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Windows Developer Power Tools-James Avery 2007-06-26 A wealth of open and free software is available today for Windows developers who want to extend the development environment, reduce development effort, and increase productivity. This encyclopedic guide explores more than 100 free and open source tools available to programmers who build applications for Windows desktops and servers.

NHibernate with ASP.NET Problem Design Solution-Scott Millett 2010-11-19 This Wrox Blox demonstrates how to start using NHibernate in line business applications using ASP.NET and VB.NET. Using NHibernate will speed up your application development by removing the need to build your own Data Access Layer (DAL). In addition, you can focus solely on the business problem instead of the infrastructure concerns. Using a simple demo application as an example, this Wrox Blox shows how easy it is to get started with NHibernate and build your DAL in minutes instead of hours. Readers will also see how the POCO pattern enables you to keep your DAL as unobtrusive as possible as well as being interchangeable for future DAL implementations. You will also see how NHibernate has many enterprise patterns built into it, like the Unit of Work pattern and the Identity Map. Table of Contents What Is an Object Relational Mapper? 2 Why NHibernate? 2 Part 1: Getting Started with NHibernate 2 A Quick Demo 2 Part 2: The NHibernate Framework 13 Architecture and Core Concepts 13 Mapping Your Entities: Impedance Mismatch 16 Persisting Business Objects 18 Part 3: Using NHibernate 19 Introducing the Project and Laying out the Solution Framework 19 Designing the Domain Model 23 NHibernate Repository Project: Base Class 39 Managing Products 48 Managing Customers 58 NHibernate Repository Project: Refactoring and Session Management 69 Managing Orders 74 The Database — A Question of Storage 94 Presentation with the Model-View-Presenter Pattern 96 User Interface: ASP.NET 103 Part 4: Other NHibernate Bits and Pieces 113 Other Querying Methods 113 Mapping Inheritance 115 What Kind of SQL Is Being Produced? 118 Wrap Up 119 Scott Millett 120

Learning NHibernate 4-Suhas Chatekar 2015-07-31 Connecting the object-oriented world of .NET to the relational world of databases has always been fiddly but with the onset of ORMs such as NHibernate, developers have finally got some relief in this area. You will begin with a bird's eye view of NHibernate, touching upon its core concepts. You will define domain model and map it with database schema using different techniques. You will then look into multiple ways of storing domain entities in a database and learn important concepts such as transitive persistence, transactions and unit of work. This will be followed by retrieving data from database. Next, you will optimize your code, explore concepts such as the onion architecture, and learn where NHibernate fits best in an application's architecture. After introducing a well-known repository pattern into our application, you will learn to deal with legacy databases. We will conclude with infrequently used features such as stateless sessions, the second level cache, concurrency, and so on, which might come handy.

Patterns, Principles, and Practices of Domain-Driven Design-Scott Millett 2015-05-04 Methods for managing complex software construction following the practices, principles and patterns of Domain-Driven Design with code examples in C# This book presents the philosophy of Domain-Driven Design (DDD) in a down-to-earth and practical manner for experienced developers building applications for complex domains. A focus is placed on the principles and practices of

decomposing a complex problem space as well as the implementation patterns and best practices for shaping a maintainable solution space. You will learn how to build effective domain models through the use of tactical patterns and how to retain their integrity by applying the strategic patterns of DDD. Full end-to-end coding examples demonstrate techniques for integrating a decomposed and distributed solution space while coding best practices and patterns advise you on how to architect applications for maintenance and scale. Offers a thorough introduction to the philosophy of DDD for professional developers Includes masses of code and examples of concept in action that other books have only covered theoretically Covers the patterns of CQRS, Messaging, REST, Event Sourcing and Event-Driven Architectures Also ideal for Java developers who want to better understand the implementation of DDD

NHibernate in Action-Pierre Henri Kuate 2009 Provides information on building .NET applications using NHibernate.

Learning NServiceBus - Second Edition-David Boike 2015-01-31 If you are a .NET developer who wants to eliminate the problems related to defective third-party web service integration or batch job failures, then this is the book for you. It is also perfect for those of you who are new to NServiceBus and service-oriented architecture and would like to learn how you can streamline all of your development efforts.

