

Design Document For Asp Net Web Application

Get the definitive guide on designing applications on the Microsoft application platform—straight from the Microsoft patterns & practices team. Learn how to choose the most appropriate architecture and the best implementation technologies that the Microsoft application platform offers applications developers. Get critical design recommendations and guidelines organized by application type—from Web, mobile, and rich Internet applications to Office Business Applications. You™ll also get links to additional technical resources that can help with your application development.

This book is for anyone who wants to learn about using .NET for web interface design. Beginner or hobbyist .NET developers can certainly get a good foundation of .NET web interface design by going through this book from cover to cover. However, more seasoned .NET professionals, especially if they tend to steer away from the GUI of their projects, can also pick up a thing or two by focusing on certain chapters that appeal to them. This book is meant to take a reader from the beginning of a project to the completion of the interface design. Along the way, concepts are illustrated to show how the different pieces play together. So, anyone who really wants to understand the concepts presented in this book will be able to do so by reading the entire thing. However, this book should also serve as a good reference after you have read it or, in some cases, in place of reading it. All of the early chapters provide useful information and examples for any web developer. Many of the concepts presented after Chapter 4 are more specifically targeted at .NET developers. In the later chapters, the target audience is .NET developers or, at least, people who want to become .NET developers. In those chapters, you should probably have at least a basic understanding of the .NET Framework and some experience with Visual Studio 2005 (or possibly Visual Studio 2003). If you are completely new to .NET, you may find it useful to pick up a beginning ASP.NET 2.0 book before delving too deeply into those chapters. If you want to learn about .NET 2.0 web interface design, you are the intended audience. It should be noted that all of the .NET code samples in this book are in C#. However, this shouldn't limit other developers, such as VB.NET developers, from understanding the concepts or being able to replicate the code in their own projects. The actual managed code examples are pretty limited and, when they are used, they should be fairly easy to port over to VB.NET. This book covers the concepts serious developers need to begin designing cool and consistent web layouts. The early chapters focus on general web design standards that you need to grasp in order to move into the later chapters. Specifically, these concepts are: Basic web design considerations (colors, fonts, images, accessibility, and so on) (Chapter 2) Photoshop basics to get you started making your own graphics and color schemes (Chapter 3) Cascading Style Sheets (CSS) and their use in web design layout (Chapter 4) When you finish these chapters, you will have the basic shell for the project that you will continue to develop throughout the book. You will have the header graphic, color scheme, and CSS layout that you will begin to incorporate .NET-specific concepts to in the later chapters. This includes: How to make .NET controls render accessible CSS code rather than their default: tables (Chapter 5) Using the built-in controls of .NET to create easily maintainable and consistent site navigation (and how to make them render CSS divs instead of tables) (Chapter 6) Creating your web site template with Master Pages (Chapter 7) Creating themes and skins to style your .NET controls (Chapter 8) Applying themes to your projects through various approaches, including base classing (Chapter 9) The final "regular" chapter ends with you building an entirely new mobile device theme using all of the concepts learned in the previous chapters. In Chapter 10, you will start with modifying your graphic to better fit the resolution of your mobile devices. You will also learn how to modify your stylesheets and apply them programmatically to be used only for this theme. You

* Provides a complete understanding of the general concepts of intranet development and the

many features intranets comprise * Includes thorough explanations of the various components of the IBuySpy Portal to aide in understanding and upgrading * Contains tested examples of intranet features that can be used as starting point and applied to real life situations for intranet development

Provides information on the features and functions of ASP.NET 2.0, covering such topics as Web server controls, working with Master Pages, themes and skins, data binding, working with XML, and caching.

To be a successful ASP.NET 4 developer, you need to know how to apply the vast array of new functionality available in the latest release of the .NET 4 Framework and Visual Studio 2010. This book will immerse you in a variety of advanced topics, including architecting different application data tiers, memory caching paradigms, data mining, and search engine optimization. Working through step-by-step exercises using P/LINQ, DLR, MEF, MVC, IronPython, Axum, and Ajax, you will learn a variety of approaches to building each of the key application tiers common to all web solutions. Using a proven technique of illustrating advanced concepts with functional solutions, all topics in the book are modeled on a fully operational content management system (CMS), built from the ground up. This ensures that you'll be introduced to real-world examples that demonstrate the full functionality of the .NET 4 Framework for ASP.NET, and that you'll be able to apply your new skills to any web development situation.

