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Professional ASP.NET Design Patterns

Foreword by Scott Hanselman, *Program Manager, Microsoft*

Scott Millett

Professional Asp Net Design Patterns

K. V. Hariharan



Professional Asp Net Design Patterns:

Professional ASP.NET Design Patterns Scott Millett, 2010-09-09 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

Professional ASP.NET Design Patterns
Scott Millett, 2010-09-16 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 Fa ade Singleton Factory Single Access Point Roles Limited View observer page controller common communication patterns and more

An Atypical ASP.NET Core 5 Design Patterns Guide
Carl-Hugo Marcotte, 2020-12-31 A .NET developer's guide to crafting robust maintainable and flexible web apps by leveraging C# 9 and .NET 5 features and component scale and application scale design patterns Key Features Apply software design patterns effectively starting small and progressing to cloud scale Discover modern application architectures such as vertical slice clean architecture and event driven microservices Explore ASP.NET design patterns from options to full stack web development using Blazor Book Description Design patterns are a set of solutions to many of the common problems occurring in software development Knowledge of these design patterns helps developers and professionals to craft software solutions of

any scale ASP NET Core 5 Design Patterns starts by exploring basic design patterns architectural principles dependency injection and other ASP NET Core mechanisms You ll explore the component scale as you discover patterns oriented toward small chunks of the software and then move to application scale patterns and techniques to understand higher level patterns and how to structure the application as a whole The book covers a range of significant GoF Gangs of Four design patterns such as strategy singleton decorator facade and composite The chapters are organized based on scale and topics allowing you to start small and build on a strong base the same way that you would develop a program With the help of use cases the book will show you how to combine design patterns to display alternate usage and help you feel comfortable working with a variety of design patterns Finally you ll advance to the client side to connect the dots and make ASP NET Core a viable full stack alternative By the end of the book you ll be able to mix and match design patterns and have learned how to think about architecture and how it works What you will learn Apply the SOLID principles for building flexible and maintainable software Get to grips with NET 5 dependency injection Work with GoF design patterns such as strategy decorator and composite Explore the MVC patterns for designing web APIs and web applications using Razor Discover layering techniques and tenets of clean architecture Become familiar with CQRS and vertical slice architecture as an alternative to layering Understand microservices what they are and what they are not Build ASP NET UI from server side to client side Blazor Who this book is for This design patterns book is for intermediate level software and web developers with some knowledge of NET who want to write flexible maintainable and robust code for building scalable web applications Knowledge of C programming and an understanding of web concepts like HTTP is necessary *Beginning SOLID Principles and Design Patterns for ASP.NET Developers* Bipin Joshi, 2016-04-08 This book teaches you all the essential knowledge required to learn and apply time proven SOLID principles of object oriented design and important design patterns in ASP NET Core 1 0 formerly ASP NET 5 applications You will learn to write server side as well as client side code that makes use of proven practices and patterns SOLID is an acronym popularized by Robert Martin used to describe five basic principles of good object oriented design Single Responsibility Open Closed Liskov Substitution Interface Segregation and Dependency Inversion This book covers all five principles and illustrates how they can be used in ASP NET Core 1 0 applications Design Patterns are time proven solutions to commonly occurring software design problems The most well known catalog of design patterns comes from Erich Gamma Richard Helm Ralph Johnson and John Vlissides the so called as GoF patterns Gang of Four patterns This book contains detailed descriptions of how to apply Creational Structural and Behavioral GoF design patterns along with some Patterns of Enterprise Application Architecture Popular JavaScript patterns are covered along with working examples of all these patterns in ASP NET Core 1 0 and C are included What You Will Learn How to apply SOLID principles to ASP NET applications How to use Gang of Four GoF design patterns in ASP NET applications Techniques for applying Patterns of Enterprise Application Architecture cataloged by Martin Fowler in ASP NET applications How to

organize code and apply design patterns in JavaScript Who This Book Is For This book is for ASP.NET developers familiar with ASP.NET Core 1.0, C# and Visual Studio