Nhibernte 2 Beginner's Guide-Aaron Cure 2010-05-12 Rapidly retrieve data from your database into .NET objects.

NHibernate 3 Beginner's Guide-Gabriel N. Schenker 2011-08-26 Rapidly retrieve data from your database into .NET objects.

Foundations of Object-Oriented Programming Using .NET 2.0 Patterns-Christian Gross 2006 Looks at the concept of object-oriented programming, covering such topics as logging management, applications, component groupings, writing algorithms, and code.

NHibernate 3.0 Cookbook-Jason Dentler 2010-10-04 Get solutions to common NHibernate problems to develop high-quality performance-critical data access applications. This book contains quick-paced self-explanatory recipes organized in progressive skill levels and functional areas. Each recipe contains step-by-step instructions about everything necessary to execute a particular task. The book is designed so that you can read it from start to end or just open up any chapter and start following the recipes. In short this book is meant to be the ultimate "how-to" reference for NHibernate 3.0, covering every major feature of NHibernate for all experience levels. This book is written for NHibernate users at all levels of experience. Examples are written in C# and XML. Some basic knowledge of SQL is assumed.

NHibernate 4.x Cookbook-Gunnar Liljas 2017-01-31 Over 90 incredible and powerful recipes to help you efficiently use NHibernate in your application About This Book Master the full range of NHibernate features through detailed example recipes that you can quickly apply to your own applications Reduce hours of application development time and get a better application architecture and improved performance Create, maintain, and update your database structure automatically with the help of NHibernate Who This Book Is For This book is written for .NET developers who want to use NHibernate and those who want to deepen their knowledge of the platform. Examples are written in C# and XML. Some basic knowledge of SQL is assumed. If you build .NET applications that use relational databases, this book is for you. What You Will Learn Create a persistent object model to move data in and out of your database Build the database from your model automatically Configure NHibernate for use with WebForms, MVC, WPF, and WinForms applications Create database queries using a variety of methods Improve the performance of your applications using a variety of techniques Build an infrastructure for fast, easy, test-driven development of your data access layer Implement entity validation, auditing, full-text search, horizontal partitioning (sharding), and spatial queries using NHibernate Contrib projects In Detail NHibernate is a mature, flexible, scalable, and feature-complete open source project for data access. Although it sounds like an easy task to build and maintain database applications, it can be challenging to get beyond the basics and develop applications that meet your needs perfectly. NHibernate allows you to use plain SQL and stored procedures less and keep focus on your application logic instead. Learning the best practices for a NHibernate-based application will help you avoid problems and ensure that your project is a success. The book will take you from the absolute basics of NHibernate through to its most advanced features, showing you how to take full advantage of each concept to quickly create amazing database applications. You will learn several techniques for each of the four core NHibernate tasks—configuration, mapping, session and transaction management, and querying—and which techniques fit best with various types of applications. In short, you will be able to build an application using NHibernate by the end of the book. You will also learn how to best implement enterprise application architecture patterns using NHibernate, leading to clean, easy-to-understand code and increased productivity. In addition to new features, you will learn creative ways to extend the NHibernate core, as well as gaining techniques to work with the NHibernate search, shards, spatial,

envers, and validation projects. Style and approach This book contains recipes with examples organized in functional areas, each containing step-by-step instructions on everything necessary to execute a particular task. The book is designed so you can read it from start to end or just open up any chapter and start following the recipes.

Hibernate Tips-Thorben Janssen 2018-01-09 When you use Hibernate in your projects, you quickly recognize that you need to do more than just add @Entity annotations to your domain model classes. Real-world applications often require advanced mappings, complex queries, custom data types and caching. Hibernate can do all of that. You just have to know which annotations and APIs you need to use. Hibernate Tips - More than 70 solutions to common Hibernate problems shows you how to efficiently implement your persistence layer with Hibernate's basic and advanced features. Each Hibernate Tip consists of one or more code samples and an easy to follow step-by-step explanation. You can also download an example project with executable test cases for each Hibernate Tip. Throughout this book, you will get more than 70 ready-to-use solutions that show you how to: - Define standard mappings for basic attributes and entity associations. - Implement your own attribute mappings and support custom data types. - Use Hibernate's Java 8 support and other proprietary features. - Read data from the database with JPQL, Criteria API, and native SQL queries. - Call stored procedures and database functions. This book is for developers who are already working with Hibernate and who are looking for solutions for their current development tasks. It's not a book for beginners who are looking for extensive descriptions of Hibernate's general concepts. The tips are designed as self-contained recipes which provide a specific solution and can be accessed when needed. Most of them contain links to related tips which you can follow if you want to dive deeper into a topic or need a slightly different solution. There is no need to read the tips in a specific order. Feel free to read the book from cover to cover or to just pick the tips that help you in your current project.

