step-by-step instructions carefully walk you through the most common SharePoint 2010 development tasks. Q&As at the end of each chapter help you test your knowledge. By the Way, Did You Know?, and Watch Out! boxes offer advice and solutions. Learn how to... Make the most of SharePoint 2010's lists, libraries, and site templates Customize the user interface through web parts, custom actions, and other advanced interface features Develop server-side applications and client-side applications for SharePoint 2010 Manage data using lists, libraries, site columns, content types, custom fields, event receivers, and queries Integrate external data with Business Connectivity Services (BCS) Use "out of the box" workflows and create custom workflows Manage SharePoint with SharePoint 2010 Central Administration Protect applications with claims-based authorization and other security features Integrate advanced search into your applications Build powerful

BI solutions for data analysis, presentation, and decision-making

The ASP.NET MVC 4 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET. ASP.NET MVC 4 contains a number of significant advances over previous versions. New mobile and desktop templates (employing adaptive rendering) are included together with support for jQuery Mobile for the first time. New display modes allow your application to select views based on the browser that's making the request while Code Generation Recipes for Visual Studio help you auto-generate project-specific code for a wide variety of situations including NuGet support. In this fourth edition, the core model-view-controller (MVC) architectural concepts are not simply explained or discussed in isolation, but are demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with the latest C# language features and unit-testing best practices. By gaining this invaluable, practical experience, you'll discover MVC's strengths and weaknesses for yourself—and put your best-learned theory into practice. The book's authors, Steve Sanderson and Adam Freeman, have both watched the growth of ASP.NET MVC since its first release. Steve is a well-known blogger on the MVC Framework and a member of the Microsoft Web Platform and Tools team. Adam started designing and building web applications 15 years ago and has been responsible for some of the world's largest and most ambitious projects. You can be sure you are in safe hands.

This Wrox Blox is a value-packed resource to help experienced .NET developers learn the new .NET release. It is excerpted from the Wrox books: Professional C# 4 and .NET 4, Professional ASP.NET 4, and WPF Programmer's Reference by Christian Nagel, Bill Evjen, Scott Hanselman, and Rod Stephens, and includes more than 100 print book pages drawn from these three key titles. It is an excellent resource to help .NET developers get up to speed fast on .NET 4, C# 4.0, ASP.NET 4, and WPF, providing all the information needed to program with the important new features, including: C# Dynamic Types and Parallel Tasks; ASP.NET Ajax, Chart Controls, MVC, and Object Caching; and key WPF principles as developers move from WinForms to WPF. In addition, it provides examples built with the native Visual Studio 2010 tools that developers are comfortable with.

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ASP.NET 3.5 Unleashed is the most comprehensive book available on the Microsoft ASP.NET 3.5 Framework, covering all aspects of the ASP.NET 3.5 Framework--no matter how advanced. This edition covers all the new features of ASP.NET 3.5. It

explains Microsoft LINQ to SQL in detail. It includes a chapter on the two new data access controls introduced with the ASP.NET 3.5 Framework: ListView and DataPager. With its coverage of ASP.NET AJAX, this book shows you how to take advantage of Microsoft's server-side AJAX framework to retrofit existing ASP.NET applications with AJAX functionality. It also demonstrates how to use Microsoft's client-side AJAX framework to build the web applications of the future: pure client-side AJAX applications. All code samples are written in the C# programming language. (Visual Basic versions of all code samples are included on the CD-ROM that accompanies this book.) Take advantage of Microsoft's new database query language, LINQ to SQL, to easily build database-driven web applications Learn how to use the new ListView and DataPager data access controls to build flexible user interfaces Take advantage of ASP.NET AJAX when building both server-side and client-side web applications Use the AJAX Control Toolkit to create auto-complete text fields, draggable panels, masked edit fields, and complex animations Design ASP.NET websites Secure your ASP.NET applications Create custom components Build highly interactive websites that can scale to handle thousands of simultaneous users Learn to build a complete ASP.NET 3.5 website from start to finish--the last chapter of the book includes a sample ASP.NET 3.5 web application written with LINQ to SQL and ASP.NET AJAX CD-ROM includes all examples and source code presented in this book in both C# and Visual Basic.

Explains how to browse the Web, e-mail, chat, play games, create a Web site and Web graphics, and ensure security against viruses and hackers.

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. In just 24 sessions of one hour or less, you'll learn how to build advanced web sites and applications with ASP.NET Ajax--and upgrade existing pages to deliver more power and business value. Using a straightforward, step-by-step approach, each lesson equips you with sufficient information and guides you to mastery of Ajax in real-world applications. One step at a time, you'll discover how to make the most of the Microsoft Ajax Library and Ajax Server Ex.

Provides information on using Atlas to build Ajax-style applications.