Prepare for Microsoft Exam 70-486—and help demonstrate your real-world mastery of developing ASP.NET MVC-based solutions. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Design the application architecture Design the user experience Develop the user experience Troubleshoot and debug web applications Design and implement security This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

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.

Practical Software Architecture Solutions from the Legendary Robert C. Martin (“Uncle Bob”) By applying universal rules of software architecture, you can dramatically improve developer productivity throughout the life of any software system. Now, building upon the success of his best-selling books Clean Code and The Clean Coder, legendary software craftsman Robert C. Martin (“Uncle Bob”) reveals those rules and helps you apply them. Martin’s Clean Architecture doesn’t merely present options. Drawing on over a half-century of experience in software environments of every imaginable type, Martin tells you what choices to make and why they are critical to your success. As you’ve come to expect from Uncle Bob, this book is packed with direct, no-nonsense solutions for the real challenges you’ll face—the ones that will make or break your projects. Learn what software architects need to achieve—and core disciplines and practices for achieving it Master essential software design principles for addressing function, component separation, and data management See how programming paradigms impose discipline by restricting what developers can do Understand what’s critically important and what’s merely a “detail” Implement optimal, high-level structures for web, database, thick-client, console, and embedded applications Define appropriate boundaries and layers, and organize components and services See why designs and architectures go wrong, and how to prevent (or fix) these failures Clean Architecture is essential reading for every current or aspiring software architect, systems analyst, system designer, and software manager—and for every programmer who must execute someone else’s designs. Register your product for convenient access to downloads, updates, and/or corrections as they become available.

A guide to using Dreamweaver 8 to design, lay-out, and construct interactive and static Web sites.

"Updated for ASP.NET 2.0, C# 2.0, and Visual Studio 2005"--Cover.

* Teaches Web development using real world tutorials * Approach to subject is no nonsense, wastes little time on history and unnecessary information; therefore it is very concise and results driven * Covers vital Web development subjects such as Web standards principles and implementation

The most up-to-date and comprehensive introductory ASP.NET book you’ll find on any shelf, Beginning ASP.NET 4 in VB 2010 guides you through Microsoft’s latest technology for building dynamic web sites. This book will enable you to build dynamic web pages on the fly, and assumes only the most basic knowledge of Visual Basic. The book provides exhaustive coverage of ASP.NET, guiding you from your first steps right up to the most advanced techniques, such as querying databases from within a web page and tuning your site for optimal performance. Within these pages, you’ll find tips for best practices and comprehensive discussions of key database and XML principles you need to know in order to be effective with ASP.NET. The book also emphasizes the invaluable coding techniques of object orientation and code-behind, which will start you off on the track to building real-world web sites right from the beginning—rather than just faking it with simplified coding practices. By the time you’ve finished the book, you will have mastered the core techniques and have