Developing C# Apps for iPhone and iPad using MonoTouch-Bryan Costanich 2011-08-05 Developing C# Applications for iPhone and iPad using MonoTouch shows you how to use your existing C# skills to write apps for the iPhone and iPad. Fortunately, there's MonoTouch, Novell's .NET library that allows C# developers to write C# code that executes in iOS. Furthermore, MonoTouch allows you to address all the unique functions of the iPhone, iPod Touch, and iPad. And the big plus: You needn't learn any Objective-C to master MonoTouch! Former Microsoft engineer and published app-store developer Bryan Costanich shows you how to use the tools you already know to create native apps in iOS using C# and the .NET Base Class Libraries. The magic is in Novell's implementation of Apple's Cocoa libraries in MonoTouch. You'll master the same elegant and rich Cocoa environment, but without the need to learn a new programming language. Developing C# Applications for iPhone and iPad using MonoTouch takes you from your first "Hello, World" example through the major APIs and features of iOS. The coverage is comprehensive and makes use of frequent examples, complete with sample code you can download and reuse to create your own powerful and playful apps.

NHibernate Succinctly-Ricardo Peres 2017-02-01 Master the intricacies of NHibernate, an established and powerful Object/Relational Mapper (ORM) in NHibernate Succinctly. Let author Ricardo Peres guide you toward a fuller understanding of one of the oldest and most flexible ORMs available

Working with NHibernate 3.0-Benjamin Perkins 2011-08 This book provides examples using the IQuery, ICriteria, QueryOver, and LINQ to NHibernate API's within the context of an example Guitar Store inventory program. The reader is walked through the creation of a Microsoft SQL Server 2008 database, the creation of a Visual Studio 2010 solution consisting of 3 projects (a Window Presentation Foundation (WPF), a Console Application, and a Class Library). Each one utilizes the .NET 4.0 framework. Then the reader is walked through the steps required to configure and use the many features available contained within NHibernate 3.2. Further instructions and examples exist for the insertion of parent/child relationships, Session management, entity states (transient, persistent and detached), deletion, caching, and batching. The last chapter utilizes ASP.NET MVC 3 and jqGrid for the creation of an internet program for viewing the guitar inventory using NHibernate and the session per web request model. Table of Contents Chapter 1: Getting Started With NHibernate 3 1 Chapter 2: Using Hql 53 Chapter 3: Using Icriteria 91 Chapter 4: Using Linq to Nhibernate 145 Chapter 5: Managing State and Saving Data 169 Chapter 6: Using Nhibernate with an Asp.Net Mvc 3 Application 203

Fundamentals of Computer Programming with C#-Svetlin Nakov 2013-09-01 The free book "Fundamentals of Computer Programming with C#" is a comprehensive computer programming tutorial that teaches programming, logical thinking, data structures and algorithms, problem solving and high quality code with lots of examples in C#. It starts with the first steps in programming and software development like variables, data types, conditional statements,

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

Hibernate in Action-Christian Bauer 2005 A guide to using Hibernate covers such topics as ORM, application architecture, and developer tools.

High-Performance Java Persistence-Vlad Mihalcea 2016-10-12 A high-performance data access layer must resonate with the underlying database system.