Professional ASP.NET MVC 1.0 Rob Conery, Scott Hanselman, Phil Haack, Scott Guthrie, 2009-07-01 This book begins with you working along as Scott Guthrie builds a complete ASP.NET MVC reference application He begins NerdDinner by using the File New Project menu command within Visual Studio to create a new ASP.NET MVC Application You'll then incrementally add functionality and features Along the way you'll cover how to create a database build a model layer with business rule validations implement listing details data browsing provide CRUD Create Update Delete data form entry support implement efficient data paging reuse UI using master pages and partials secure the application using authentication and authorization use AJAX to deliver dynamic updates and interactive map support and implement automated unit testing From there the bulk of the rest of the book begins with the basic concepts around the model view controller pattern including the little history and the state of the MVC on the web today We'll then go into the ways that MVC is different from ASP.NET Web Forms We'll explore the structure of a standard MVC application and see what you get out of the box Next we dig deep into routing and see the role URLs play in your application We'll deep dive into controllers and views and see what role the Ajax plays in your applications The last third of the book focuses entirely on advanced techniques and extending the framework In some places we assume that you're somewhat familiar with ASP.NET WebForms at least peripherally There are a lot of ASP.NET WebForms developers out there who are interested in ASP.NET MVC so there are a number of places in this book where we contrast the two technologies Even if you're not already an ASP.NET developer you might still find these sections interesting for context as well as for your own edification as ASP.NET MVC may not be the web technology that you're looking for

.NET Design Patterns Praseed Pai, Shine Xavier, 2017-01-31 Explore the world of .NET design patterns and bring the benefits that the right patterns can offer to your toolkit today About This Book Dive into the powerful fundamentals of .NET framework for software development The code is explained piece by piece and the application of the pattern is also showcased This fast paced guide shows you how to implement the patterns into your existing applications Who This Book Is For This book is for those with familiarity with .NET development who would like to take their skills to the next level and be in the driver's seat when it comes to modern development techniques Basic object oriented C# programming experience and an elementary familiarity with the .NET framework library is required What You Will Learn Put patterns and pattern catalogs into the right perspective Apply patterns for software development under C# .NET Use GoF and other patterns in real life development scenarios Be able to enrich your design vocabulary and well articulate your design thoughts Leverage object functional programming by mixing OOP and FP Understand the reactive programming model using Rx and RxJS Writing compositional code using C# LINQ constructs Be able to implement concurrent parallel programming techniques using idioms under .NET Avoiding pitfalls when creating compositional readable and maintainable code using imperative functional and reactive code In Detail Knowing about design patterns enables developers

to improve their code base promoting code reuse and making their design more robust This book focuses on the practical aspects of programming in NET You will learn about some of the relevant design patterns and their application that are most widely used We start with classic object oriented programming OOP techniques evaluate parallel programming and concurrency models enhance implementations by mixing OOP and functional programming and finally to the reactive programming model where functional programming and OOP are used in synergy to write better code Throughout this book we ll show you how to deal with architecture design techniques GoF patterns relevant patterns from other catalogs functional programming and reactive programming techniques After reading this book you will be able to convincingly leverage these design patterns factory pattern builder pattern prototype pattern adapter pattern facade pattern decorator pattern observer pattern and so on for your programs You will also be able to write fluid functional code in NET that would leverage concurrency and parallelism Style and approach This tutorial based book takes a step by step approach It covers the major patterns and explains them in a detailed manner along with code examples

Professional ASP.NET 2.0 Server Control and Component Development Dr. Shahram Khosravi, 2006-08-07 The ASP NET 2 0 Framework introduced web developers to dozens of new server controls and components and a greatly expanded and easier structure for writing their own server controls and components Professional ASP NET 2 0 Server Control and Component Development covers the breadth of server control functionality as well as the rest of the membership role management SchemaImporterExtension and so on the functionality referred to as components Written for the experienced ASP NET developer Professional ASP NET 2 0 Server Control and Component Development will show you how to write your first sever control or custom component The step by step coverage drills down to the details of the extensible part of the ASP NET 2 0 Framework that you need to extend to write the specified type of custom control or component Rather than present the extensible part as a black box it presents a detailed step by step approach to implement functional replica of the extensible part discusses the replica s code in detail and provides an in depth coverage of the techniques tools and technologies used in the code From there you get a detailed practical recipe for developing the specified type of custom control or component and book then uses the recipe to implement one or more real world custom controls or components of the specified type that you can use in your own Web applications Some of the many types of controls and components you ll learn to build are Ajax enabled controls and components four chapters on Ajax discuss and use Ajax patterns ASP NET 2 0 client callback mechanism CSS DOM XML and JavaScript to implement a number of Ajax enabled controls and components Web Parts four chapters on Web Parts in ASP NET 2 0 develop a number of custom WebPart EditorPart CatalogPart WebPartZone WebPartChrome WebPartVerb WebPartManager and data bound WebPart controls 5 chapters on ASP NET 2 0 security membership and role management components 5 chapters on ASP NET 2 0 tabular and hierarchical data source controls and custom Parameter components 4 chapters on ASP NET 2 0 tabular data bound controls and data control fields Developing controls and components that can access any type of data

