

## Building Entity Framework Generic Repository 2 Connected

Generic Repository Pattern in MVC 5 with Entity Framework Example Part 58- Repository Pattern - 5 - Setting Up Generic Repository and UnitOfWork in DataAccessLayer Generic Repository Pattern With EF Core - Why It Sucks Generic Repository in C# MVC How to use joins with generic repository pattern - Entity Framework Repository Pattern with C# and Entity Framework, Done Right | Mosh Generic Repository and Unit of Work .NET 7: A Comprehensive Guide Entity Framework Using Repository \u0026 Unit of Work Pattern [C#] Lesson 02: Generic Repository Entity Framework in C#, unit test, code first Clean Architecture with ASP.NET Core 8 | .NET Conf 2023 Repository \u0026 Unit Of Work Design Pattern \u0026 Entity Framework Core with ASP.Net Core 2.2 .NET 7 - Build CRUD with Web API / EF Core / Repository Pattern \u0026 Repository Pattern How to Implement the Repository Pattern in an ASP NET MVC Application ASP NET MVC Generic Repository Unit of Work and Repository pattern using Entity framework Entity Framework Core Tutorial - Everything You Need to Know to Get Started The Repository Pattern explained for EVERYONE (with Code Examples) \u0026 How I Use The Generic Repository Pattern In Clean Architecture Generic repository pattern in c# Code Review: Generic Repository without Entity Framework Repository Pattern With Entity Framework Core | Clean Architecture, .NET 6 SQL : Entity Framework, Generic Repository Pattern and strange SQL generation Entity Framework Tutorial - Simple Repository Pattern C# ASP.NET Core Application Development Practical ASP.NET Web API ASP.NET MVC Framework Unleashed Implementing Domain-driven Design Pro Single Page Application Development Programming Entity Framework Pro ASP.NET MVC 3 Framework C# Programming & Software Development Practical Test-Driven Development using C# 7 Beginning ASP.NET 4.5 Databases Programming Entity Framework Microsoft .NET - Architecting Applications for the Enterprise ASP.NET Core 5 and React C# 9 and .NET 5 - Modern Cross-Platform Development Professional ASP.NET Design Patterns Entity Framework 4 in Action

*Building Entity Framework Generic Repository 2 Connected*

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### ACEVEDO CHOI

[ASP.NET Core Application Development](#) Apress

Shows how to perform set operations with the DbSet class, control change tracking, fix concurrency conflicts, and confirm changes made to data.

"O'Reilly Media, Inc."

Learn how to build modern web applications from the creator of ABP Framework Key Features: Build robust, maintainable, modular, and scalable software solutions using ABP Framework Learn how to implement SOLID principles and domain-driven design in your web applications Discover how ABP Framework speeds up your development cycle by automating repetitive tasks Book Description: ABP Framework is a complete infrastructure for creating modern web applications by following software development best practices and conventions. With ABP's high-level framework and ecosystem, you can implement the Don't Repeat Yourself (DRY) principle and focus on your business code. Written by the creator of ABP Framework, this book will help you to gain a complete understanding of the framework and modern web application development techniques. With step-by-step explanations of essential concepts and practical examples, you'll understand the requirements of a modern web solution and how ABP Framework makes it enjoyable to develop your own solutions. You'll discover the common requirements of enterprise web application development and explore the infrastructure provided by ABP. Throughout the book, you'll get to grips with software development best practices for building maintainable and modular web solutions. By the end of this book, you'll be able to create a complete web solution that is easy to develop, maintain, and test. What You Will Learn: Set up the development environment and get started with ABP Framework Work with Entity Framework Core and MongoDB to develop your data access layer Understand cross-cutting concerns and how ABP automates repetitive tasks Get to grips with implementing domain-driven design with ABP Framework Build UI pages and components with ASP.NET Core MVC (Razor Pages) and Blazor Work with multi-tenancy to create modular web applications Understand modularity and create reusable application modules Write unit, integration, and UI tests using ABP Framework Who this book is for: This book is for web developers who want to learn software architectures and best practices for building maintainable

web-based solutions using Microsoft technologies and ABP Framework. Basic knowledge of C# and ASP.NET Core is necessary to get started with this book.

### PRACTICAL ASP.NET WEB API

Apress

One of the most important and exciting trends in web development in recent years is the move towards single page applications, or SPAs. Instead of clicking through hyperlinks and waiting for each page to load, the user loads a site once and all the interactivity is handled fluidly by a rich JavaScript front end. If you come from a background in ASP.NET development, you'll be used to handling most interactions on the server side. Pro Single Page Application Development will guide you through your transition to this powerful new application type. The book starts in Part I by laying the groundwork for SPA development. You'll master some JavaScript techniques that will come in useful later on, and get to know the building blocks of a single page application, including modules, routing and MV\* frameworks. In Part II, you'll build the client for your application. This is where the magic happens, as the authors take you through the process step by step. Backbone.js is the ideal library for demonstrating SPA development in practice, but you can apply the same principles with other frameworks in your future applications. Part III takes you through the process of building the server side of your application using ASP.NET Web API, and hooking up the two parts of your application to create a working whole. SPA development also comes with its own particular challenges, including tracking history, user interface performance, and how to handle search engine optimization. In the final chapters, the authors guide you through some of these issues and advanced techniques and finish by showing you how to deploy your application. As SPAs become the de facto standard of web application development, the in-depth Pro Single Page Application Development will be your one-stop shop for creating fluid, modern applications on the web.