Knowing the inner workings of a relational database and the data access frameworks in use can make the difference between a high-performance enterprise application and one that barely crawls. This book is a journey into Java data access performance tuning. From connection management, to batch updates, fetch sizes and concurrency control mechanisms, it unravels the inner workings of the most common Java data access frameworks. The first part aims to reduce the gap between application developers and database administrators. For this reason, it covers both JDBC and the database fundamentals that are of paramount importance when reducing transaction response times. In this first part, you'll learn about connection management, batch updates, statement caching, result set fetching and database transactions. The second part demonstrates how you can take advantage of JPA and Hibernate without compromising application performance. In this second part, you'll learn about the most efficient Hibernate mappings (basic types, associations, inheritance), fetching best practices, caching and concurrency control mechanisms. The third part is dedicated to jOOQ and its powerful type-safe querying capabilities, like window functions, common table expressions, upsert, stored procedures and database functions.

Microsoft ADO.NET Entity Framework Step by Step-John Paul Mueller 2013-08-15 Your hands-on guide to Entity Framework fundamentals Expand your expertise—and teach yourself the fundamentals of the Microsoft ADO.NET Entity Framework 5. If you have previous programming experience but are new to the Entity Framework, this tutorial delivers the step-by-step guidance and coding exercises you need to master core topics and techniques. Discover how to: Access data in a managed way—using minimal code Apply three workflows supported by the Entity Framework Perform essential tasks with full automation in

place Manipulate data with both LINQ and Entity SQL Create examples that rely on Table-Valued Functions Determine the remedies for Entity-specific exceptions Explore the use of optimistic and pessimistic concurrency Define mappings between your applications and data sources

Programming Entity Framework-Julia Lerman 2010-08-09 Get a thorough introduction to ADO.NET Entity Framework 4 -- Microsoft's core framework for modeling and interacting with data in .NET applications. The second edition of this acclaimed guide provides a hands-on tour of the framework latest version in Visual Studio 2010 and .NET Framework 4. Not only will you learn how to use EF4 in a variety of applications, you'll also gain a deep understanding of its architecture and APIs. Written by Julia Lerman, the leading independent authority on the framework, Programming Entity Framework covers it all -- from the Entity Data Model and Object Services to WCF Services, MVC Apps, and unit testing. This book highlights important changes for experienced developers familiar with the earlier version. Understand the core concepts you need to make the best use of the EF4 in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, ASP.NET Web Forms, and ASP.NET MVC applications Build and consume WCF Services, WCF Data Services, and WCF RIA Services Use Object Services to work directly with your entity objects Create persistent ignorant entities, repositories, and write unit tests Delve into model customization, relationship management, change tracking, data concurrency, and more Get scores of reusable examples -- written in C# (with notes on Visual Basic syntax) -- that you can implement right away

Professional Enterprise .NET-Jon Arking 2010-12-30 Comprehensive coverage to help experienced .NET developers create flexible, extensible enterprise application code If you're an experienced Microsoft .NET developer, you'll find in this book a road map to the latest enterprise development methodologies. It covers the tools you will use in addition to Visual Studio, including Spring.NET and NUnit, and applies to development with ASP.NET, C#, VB, Office (VBA), and database. You will find comprehensive coverage of the tools and practices that professional .NET developers need to master in order to build enterprise more flexible, testable, and extensible .NET applications with minimal upfront costs. Helps C#, VB.Net, and ASP.NET developers who wish to migrate both their applications and their own skillsets to newer, more flexible enterprise methodologies Describes each new pattern or feature along with its benefits, then outlines the pros and cons of its implementation Includes an introduction to enterprise development and a comprehensive overview of the differences between new enterprise patterns and older, traditional Microsoft programming Explains how to implement these patterns by upgrading an existing code base Covers benefits including flexibility, automated testing, extensibility, and separation; modular code; test-driven development, unit test, test automation, and refactoring; inversion of control; and object relational mapping Also covers enterprise design patterns: MVC including Ruby on Rails, Monorail, and ASP.NET MVC, MVP, observer, and more Contains a primer on object-oriented design Professional Enterprise .NET focuses on the often-inevitable compromise between forward-thinking design and the needs of business, helping you build applications that serve both.