all the knowledge you need to begin work as a professional ASP.NET developer. ASP.NET MVC 4 Recipes is a practical guide for developers creating modern web applications, cutting through the complexities of ASP.NET, jQuery, Knockout.js and HTML 5 to provide straightforward solutions to common web development problems using proven methods based on best practices. The problem-solution approach gets you in, out, and back to work quickly while deepening your understanding of the underlying platform and how to develop with it. Author John Ciliberti guides you through the framework and development tools, presenting typical challenges, along with code solutions and clear, concise explanations, to accelerate application development. Inside you will find recipes dealing with streamlined syntax, full control over HTML, a simple API for creating RESTful web services, writing support for test driven development, and more. Solve problems immediately by pasting in code from the recipes, or put multiple recipe solutions together to overcome challenging development obstacles. Dive head first into ASP.NET MVC web development with ASP.NET MVC 4 Recipes. This book is for anyone who wants to learn how to build rich and interactive Microsoft ASP.NET web sites. With the knowledge you gain from this book, you create a great foundation to build any type of web site, ranging from simple hobby-related web sites to sites you may be creating for commercial purposes. Using this book's step-by-step format you'll learn to: Obtain, install, and customize Visual Web Developer (VWD) 2008 create a new web site and how to add new pages to it. use the numerous tools in VWD to create HTML and ASP.NET pages use the VWD tools and CSS, the language that is used to format web pages What ASP.NET server controls are, what they are used for, and how to use them program web pages Visual Basic or C# create consistent-looking pages through the use of master pages, skins, and themes build the navigation structure of your site create and use User Controls and enhance them to repeat content like menus and banners accept, validate, and process user input and send e-mail from your ASP.NET web application create good looking, flicker free web page interaction with ASP.NET Ajax the basics of SQL, the language used access and alter data in a database use the database tools found in Visual Web Developer use the ASP.NET data controls to create an interface for your users to interact with your application's data use LINQ to SQL to access SQL Server databases without writing a lot of manual code change the visual appearance of your data through the use of control styles interact with the data-bound controls and speed up your application use the security ASP.NET features to create user accounts, distinguish between anonymous and logged on users, and manage the users in your system create personalized web pages with content targeted at individual users find and fix problems with VWD debugging tools deploy and run your final web site Get up to speed with the latest features of C# 8, ASP.NET Core 3 and .NET Core 3.1 LTS to create robust and maintainable web services Key Features Apply design patterns and techniques to achieve a reactive, scalable web service

Document your web services using the OpenAPI standard and test them using Postman Explore mechanisms to implement a secure web service using client-side SSL and token authentication Book Description In recent times, web services have evolved to play a prominent role in web development. Applications are now designed to be compatible with any device and platform, and web services help us keep their logic and UI separate. Given its simplicity and effectiveness in creating web services, the RESTful approach has gained popularity, and this book will help you build RESTful web services using ASP.NET Core. This REST book begins by introducing you to the basics of the REST philosophy, where you'll study the different stages of designing and implementing enterprise-grade RESTful web services. You'll also gain a thorough understanding of ASP.NET Core's middleware approach and learn how to customize it. The book will later guide you through improving API resilience, securing your service, and applying different design patterns and techniques to achieve a scalable web service. In addition to this, you'll learn advanced techniques for caching, monitoring, and logging, along with implementing unit and integration testing strategies. In later chapters, you will deploy your REST web services on Azure and document APIs using Swagger and external tools such as Postman. By the end of this book, you will have learned how to design RESTful web services confidently using ASP.NET Core with a focus on code testability and maintainability. What you will learn Gain a comprehensive working knowledge of ASP.NET Core Integrate third-party tools and frameworks to build maintainable and efficient services Implement patterns using dependency injection to reduce boilerplate code and improve flexibility Use ASP.NET Core's out-of-the-box tools to test your applications Use Docker to run your ASP.NET Core web service in an isolated and self-contained environment Secure your information using HTTPS and token-based authentication Integrate multiple web services using resiliency patterns and messaging techniques Who this book is for This book is for anyone who wants to learn how to build RESTful web services with the ASP.NET Core framework to improve the scalability and performance of their applications. Basic knowledge of C# and .NET Core will help you make the best use of the code samples included in the book.

Design patterns are time-tested solutions to recurring problems, letting the designer build programs on solutions that have already proved effective Provides developers with more than a dozen ASP.NET examples showing standard design patterns and how using them helps build a richer understanding of ASP.NET architecture, as well as better ASP.NET applications Builds a solid understanding of ASP.NET architecture that can be used over and over again in many projects Covers ASP.NET code to implement many standard patterns including Model-View-Controller (MVC), ETL, Master-Master Snapshot, Master-Slave-Snapshot, Façade, Singleton, Factory, Single Access Point, Roles, Limited View, observer, page controller, common communication patterns, and more More than one million developers now use ASP.NET, the Microsoft technology for

creating dynamic, data-driven Web sites Published day and date with the new Visual Studio 2005 release, this revision of our bestselling book covers new language features as well as the much-anticipated Visual Web Developer tool Requiring no previous Visual Basic or C# experience, the author walks complete beginners through ASP.NET 2 basics, from working with objects, building user interfaces, and killing bugs to accessing databases and handling user input The CD-ROM includes all code and bonus content