store and automate all their data operations such as Delete Update Insert and Sort XML Web service WSDL Google XML Web service API SchemaImporterExtension ISerializable and CodeDom XmlReader XmlWriter XPathNavigator DOM and XmlResolver Provider Based Services including how to implement a RSS service provider that can feed RSS from any type of data store such as SQL Server file system Web services and so on HTTP modules HTTP handler factories HTTP handlers and control builders including developing an HTTP module and an HTTP handler factory that perform URL rewriting and an HTTP handler that generates RSS feeds User controls and composite and templated custom controls State management and custom type converters Events IPostBackEventHandler IPostBackDataHandler and Page lifecycle This book is also available as part of the 5 book ASP NET 2 0 Wrox Box ISBN 0 470 11757 5 This 5 book set includes Professional ASP NET 2 0 Special Edition ISBN 0 470 04178 1 ASP NET 2 0 Website Programming Problem Design Solution ISBN 0764584642 Professional ASP NET 2 0 Security Membership and Role Management ISBN 0764596985 Professional ASP NET 2 0 Server Control and Component Development ISBN 0471793507 ASP NET 2 0 MVP Hacks and Tips ISBN 0764597663 CD ROM with more than 1000 pages of bonus chapters from 15 other NET 2 0 and SQL Server TM 2005 Wrox books DVD with 180 day trial version of Microsoft r Visual Studio r 2005 Professional Edition

An Atypical ASP.NET Core 6 Design Patterns Guide Carl-Hugo Marcotte, Abdelhamid Zebdi, 2022-03-28 The professional developer s essential guide to building robust maintainable and flexible web apps by leveraging C 10 and NET 6 features and component and application scale design patterns Key Features Apply the SOLID architectural principles and software design patterns effectively with a focus on dependency injection Discover modern application architectures such as vertical slice clean architecture and event driven microservices Explore full stack ASP NET Core with an overview of Blazor Book Description An Atypical ASP NET Core 6 Design Patterns Guide Second Edition approaches programming like playing with LEGO snapping small pieces together to create something beautiful Thoroughly updated for ASP NET Core 6 with further coverage of microservices patterns data contracts and event driven architecture this book gives you the tools to build and glue reliable components together to improve your programmatic masterpieces The chapters are organized based on scale and topic allowing you to start small and build on a strong base the same way that you would develop a program You will begin by exploring basic design patterns SOLID architectural principles dependency injection and other ASP NET Core 6 mechanisms You will explore component scale patterns and then move to higher level application scale patterns and techniques to better structure your applications Finally you ll advance to the client side to connect the dots with tools like Blazor and make ASP NET Core a viable full stack web development framework You will supplement your learning with practical use cases and best practices exploring a range of significant Gang of Four GoF design patterns along the way By the end of the book you will be comfortable combining and implementing patterns in different ways and crafting software solutions of any scale What you will learn Apply the SOLID principles for building flexible and maintainable software Get to grasp NET dependency Injection Work with GoF design

patterns such as strategy decorator facade and composite Explore the MVC patterns for designing web APIs and web applications using Razor Discover layering techniques and tenets of clean architecture Become familiar with CQRS and vertical slice architecture as an alternate to layering Understand microservices and when they can benefit your applications Build an ASP NET user interfaces from server side to client side Blazor Who this book is for The book is intended for intermediate software and web developers with an understanding of NET who want to write flexible maintainable and robust code for building scalable web applications Knowledge of C programming and an understanding of web concepts like HTTP is necessary

Professional Design Patterns in VB .NET Chaur Wu, Tom Fischer, Peter Stromquist, John Slater, 2008-01-01 Professional Design Patterns in VB NET Building Adaptable Applications is not merely design pattern theory No no Instead the authors show design patterns applied to real world architectural scenarios so you can witness the patterns in action reaping benefits along the way The core of this book contains three case studies which explain design pattern application in each main tier of an application data business and presentation layers These case studies flesh out your understanding of design patterns illustrating how the scenarios can be realistically employed and recognized by all Visual Basic NET programmers Also featured how design patterns can be used in conjunction with NET Remoting to be applied across tiers as well as within them And since many VB NET programmers may not be wholly familiar with UML the authors also provide a UML primer as an appendix

ASP.NET 4.0 Programming Joydip Kanjilal, 2008-12-15 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