Nhibernate 4.0 Cookbook- 2016

ASP.NET MVC 4 and the Web API-Jamie Kurtz 2013-03-12 This one hundred page book focuses exclusively on how you can best use the ASP.NET MVC 4 Framework to build world-class REST services using the Web API. It sets aside much of what the ASP.NET MVC Framework can do, and focuses exclusively on how the Web API can help you build web services. You will not find any help on CSS, HTML, JavaScript, or jQuery. Nor will you find any help on the Razor view engine, HTML Helpers, or model binding. If you need this information then Pro ASP.NET MVC 4 is your perfect book. ASP.NET MVC 4 and the Web API: Building a REST Service from Start to Finish helps you build cutting-edge REST services using ASP.NET MVC 4 and the Web API in more depth and detail than any other resource. ASP.NET MVC has always been a good platform on which to implement REST, but with the advent of the Web API it has now become even better. This book will show you why it's great and how to get the most from it. Author Jamie Kurtz will take you from zero to full-blown REST service here in no time at all. And you'll even learn how to incorporate some popular open source tools along the way: little or no experience with ASP.NET or the MVC Framework is required.

Dependency Injection with Unity-Dominic Betts 2013-08 Over the years software systems have evolutionarily become more and more complex. One of the techniques for dealing with this inherent complexity of software systems is dependency injection - a design pattern that allows the removal of hard-coded dependencies and makes it possible to assemble a service by changing dependencies easily, whether at run-time or compile-time. It promotes code reuse and loosely-coupled design which leads to more easily maintainable and flexible code. The guide you are holding in your hands is a primer on using dependency

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injection with Unity - a lightweight extensible dependency injection container built by the Microsoft patterns & practices team. It covers various styles of dependency injection and also additional capabilities of Unity container, such as object lifetime management, interception, and registration by convention. It also discusses the advanced topics of enhancing Unity with your custom extensions. The guide contains plenty of trade-off discussions and tips and tricks for managing your application cross-cutting concerns and making the most out of both dependency injection and Unity. These are accompanied by a real world example that will help you master the techniques. Keep in mind that Unity can be used in a wide range of application types such as desktop, web, services, and cloud. We encourage you to experiment with the sample code and think beyond the scenarios discussed in the guide. In addition, the guide includes the Tales from the Trenches - a collection of case studies that offer a different perspective through the eyes of developers working on the real world projects and sharing their experiences. These chapters make clear the range of scenarios in which you can use Unity, and also highlight its ease of use and flexibility. Whether you are a seasoned developer or just starting your development journey, we hope this guide will be worth your time studying it. We hope you discover that Unity container adds significant benefits to your applications and helps you to achieve the goals of maintainability, testability, flexibility, and extensibility in your own projects.

Professional ASP.NET MVC 5-Jon Galloway 2014-07-15 ASP.NET MVC insiders cover the latest updates to the technology in this popular Wrox reference MVC 5 is the newest update to the popular Microsoft technology that enables you to build dynamic, data-driven websites. Like previous versions, this guide shows you step-by-step techniques on using MVC to best advantage, with plenty of practical tutorials to illustrate the concepts. It covers controllers, views, and models; forms and HTML helpers; data annotation and validation; membership, authorization, and security. MVC 5, the latest version of MVC, adds sophisticated features such as single page applications, mobile optimization, and adaptive rendering A team of top Microsoft MVP experts, along with visionaries in the field, provide practical advice on basic and advanced MVC topics Covers controllers, views, models, forms, data annotations, authorization and security, Ajax, routing, ASP.NET web API, dependency injection, unit testing, real-world application, and much more Professional ASP.NET MVC 5 is the comprehensive resource you need to make the best use of the updated Model-View-Controller technology.

Database Administration-Craig Mullins 2002 A thorough reference on database administration outlines a variety of DBA roles and responsibilities and discusses such topics as data modeling and normalization, database/application design, change management, database security and data integrity, performance issues, disaster planning, and other essentials. Original. (Advanced)