The most up-to-date and comprehensive introductory ASP.NET book you'll find on any shelf, *Beginning ASP.NET 4 in C# 2010* guides you through Microsoft's latest technology for building dynamic web sites. Learn how to build sophisticated web pages quickly and easily using the most powerful tools available. Starting with the basics, this book provides exhaustive coverage of ASP.NET, guiding you from your first steps right through to advanced techniques - such as making database queries from within a web page, tuning your website for optimal performance and deploying your website to production servers. Within these pages, you'll find tips for best practices and comprehensive discussions of key database and XML principles you need to know in order to be effective with ASP.NET. The book also fully explains the crucial coding techniques of object-orientation and code-behind on which your future as a successful ASP.NET developer relies.

"This concise guide helps busy IT professionals get up and running quickly with this popular data interchange format, and provides a deep understanding of how JSON works ... begins with an overview of JSON syntax, data types, formatting, and security concerns before exploring the many ways you can apply JSON today. From Web APIs and server-side language libraries to NoSQL databases and client-side frameworks, JSON has emerged as a viable alternative to XML for exchanging data between different platforms. If you have some programming experience and understand HTML and JavaScript, this is your book"--Publisher's description.

There has been a huge surge in interest in 'Web 2.0' technologies over the last couple of years. Microsoft's contribution to this area has been the ASP.NET AJAX and Silverlight technologies, coupled to a supporting framework of ancillary tools. This book aims to be a no nonsense introduction to these technologies for the rapidly growing number of people who are realizing that they need Microsoft-based 'Web 2.0' skills on their CV. It gives people a grounding in the core concepts of the technologies and shows how they can be used together to produce the results that people need. The author has unparalleled experience of introducing people to these technologies. Taking a unique IDE-centric approach, well-respected authors examine the IDE capabilities readers will need to perform specific tasks, demonstrated in the context of building XML Web services The only book on the topic that introduces each characteristic of the IDE followed by an example of the context in which that feature is used Covers creating custom templates and wizards, reusing code and lightweight code generators, dynamically generating forms through reflections, managing data in the IDE, using the SQL designer to write stored procedures, debugging ASP.NET Web forms, and much more

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. With Programming ASP.NET 3.5, you'll quickly learn to create state-of-the-art applications using Microsoft's popular web development technology and Visual Studio 2008. This updated bestseller provides comprehensive and easy-to-understand information to help you use several .NET 3.5 technologies for faster development and better web application performance—including ASP.NET AJAX for interactive user interfaces, LINQ for data access, and Windows Communication Foundation (WCF) for web services. Programming ASP.NET 3.5 includes examples and sample code that let you explore development with ASP.NET in more depth. With this book, you will: Learn about AJAX and ASP.NET server controls included with Visual Studio 2008 Discover how to use the DataSource and data-bound controls in ADO.NET Use the new LINQ API and learn how to make use of it within ASP.NET pages Create a uniform look and feel throughout your application with Master Pages Use navigation controls to build site maps, menus, and breadcrumbs quickly and easily Build and use various web services with WCF Detect errors during development and handle them in your production code Learn how to configure and deploy your website Written by Microsoft technology experts Jesse Liberty, Dan Hurwitz, and Dan Maharry, Programming ASP.NET 3.5 is the best book for learning how to build dynamic, interactive web applications using Microsoft's latest technologies.

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)

Introduces Microsoft's widely-used, free Web development tool to new users and to those preparing for certification Includes thirty one-hour lessons that recreate a typical week-long introductory seminar Gets readers quickly up-to-speed on using ASP.NET and Web Matrix to develop Web pages and Web services The author has taught ASP.NET and other Microsoft tools for Xerox Connect and other major corporations Companion Web site features an online presentation by the author that follows along with each chapter and includes an audio-only option for readers with dial-up Internet connection