ASP.NET E-COMM, HOFFMAN, 2003-01-28 This title shows how to build a complete e commerce site from design to deployment It shows how to incorporate all the features offered on major e commerce sites straight into your own projects quickly and easily

Containerisation and Multimodal Transport in India K. V. Hariharan, 2003

Professional ASP.NET MVC 2 Jon Galloway, Scott Hanselman, Phil Haack, Scott Guthrie, Rob Conery, 2010-06-04 Top selling MVC book from a top team at Microsoft now fully updated ASP NET MVC 2 0 is now available and shipping with Visual Studio 2010 and NET 4 A new update to Microsoft s Model View Controller technologies MVC 2 enables developers to build dynamic data driven Web sites Professional ASP NET MVC 2 shows you step by step how to use MVC 2 You ll learn both the theory behind MVC 2 as well as walk through practical tutorials where you ll create a real world application Topics include transitioning from ASP NET development as well as an overview of related tools and technologies including LINQ jQuery and REST This book is for web developers who are looking to add more complete testing to their web sites and who are perhaps ready for something different In some places we assume that you re somewhat familiar with ASP NET WebForms at least peripherally There are a lot of ASP NET WebForms developers out there who are interested in ASP NET MVC so there are a number of places in this book where we contrast the two technologies Even if you re not already an ASP NET developer you might still find these

sections interesting for context as well as for your own edification as ASP NET MVC may not be the web technology that you are looking for

Pro Design Patterns in C# Adam Freeman, 2017-10-24 Pro C Design Patterns will teach you those design patterns that have always been present at some level in your code but were never recognized acknowledged or fully utilized Implementation of specific pattern approaches will prove their value to any NET developer This book shows you how to harness the power and flexibility of the C language to apply the most important and enduring design patterns to your applications taking your development from journeyman to master Best selling NET author Adam Freeman explains how to get the most from design patterns He starts with the nuts and bolts and shows you everything through to advanced features going in depth to give you the knowledge you need This book brings design patterns to life and shows you how to bring structure and scale to your C code with a practical no nonsense approach You will also discover less well known but useful patterns like memento composite command and mediator

Design Patterns in .NET Dmitri Nesteruk, 2019-05-11

Implement design patterns in NET using the latest versions of the C and F languages This book provides a comprehensive overview of the field of design patterns as they are used in today's developer toolbox Using the C programming language Design Patterns in NET explores the classic design pattern implementation and discusses the applicability and relevance of specific language features for the purpose of implementing patterns You will learn by example reviewing scenarios where patterns are applicable MVP and patterns expert Dmitri Nesteruk demonstrates possible implementations of patterns discusses alternatives and pattern inter relationships and illustrates the way that a dedicated refactoring tool ReSharper can be used to implement design patterns with ease What You Will Learn Know the latest pattern implementations available in C and F Refer to researched and proven variations of patterns Study complete self contained examples including many that cover advanced scenarios Use the latest implementations of C and Visual Studio ReSharper Who This Book Is For Developers who have some experience in the C language and want to expand their comprehension of the art of programming by leveraging design approaches to solving modern problems

Pro ASP.NET MVC 2 Framework Steven

Sanderson, 2011-01-10 Author Steven Sanderson has seen the ASP NET MVC Framework mature from the start so his experience combined with comprehensive coverage of all the new features including those in the official MVC development toolkit offers the clearest understanding of how this exciting new framework can improve your coding efficiency With this book you will gain invaluable up to date knowledge of security deployment and interoperability challenges The ASP NET MVC 2 Framework introduces a radical high productivity programming model that promotes cleaner code architecture test driven development and powerful extensibility combined with all the benefits of ASP NET 3.5 In this book the core model view controller MVC architectural concepts are not simply explained or discussed in isolation but are demonstrated in action You will work through an extended tutorial to create a working e commerce web application that combines ASP NET MVC with C language features and unit testing best practices By gaining this invaluable practical experience you will discover MVC's