Modern Data Access with Entity Framework Core-Holger Schwichtenberg 2018-06-27 C# developers, here's your opportunity to learn the ins-and-outs of Entity Framework Core, Microsoft's recently redesigned object-relational mapper. Benefit from hands-on learning that will teach you how to tackle frustrating database challenges, such as workarounds to missing features in Entity Framework Core, and learn how to optimize the performance of your applications, head-on! Modern Data Access with Entity Framework Core teaches best practices, guidance, and shortcuts that will significantly reduce the amount of resources you internally dedicate to programming data access code. The proven methods and tools taught in this book, such as how to get better performance, and the ability to select the platform of your choice, will save you valuable time and allow you to create seamless data access. Dive into succinct guidance that covers the gamut-- from installing Entity Framework Core, reverse engineering, forward engineering (including schema migrations), and data reading and modification with LINQ, Dynamic LINQ, SQL, Stored Procedures, and Table Valued Functions- to using third-party products such as LINQPad, Entity Developer, Entity Framework Profiler, EFPlus, and AutoMapper. You'll also appreciate excerpts of conceptual software architecture discussion around Entity Framework Core that might otherwise take years to learn. What You'll Learn Understand the core concepts of Entity Framework Core, as well process models for existing databases (reverse engineering) and the generation of database schemas from object models (forward engineering) Study real-world case studies for hands-on EF Core instruction Get up to speed with valuable database access scenarios and code samples Discover workarounds to augment missing features in Entity Framework Core Use Entity Framework Core to write mobile apps Bonus online appendix covers Entity Framework Core 2.1 release updates Who This Book Is For Software developers who have basic experience with .NET and C#, as well as some understanding of relational databases. Knowledge of predecessor technologies such as ADO.NET and the classic ADO.NET Entity Framework is not necessary to learn from this book.

Advantage Database Server-Cary Jensen 2007-01 With the launch of ADS 7.0, the authors can now satisfy the needs of this growing community with an official

guide on ADS.

SQL Cookbook-Anthony Molinaro 2006 A guide to SQL covers such topics as retrieving records, metadata queries, working with strings, data arithmetic, date manipulation, reporting and warehousing, and hierarchical queries.

ASP.NET MVC 4 in Action-Jeffrey Palermo 2012-06-05 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

Applying Domain-Driven Design and Patterns-Jimmy Nilsson 2006-05-08 Patterns, Domain-Driven Design (DDD), and Test-Driven Development (TDD) enable architects and developers to create systems that are powerful, robust, and maintainable. Now, there's a comprehensive, practical guide to leveraging all these techniques primarily in Microsoft .NET environments, but the discussions are just as useful for Java developers. Drawing on seminal work by Martin Fowler (Patterns of Enterprise Application Architecture) and Eric Evans (Domain-Driven Design), Jimmy Nilsson shows how to create real-world architectures for any .NET application. Nilsson illuminates each principle with clear, well-annotated code examples based on C# 1.1 and 2.0. His examples and discussions will be valuable both to C# developers and those working with other .NET languages and any databases—even with other platforms, such as J2EE. Coverage includes · Quick primers on patterns, TDD, and refactoring · Using architectural techniques to improve software quality · Using domain models to support business rules and validation · Applying enterprise patterns to provide persistence support via NHibernate · Planning effectively for the presentation layer and UI testing · Designing for Dependency Injection, Aspect Orientation, and other new paradigms

Mastering ASP.NET Core 2.0-Ricardo Peres 2017-11-16 Become an expert in the shiny new version of ASP.NET About This Book Grasp the advanced concepts of MVC Core and start making professional-grade applications Migrate from previous versions of ASP.NET MVC to ASP.NET Core This book will take you on a journey through all the aspects of ASP.NET Core 2.0 Who This Book Is For If you are a developer who knows the basics of ASP.NET MVC and wants to build powerful applications, this book is for you. Basic C# experience and an understanding of HTML and CSS is assumed. What You Will Learn Get to know the new features of ASP.NET Core 2.0 Find out how to configure ASP.NET Core Configure routes to access ASP.NET Core resources Create controllers and action methods and see how to maintain the state Create views to display contents Implement and validate forms and retrieve information from them Write reusable modules for ASP.NET Core Deploy ASP.NET Core to other environments In Detail ASP.NET is an open source web framework that builds modern web apps and services. This book is your one-stop guide to the new features of ASP.NET Core 2.0, including web APIs and MVC. We begin with a brief overview of the basics,

taking you through the MVC pattern, platforms, dependencies, and frameworks. We then move on to setting up and configuring the MVC environment before talking about routing and advanced routing options. Next, we'll look at model binding, controllers and actions, filters, user authentication, and testing. Moving on, you'll learn about all the aspects of syntax and processes when working with Razor. You'll be introduced to client-side development and will get to know about the security aspects of ASP.NET Core. We will also look at microservices with ASP.NET Core. Finally, you'll find out how to deploy ASP.NET Core to new environments such as Azure, AWS, and Docker. By the end of the book, you will be well versed with development in ASP.NET Core and will have a deep understanding of how to interact with the framework and work cross-platform. Style and approach Find out how to design modern, cross-platform, business oriented web applications that serve the client needs in the age of emerging .NET framework