What is this book about? ASP.NET 2 Beta Preview is timed to coincide with the first widespread beta release of ASP.NET "Whidbey" — the new version of Microsoft's popular technology for creating dynamic Web sites that pull unique information for each visitor rather than showing everyone the same static HTML pages. The book gets developers up to speed with the new features and capabilities that ASP.NET 2.0 provides. Developers will learn how to

build ASP.NET 2.0 applications for themselves from the examples that the book provides. This book is for ASP.NET developers making the transition to this new version of the technology. The changes are many, and in some cases, they're quite dramatic. The book spends a good deal of time alerting you to all that has changed and explaining what you need to know to make the transition to ASP.NET 2.0. Finally, the book focuses on both the Visual Basic .NET and C# developer. Examples throughout the book do not favor one developer over another. Instead, every example is provided in both languages.

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.

This book gives developers the practical solutions they need for using ASP .NET to develop real-life applications.- The examples and format have proven to be highly successful in the author's training classes for professional developers. - Goes beyond teaching the basic concepts to showing how to apply them to solving everyday programming problems. - Fully covers version 1.1 of ASP .NET.

InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

Professional ASP.NET Design Patterns is all about showing you how to use the power of design patterns and core design principles in real ASP.NET applications. The goal of this book is to educate developers on the fundamentals of object oriented programming, design patterns, principles, and methodologies that can help you become a better programmer. Design patterns and principles enable loosely coupled and highly cohesive code, which will improve your code's readability, flexibility, and maintenance. Each chapter addresses a layer in an enterprise ASP.NET application and shows how proven patterns, principles, and best practices can be leveraged to solve problems and improve the design of your code. In addition, a professional-level, end-to-end case study is used to show how to use best practice design patterns and principles in a real website. Professional ASP.NET Design Patterns is for ASP.NET developers who are comfortable with the .NET framework but are looking to improve how they code and understand why design patterns, design principles, and best practices will make their code more maintainable and adaptable. Readers who have had experience with design patterns before may wish to skip Part 1 of the book, which acts as an introduction to the Gang of Four design patterns and common design principles, including the S.O.L.I.D. principles and Martin Fowler's enterprise patterns. All code samples are written in C# but the concepts can be applied very easily to VB.NET. This book covers well-known patterns and best practices for developing enterprise-level ASP.NET applications. The patterns used can be applied to any version of ASP.NET from 1.0 to 4.0. The patterns themselves are language agnostic and can be applied to any object oriented programming language. Professional ASP.NET Design Patterns can be used both as a step-by-step guide and as a continuous source of reference to dip into at your leisure. The book is broken into three distinct sections. Part 1 is an introduction to patterns and design principles. Part 2 examines how patterns and

principles can be used in the various layers of an ASP.NET application. Part 3 represents an end-to-end case study showcasing many of the patterns covered in the book. You may find it useful to work through the chapters before reading the case study, or you may find it easier to see the patterns in action by reading the case study section first and referring back to Part 2 for a more detailed view on the patterns and principles used. Within those parts the coverage includes: The origins of the Gang of Four design patterns, their relevance in today's world, and their decoupling from specific programming languages. An overview of some common design principles and the S.O.L.I.D. design principles follows, and the chapter ends with a description of Fowler's enterprise patterns. Layering Your Application and Separating Your Concerns A description of the Transaction Script pattern followed by the Active Record, with an exercise to demonstrate the pattern using the Castle Windsor project. The Domain Model pattern demonstrated in an exercise with NHibernate and a review of the domain-driven design (DDD) methodology Patterns and principles that can be used construct your objects and how to make sure that you are building your application for scalability and maintainability: Factory, Decorator, Template, State, Strategy, Composite, Specification and Layer Supertype. Design principles that can improve your code's maintainability and flexibility; these include Dependency Injection, Interface Segregation, and Liskov Substitution Principle Service Oriented Architecture, the Facade design pattern, messaging patterns such as Document Message, Request-Response, Reservation, and the Idempotent pattern The Data Access Layer: Two data access strategies are demonstrated to help organize your persistence layer: Repository and Data Access Objects. Enterprise patterns and principles that will help you fulfill your data access requirement needs elegantly, including Lazy Loading, Identity Map, Unit of Work, and the Query Object. An introduction to Object Relational Mappers and the problems they solve. An enterprise Domain Driven exercise with POCO business entities utilizing both NHibernate and the MS Entity Framework. The Presentation Layer: how you can tie your loosely coupled code together Structure Map and an Inversion of Control container. Presentation patterns, including letting the view be in charge with the Model-View-Presenter pattern and ASP.NET web forms, the Front Controller presentation pattern utilizing the Command and Chain of Responsibility patterns, as well as the Model-View-Controller Pattern implemented with the ASP.NET MVC framework and Windsor's Castle Monorail framework. The final presentation pattern covered is PageController as used in ASP.NET web forms. A pattern that can be used with organizational patterns, namely the ViewModel pattern and how to automate domain entities to ViewModel mapping with AutoMapper The User Experience Layer: AJAX, JavaScript libraries, including jQuery. AJAX patterns: Ajax Periodic Refresh and Timeout patterns, maintaining history with the Unique URL pattern, client side data binding with JTemplate, and the Ajax Predictive Fetch pattern An end-to-end e-commerce store case study with ASP.NET MVC, NHibernate, jQuery, Json, AutoMapper, ASP.NET membership provider and a second 3rd party authentication method, and PayPal as a payment merchant This self-teaching guide explains how to write server-side components for dynamic, interactive Web pages and powerful Web-based applications that are easy to develop and modify. It comes complete with key points, background information, quizzes at the end of each chapter, and a final exam.