Learn to create great-looking responsive web sites with Bootstrap In just 24 lessons of one hour or less, Sams Teach Yourself Bootstrap in 24 Hours helps you use the free and open source Bootstrap framework to quickly build websites that automatically reflect each user's device and experience, without complex hand crafting. This book's straightforward, step-by-step approach shows you how to install Bootstrap and quickly build basic sites; extend them with styles, components, and JavaScript plug-ins, and even create sophisticated designs with advanced features. In just a few hours, you'll be using Bootstrap to bring responsive design to virtually any site. Every lesson builds on what you've already learned, giving you a rock-solid foundation for real-world success. Step-by-step instructions carefully walk you through the most common Bootstrap development tasks Practical, hands-on examples show you how to apply what you learn Quizzes and exercises help you test your knowledge and stretch your skills Notes and tips point out shortcuts and solution Learn how to... Download Bootstrap and integrate it into your project Quickly build your first Bootstrap site with the basic template Create beautiful and responsive site layouts with Bootstrap's built-in grids Display more interesting text with labels, badges, panels, and wells Style tables and

forms so they're attractive, readable, and responsive Use images, media, and icons, including free Glyphicons Quickly create navigation and buttons, including dropdowns and search fields Add alignment, color, and visibility with Bootstrap's CSS utilities Extend your site with alerts, image carousels, and other JavaScript plugins Rapidly create appealing functional prototypes Customize Bootstrap with CSS, Less, and Sass Lighten Bootstrap downloads by stripping out unnecessary features Build accessible sites Create complex designs that don't look generic Who This Book is For Those who already have an understanding of the basics of HTML and CSS Having an understanding of JavaScript will make this book a bit easier to absorb, but it is not required because the basics of JavaScript are covered

In this book, world-renowned ASP.NET expert and member of the Microsoft ASP.NET team Stephen Walther shows experienced developers how to use Microsoft's new ASP.NET MVC Framework to build web applications that are more powerful, flexible, testable, manageable, scalable, and extensible. Writing for professional programmers, Walther explains the crucial concepts that make the Model-View-Controller (MVC) development paradigm work so well and shows exactly how to apply them with the ASP.NET MVC Framework. From controllers and actions to views and models, Walther demonstrates how to apply each ASP.NET MVC Framework feature in real-world projects. In Part II, you'll walk step-by-step through building a full-fledged ASP.NET MVC blog application that implements capabilities ranging from data access to validation. Through this case study, you'll learn how to build ASP.NET MVC applications using test-driven development processes that enable rapid feedback, greater productivity, and better quality. Throughout, Walther presents extensive code examples, reflecting his unsurpassed experience as an ASP.NET instructor, a leading commercial developer, and now as a member of Microsoft's ASP.NET development team. Understand how to: Build enterprise-scale web applications far more rapidly and effectively Develop web applications that are easier to maintain and extend over time Gain unprecedented control over the appearance of your website or application Expose intuitive URLs that are friendlier to search engines and users alike Create ASP.NET MVC models that contain all your application's business, validation, and data access logic Make the most of HTML helpers, model binders, action filters, routing, and authentication Efficiently deploy your ASP.NET MVC applications Use the lightweight JQuery JavaScript library to easily find and manipulate HTML elements Create ASP.NET MVC applications using unit test and mock object framework

Ajax, or Asynchronous JavaScript and XML, exploded onto the scene in the spring of 2005 and remains the hottest story among web developers. With its rich combination of technologies, Ajax provides a strong foundation for creating interactive web applications with XML or JSON-based web services by using JavaScript in the browser to process the web server response. Ajax Design Patterns shows you best practices that can dramatically improve your web development projects. It investigates how others have successfully dealt with conflicting design principles in the past and then relays that information directly to you. The patterns outlined in the book fall into four categories: Foundational technology: Examines the raw technologies required for Ajax development Programming: Exposes techniques that developers have discovered to ensure their Ajax applications are maintainable Functionality and usability: Describes the types of user interfaces you'll come across in Ajax applications, as well as the new

types of functionality that Ajax makes possible Development: Explains the process being used to monitor, debug, and test Ajax applications Ajax Design Patterns will also get you up to speed with core Ajax technologies, such as XMLHttpRequest, the DOM, and JSON. Technical discussions are followed by code examples so you can see for yourself just what is-and isn't-possible with Ajax. This handy reference will help you to produce high-quality Ajax architectures, streamline web application performance, and improve the userexperience. Michael Mahemoff holds a PhD in Computer Science and Software Engineering from the University of Melbourne, where his thesis was "Design Reuse in Software Engineering and Human-Computer Interaction." He lives in London and consults on software development issues in banking, health care, and logistics. "Michael Mahemoff's Ajax Design Patterns is a truly comprehensive compendium of webapplication design expertise, centered around but not limited to Ajax techniques. Polished nuggets of design wisdom are supported by tutorials and real-world code examples resulting in a book that serves not only as an intermediate to expert handbook but also as an extensive reference for building rich interactive web applications." --Brent Ashley, remote scripting pioneer

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excellent 'objects first' coverage of C++. The example-driven presentation is enriched by the optional UML case study that contextualizes the material in an ongoing software engineering project." –Gavin Osborne, Saskatchewan Institute of Applied Science and Technology "Introducing the UML early on is a great idea." –Raymond Stephenson, Microsoft "Good use of diagrams, especially of the activation call stack and recursive functions." –Amar Raheja, California State Polytechnic University, Pomona "Terrific discussion of pointers—probably the best I have seen." –Anne B. Horton, Lockheed Martin "Great coverage of polymorphism and how the compiler implements polymorphism 'under the hood.'" –Ed James-Beckham, Borland "The Boost/C++0x chapter will get you up and running quickly with the memory management and regular expression libraries, plus whet your appetite for new C++ features being standardized." –Ed Brey, Kohler Co. "Excellent introduction to the Standard Template Library (STL). The best book on C++ programming!" –Richard Albright, Goldey-Beacom College "Just when you think you are focused on learning one topic, suddenly you discover you've learned more than you expected." –Chad Willwerth, University of Washington, Tacoma "The most thorough C++ treatment I've seen. Replete with real-world case studies covering the full software development lifecycle. Code examples are extraordinary!" –Terrell Hull, Logicalis Integration Solutions/

In 24 easy lessons, learn the new object model to retrieve and work with data from multiple sources.

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