The Cucumber Book-Matt Wynne 2017-02-17 Your customers want rock-solid, bug-free software that does exactly what they expect it to do. Yet they can't always articulate their ideas clearly enough for you to turn them into code. You need Cucumber: a testing, communication, and requirements tool-all rolled into one. All the code in this book is updated for Cucumber 2.4, Rails 5, and RSpec 3.5. Express your customers' wild ideas as a set of clear, executable specifications that everyone on the team can read. Feed those examples into Cucumber and let it guide your development. Build just the right code to keep your customers happy. You can use Cucumber to test almost any system or any platform. Get started by using the core features of Cucumber and working with Cucumber's Gherkin DSL to describe-in plain language-the behavior your customers want from the system. Then write Ruby code that interprets those plain-language specifications and checks them against your application. Next, consolidate the knowledge you've gained with a worked example, where you'll learn more advanced Cucumber techniques, test asynchronous systems, and test systems that use a database. Recipes highlight some of the most difficult and commonly seen situations the authors have helped teams solve. With these patterns and techniques, test Ajax-heavy web applications with Capybara and Selenium, REST web services, Ruby on Rails applications, command-line applications, legacy applications, and more. Written by the creator of Cucumber and the co-founders of Cucumber Ltd., this authoritative guide will give you and your team all the knowledge you need to start using Cucumber with confidence.

What You Need: Windows, Mac OS X (with XCode) or Linux, Ruby 1.9.2 and upwards, Cucumber 2.4, Rails 5, and RSpec 3.5

.NET Design Patterns-Praseed Pai 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.

Building Enterprise Applications with Windows Presentation Foundation and the Model View ViewModel Pattern-Raffaele Garofalo 2011 Create rich, flexible, and maintainable line-of-business applications with the MVVM design pattern Simplify and improve business application development by applying the MVVM pattern to Windows Presentation Foundation (WPF) and Microsoft(R) Silverlight(R) 4. With this hands-on guide, you'll use MVVM with data binding, commands, and behaviors to create user interfaces loosely coupled to business logic. MVVM is ideal for .NET developers working with WPF and Silverlight--whether or not you have experience building enterprise applications. Discover how to: Dive deep into MVVM--and learn how it differs from other UI design patterns Build a simple Customer Relationship Management application you can adapt for your own projects Implement MVVM to maintain separation between UI declarative syntax and presentation logic code Create a Domain Model to define your application's business context Write dynamic code for the data access layer with the Microsoft Entity Framework and NHibernate Enforce complex data-validation scenarios using Windows Workflow Foundation 4 Implement MVVM using frameworks and toolkits such as Microsoft Prism Get code samples on the web For system requirements, see the Introduction.

Expert SQL Server 2008 Development-Alastair Aitchison 2010-03-28 Expert SQL Server 2008 Development is aimed at SQL Server developers ready to move beyond Books Online. Author and experienced developer Alastair Aitchison shows you how to think about SQL Server development as if it were any other type of development. You'll learn to manage testing in SQL Server and to properly deal with errors and exceptions. The book also covers critical, database-centric topics such as managing concurrency and securing your data and code through proper privileges and authorization. Alastair places focus on sound development and architectural practices that will help you become a better developer, capable of designing high-performance, robust, maintainable database applications. He shows you how to apply notable features in SQL Server such as encryption and support for hierarchical data. If developing for SQL Server is what puts the bread on your table, you can do no better than to read this book and to assimilate the expert-level practices that it provides. Promotes expert-level practices Leads to high performance, scalable code Improves productivity, getting you home in time for dinner