Newly updated for Visual Studio .NET 2003, the second edition of this book covers application and web service development, custom controls, data access, security, deployment, and error handling. Also contains new material on web application development for mobile devices, plus an overview of the class libraries.

* Comprehensive book— includes discussion of the key database, and XML principles you need to know in order to be effective with ASP.NET * Teaches correct techniques such as the use of "object orientation" and "code behind" from the beginning rather than fake it with simplified techniques that won't work well in real life; Emphasizes "best

practices" at all times * Most up to date and comprehensive Beginning ASP NET book out there

Summary ASP.NET MVC 4 in Action is a fast-paced tutorial designed to introduce ASP.NET MVC to .NET developers and show how to apply it effectively. All examples in this revised edition are based on ASP.NET MVC 4, so you'll get full coverage of features such as the Razor view engine, Web Matrix helpers, and improved extensibility. You'll see how your ASP.NET applications can benefit from changes in the .NET Framework. About the Technology ASP.NET MVC provides the architecture needed to separate an application's logic and its UI. Because each component's role is well defined, MVC applications are easy to test, maintain, and extend. The latest version, ASP.NET MVC 4, takes advantage of .NET 4 and includes powerful features like the Razor view engine, Web Matrix helpers, and enhanced extensibility. About the Book ASP.NET MVC 4 in Action is a hands-on guide that shows you how to apply ASP.NET MVC effectively. After a high-speed ramp up, this thoroughly revised new edition explores each key topic with a self-contained example so you can jump right to the parts you need. Based on thousands of hours of real-world experience, the authors show you valuable high-end techniques you won't find anywhere else. Written for developers, the book arms you with the next-level skills and practical guidance to create compelling web applications. You need some knowledge of ASP.NET and C#, but no prior ASP.NET MVC experience is assumed. 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. What's Inside Complete coverage of ASP.NET MVC 4 The new Web API Full-system testing About the Authors Jeffrey Palermo, Jimmy Bogard, Eric Hexter, Matthew Hinze, and Jeremy Skinner are all ASP.NET MVPs, ASP insiders, and early adopters of ASP.NET MVC. ===== Table of Contents PART 1 HIGH-SPEED FUNDAMENTALS Introduction to ASP.NET MVC Hello MVC world View fundamentals Action-packed controllers PART 2 WORKING WITH ASP.NET MVC View models Validation Ajax in ASP.NET MVC Security Controlling URLs with routing Model binders and value providers Mapping with AutoMapper Lightweight controllers Organization with areas Third-party components Data access with NHibernate PART 3 MASTERING ASP.NET MVC Extending the controller Advanced view techniques Dependency injection and extensibility Portable areas Full system testing Hosting ASP.NET MVC applications Deployment techniques Upgrading to ASP.NET MVC 4 ASP.NET Web API

* No other book covers how to integrate Flash and ASP.NET, except the old friends of ED Flash.net book. Yet there is much demand for information on how to integrate Flash with dynamic server-side functionality. * Covers the latest versions of Flash and ASP.NET (2.0). * Written so that Flash and ASP.NET users can learn equally well from the book. * Includes several fully working example applications.