strengths and weaknesses for yourself and put your best learned theory into practice *ASP.NET MVC 1.0 WEBSITE PROGRAMMING: PROBLEM - DESIGN - SOLUTION* Nick Berardi, Al Katawazi, Marco Bellinaso, 2009-09-01 Market_Desc Web developers who already have Web Forms experience in ASP NET 1 x or 2 0 and want to update their knowledge for real world scenarios they might be facing Web developers who have MVC experience in PHP or Ruby and want to make the switch over to NET Intermediate or advanced web developers who want to stay up to date with their knowledge of the ASP NET framework Special Features ASP NET MVC is the major new development model for ASP NET programmers MVC is a method of separating code for a websites data look and business processes The MVC approach is perfectly mirrored in the approach of the book ASP NET Website Programming Problem Design Solution which was teaching a similar separation of layers long before there was an official MVC route This version of the book updates the classic and well known TheBeerHouse application to use MVC Professional ASP NET programmers have shown their trust by making Wrox books on ASP NET 2 0 ASP NET 3 5 and ASP NET AJAX all bestsellers These readers look to Wrox to help them master this latest ASP NET technology too About The Book The utility of this book is a nuts and bolts how to guide on creating a website using MVC It solves some of the most common problems that programmers run into when creating their first application or when trying to upgrade a current application to this new technology The book much like the first one breaks each section down into 3 parts the Problem the Design and the Solution For the most part the chapter outline is mostly the same because the majority of the chapters are still just as important now to web developers as they were when the book was originally written However this edition includes MVC updates within these chapters *Dr. Dobb's Journal of Software Tools for the Professional Programmer* ,2003 *Architecting ASP.NET Core Applications* Carl-Hugo Marcotte, 2024-03-22 Backend design like you ve never seen it before a guide to building SOLID ASP NET Core web apps that stand the test of time Featuring more Minimal APIs more testing a new e commerce project and the modular monolith Purchase of the print or Kindle book includes a free PDF eBook Key Features Learn multiple ways to organize your application code and become a more flexible ASP NET Core developer Explore hands on design patterns learn architectural principles and how to sidestep anti patterns Refactor code toward modern application design such as feature based vertical slice and clean architecture Book Description This unique ASP NET Core book will fill in the gaps in your REST API and backend designs Learn how to build robust maintainable and flexible apps using Gang of Four GoF design patterns and modern architectural principles This new edition is updated for NET 8 and focuses exclusively on the backend with new content on REST APIs the REPR pattern and building modular monoliths You ll start by covering foundational concepts like REST the SOLID principles Minimal APIs dependency injection in NET and other ASP NET Core 8 mechanisms Then you ll learn to develop components using design patterns including many from the GoF Finally you ll explore organizing your application code with patterns that vary from layers to feature oriented vertical slice designs covering CQS and a deep dive into microservices along the way A brand new e commerce

project at the end of the book will tie it all together This how to guide will teach you how to assemble your own APIs from building blocks to suit whatever real world requirements you may have What you will learn Apply the SOLID principles for building flexible and maintainable software Test your apps effectively with automated tests including black box testing Embark on mastering ASP NET Core dependency injection Work with GoF design patterns including strategy decorator facade and composite Design REST APIs using Minimal APIs and ASP NET Core MVC Discover layering and the tenets of clean architecture Use feature oriented techniques as an alternative to layering Explore microservices CQS REPR vertical slice architecture and many more patterns Who this book is for This book is for intermediate level ASP NET Core developers who want to improve their C app code structure and API design skills ASP NET developers who want to modernize their knowledge and enhance their technical architecture skills will also like this book It s also a good refresher for those in software design roles with more experience looking to update their expertise A good knowledge of C programming and a basic understanding of web concepts is necessary to get the most out of this book though some refreshers are included along the way

Testing ASP.NET Web Applications Jeff McWherter,Ben Hall,2011-06-15 A unique resource that combines all aspects of Web testing and makes it completely specific to ASP NET As Microsoft s key Web technology for creating dynamic data driven Web sites and Web applications ASP NET is incredibly popular This is the first book to combine several testing topics and make them specific to ASP NET The author duo of Microsoft MVPs covers both the test driven development approach and the specifics of automated user interface testing performance load and stress testing accessibility testing and security testing This definitive guide walks you through the many testing pitfalls you might experience when developing ASP NET applications The authors explain the fundamental concepts of testing and demystify all the correct actions you need to consider and the tools that are available so that you may successfully test your application Author duo of Microsoft MVPs offer a unique resource a combination of several testing topics and making them specific to ASP NET Microsoft s key Web technology for creating dynamic data driven Web sites and applications Guides you through the many testing pitfalls you may experience when developing ASP NET applications Reviews the fundamental concepts of testing and walks you through the various tools and techniques available and for successfully testing an application Discusses several different types of testing acceptance stress accessibility and security Examines various testing tools such as NUnit VS test suite WCAT Selenium Fiddler Firebug and more This one of a kind resource will help you become proficient in successfull application testing

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