Guide to NoSQL with Azure Cosmos DB-Gaston C. Hillar 2018-09-28 Create scalable applications by taking advantage of NoSQL document databases on the cloud with .NET Core Key Features Work with the latest available tools related to Cosmos DB Learn to work with the latest version of the .NET Core SDK, C# and the SQL API Work with a database service that doesn't require you to use an ORM and provides flexibility Book Description Cosmos DB is a NoSQL database service included in Azure that is continuously adding new features and has quickly become one of the most innovative services found in Azure, targeting mission-critical applications at a global scale. This book starts off by showing you the main features of Cosmos DB, their supported NoSQL data models and the foundations of its scalable and distributed architecture. You will learn to work with the latest available tools that simplify your tasks with Cosmos DB and reduce development costs, such as the Data Explorer in the Azure portal, Microsoft Azure Storage Explorer, and the Cosmos DB Emulator. Next, move on to working with databases and document collections. We will use the tools to run schema agnostic queries against collections with the Cosmos DB SQL dialect and understand their results. Then, we will create a first version of an application that uses the latest .NET Core SDK to interact with Cosmos DB. Next, we will create a second version of the application that will take advantage of important features that the combination of C# and the .NET Core SDK provides, such as POCOs and LINQ queries. By the end of the book, you will be able to build an application that works with a Cosmos DB NoSQL document database with C#, the .NET Core SDK, LINQ, and JSON. What you will learn Understand the supported NoSQL data models and the resource hierarchy Learn the latest tools to work with Cosmos DB accounts and collections Reduce your development costs by working with the Cosmos DB Emulator Understand request units, automatic indexing, partitioning, and billing Build an application with C#, Cosmos DB, .NET Core SDK, and the SQL API Perform asynchronous operations with databases, and documents in C# Work with models, and customize serialization of LINQ queries Who this book is for This book is for C# developers. You do not require any knowledge of Azure Cosmos DB, but familiarity with the Azure platform is expected.

Professional Sitecore 8 Development-Phil Wicklund 2016-11-18 Structure templates and content within Sitecore, work with integrated tools, and leverage its extensive automation capabilities. Sitecore was recently recognized as one of the most reputable and reliable, enterprise-class web content management solutions (WCMS) available in the marketplace. Thousands of companies are using Sitecore to manage their digital experiences online. Because Sitecore is such a large, complex platform, developers often have a hard time coming up to speed, even after completing a Sitecore training course for developers. However, leveraging the design patterns and other practices laid out in this book will make that transition much easier. Professional Sitecore 8 Development provides a

soup-to-nuts approach for a Sitecore rookie to come up to speed quickly, as well as provide more advanced techniques for seasoned veterans that they may not be exposed to otherwise. Key coverage areas include: Getting started with Sitecore development Front-end development techniques Incorporating design patterns into your Sitecore solutions Unit testing Sitecore applications Programming Sitecore's marketing capabilities Sitecore automation with PowerShell Advanced development techniques What you'll learn Develop solutions on the Sitecore platform Come up to speed on Sitecore without going through a training class Build front-end (HTML, CSS, Angular, etc.) solutions as well as back-end (C#) solutions on Sitecore Incorporate design patterns into your Sitecore solutions Make use of advanced Sitecore development techniques Who This Book Is For The book is a developer's companion, both front end and back end developers. The target audience is both developers who have zero Sitecore experience, as well as seasoned veterans looking for advanced best practices. A secondary audience would be Sitecore administrators who would benefit from discussions around performance tuning and security.

Pro LINQ Object Relational Mapping in C# 2008-Vijay P. Mehta 2008-09-02 This book aims to give experienced .NET developers a thorough grounding in Object Relational Mapping methodologies and show how LINQ can be used to achieve them. It provides detailed A-Z coverage of the key concepts and ideas in a clear, easy to follow, manner. The book is split into two parts. The first provides a detailed explanation of the key concepts and technologies, while the second brings them to life in a detailed fictional case study using an architecture that can be easily adapted to a wide range of reader's circumstances.

Inside the Microsoft Build Engine-Sayed Hashimi 2010-12-24 As software complexity increases, proper build practices become ever more important. This essential reference—fully updated for Visual Studio 2010—drills inside MSBuild and shows you how to maximize your control over the build and deployment process. Learn how to customize and extend build processes with MSBuild—and scale them to the team, product, or enterprise level with Team Foundation Build.

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