Learn how web applications can be built efficiently using ASP.NET Core 2.0 and related frameworks About This Book Get to grips with the new features and APIs introduced in ASP.NET Core 2.0 Leverage the MVC framework and Entity Framework Core 2 to build efficient applications Learn to deploy your web applications in new environments such as the cloud and Docker Who This Book Is For This book is for developers who would like to build modern web applications with ASP.NET Core 2.0. No prior knowledge of ASP.NET or .NET Core is required. However, basic programming knowledge is

assumed. Additionally, previous Visual Studio experience will be helpful but is not required, since detailed instructions will guide through the samples of the book. This book can also help people, who work in infrastructure engineering and operations, to monitor and diagnose problems during the runtime of ASP.NET Core 2.0 web applications.

What You Will Learn

- Set up your development environment using Visual Studio 2017 and Visual Studio Code
- Create a fully automated continuous delivery pipeline using Visual Studio Team Services
- Get to know the basic and advanced concepts of ASP.NET Core 2.0 with detailed examples
- Build an MVC web application and use Entity Framework Core 2 to access data
- Add Web APIs to your web applications using RPC, REST, and HATEOAS
- Authenticate and authorize users with built-in ASP.NET Core 2.0 features
- Use Azure, Amazon Web Services, and Docker to deploy and monitor your applications

In Detail

The ability to develop web applications that are highly efficient but also easy to maintain has become imperative to many businesses. ASP.NET Core 2.0 is an open source framework from Microsoft, which makes it easy to build cross-platform web applications that are modern and dynamic. This book will take you through all of the essential concepts in ASP.NET Core 2.0, so you can learn how to build powerful web applications. The book starts with a brief introduction to the ASP.NET Core framework and the improvements made in the latest release, ASP.NET Core 2.0. You will then build, test, and debug your first web application very quickly. Once you understand the basic structure of ASP.NET Core 2.0 web applications, you'll dive deeper into more complex concepts and scenarios. Moving on, we'll explain how to take advantage of widely used frameworks such as Model View Controller and Entity Framework Core 2 and you'll learn how to secure your applications. Finally, we'll show you how to deploy and monitor your applications using Azure, AWS, and Docker. After reading the book, you'll be able to develop efficient and robust web applications in ASP.NET Core 2.0 that have high levels of customer satisfaction and adoption.

Style and approach

Start an exciting journey to building high performance web applications using ASP.NET Core 2.0 and MVC

Build your ASP.NET 4.5.1 skills with real-world instruction

In this comprehensive guide to getting started with ASP.NET 4.5.1, best-selling author Imar Spaanjaars provides a firm foundation for coders new to ASP.NET and key insights for those not yet familiar with the important updates in the 4.5.1 release. Readers learn how to build full-featured ASP.NET websites using Visual Studio Express 2013 for Web, Microsoft's free development tool for ASP.NET web applications. **Beginning ASP.NET 4.5.1** guides you through the process of creating a fully functional, database-driven website, from creation of the most basic site structure all the way down to the successful deployment of the website to a production environment.

Beginning ASP.NET 4.5.1: in C# and VB: Explains how to get started with ASP.NET 4.5.1, including an introduction to Microsoft's Visual Studio Express 2013 for Web

Features

- helpful examples for designing websites with CSS and HTML and how to overcome common formatting problems
- Shares techniques for managing server controls in ASP.NET, including standard controls, HTML controls, and data controls
- Provides real-world tips for creating consistent page layouts throughout your websites
- Covers practical functionality issues like validating user input, sending e-mail from your website, and processing data at the server
- Details what the ASP.NET state engine is and why it is important
- Shows how to access and modify data in a SQL Server database
- Includes coverage of jQuery,

LINQ, and the Entity Framework Explores measures to take for optimal security
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.

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