### ASP.NET MVC FRAMEWORK UNLEASHED

Simon and Schuster

Quickly find solutions to common web development problems. Content is presented in the popular problem-solution format. Look up the problem that you want to solve. Read the solution. Apply the

solution directly in your own code. Problem solved! ASP.NET Core Recipes is a practical guide for developers creating modern web applications, cutting through the complexities of ASP.NET, jQuery, React, and HTML5 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 MVC framework and development tools, presenting typical challenges, along with code solutions and clear, concise explanations, to accelerate application development. Solve problems immediately by pasting in code from the recipes, or put multiple recipe solutions together to overcome challenging development obstacles. What You'll Learn Take advantage of MVC's streamlined syntax Discover how to take full control over HTML Develop a simple API for creating RESTful web services Understand test-driven development Migrate a project from ASP.NET web forms to Core MVC, including recipes for converting DataGrids, Forms, Web Parts, Master Pages, and navigation controls Use Core MVC in combination with popular JavaScript libraries, including jQuery, React, Bootstrap, and more Write unit tests for your MVC controllers, views, custom filters, and HTML helpers Utilize the latest features in Visual Studio 2017 to accelerate your Core MVC projects Identify performance bottlenecks in your MVC application Who This Book Is For Web developers of all skill levels who are looking for a programming reference for ASP.NET Core MVC and would like to gain an understanding of the inner workings of the platform. In addition, parts of this book provide guidance to developers familiar with ASP.NET Web Forms who would like to update their skill set to include Core MVC.

### IMPLEMENTING DOMAIN-DRIVEN DESIGN

Prentice Hall

Learn how to build key aspects of web, cloud, and mobile solutions by combining F# with various .NET and open source technologies. With helpful examples, this hands-on book shows you how to tackle concurrency, asynchrony, and other server-side challenges. You'll quickly learn how to be productive with F#, whether you want to integrate the language into your existing web application or use it to create the next Twitter. If you're a mid- to senior-level .NET programmer, you'll discover how this expressive functional-first language helps you write robust, maintainable, and



reusable solutions that scale easily and target multiple devices. Use F# with ASP.NET MVC, ASP.NET Web API, WCF, Windows Azure, HTML5, CSS3, jQuery Mobile, and other tools Build next-generation ASP.NET MVC 4 web applications, using F# to do the heavy lifting on the server Create WCF SOAP and HTTP web services Develop F# web applications and services that run on Windows Azure Build scalable solutions that allow reuse by mobile and web front-ends Use F# with the WebSharper and Pit frameworks to build end-to-end web stacks

**Pro Single Page Application Development** Programming Entity Framework

Beginning ASP.NET 4.5 Databases introduces you to the world of building data-driven Web sites using ASP.NET, ADO.NET and the Entity Framework using C#. Since ASP.NET developers need to access databases quickly and efficiently, this book teaches the best practices and methods to help developers achieve professional ASP.NET and database solutions. Beginning ASP.NET 4.5 Databases is a comprehensive introduction on how you can connect a Web site to many different data sources — not just databases — and use the data to create dynamic page content. It also shows you how to build a relational database, use SQL to communicate with it, and understand how they differ from each other. With in-depth, on-target coverage of the new data access features of .NET Framework 4.5, this book is your guide to using ASP.NET to build responsive, easy-to-update data-driven Web sites.

*Programming Entity Framework* "O'Reilly Media, Inc."

Develop applications for the real world with a thorough software testing approach Key Features Develop a thorough understanding of TDD and how it can help you develop simpler applications with no defects using C# and JavaScript Adapt to the mindset of writing tests before code by incorporating business goals, code manageability, and other factors Make all your software units and modules pass tests by analyzing failed tests and refactoring code as and when required Book Description Test-Driven Development (TDD) is a methodology that helps you to write as little as code as possible to satisfy software requirements, and ensures that what you've written does what it's supposed to do. If you're looking for a practical resource on Test-Driven Development this is the book for you. You've found a practical end-to-end guide that will help you implement Test-Driven Techniques for your software development projects. You will learn from industry standard patterns and practices, and shift from a conventional approach to a modern and efficient software testing approach in C# and JavaScript. This book starts with the basics of TDD and the components of a simple unit test. Then we look at setting up the testing framework so that you can easily run your tests in your development environment. You will then see the importance of defining and testing boundaries, abstracting away third-party code (including the .NET Framework), and working with different types of test double such as spies, mocks, and fakes. Moving on, you will learn how to think like a TDD developer when it comes to application development. Next, you'll focus on writing tests for new/changing requirements and covering newly discovered bugs, along with how to test JavaScript applications and perform integration testing. You'll also learn how to identify code that is inherently un-testable, and identify some of the major problems with legacy applications that weren't written with testability in mind. By the end of the book, you'll have all the TDD skills you'll need and you'll be able to re-enter the world as a TDD expert! What you will learn The core concepts of TDD Testing in action with a real-world case study in C# and JavaScript using React Writing proper Unit Tests and testable code for your application Using different types of test double such as stubs, spies, and mocks Growing an application guided by tests Exploring new developments on a green-field application Mitigating the problems associated with writing tests for legacy applications Modifying a legacy application to make it testable Who this book is for This book is for software developers with a basic knowledge of Test Driven Development (TDD) who want a thorough understanding of how TDD can benefit them and the applications they produce. The examples in this book are in C#, and you will need a basic understanding of C# to work through these examples.

### Pro ASP.NET MVC 3 Framework

Pearson Education

Practical ASP.NET Web API provides you with a hands-on and code-focused demonstration of the ASP.NET Web API in action. From the very beginning, you'll be writing working code in order to see best practices and concepts in action. As the book progresses, the concepts and code will become more sophisticated. Beginning with an overview of the web service model in general and Web API in particular, you'll progress quickly to a detailed exploration of the request binding and response formatting that lie at the heart of Web API. You'll investigate various scenarios and see how they

can be manipulated to achieve the results you need. Later in the book more sophisticated themes will be introduced that will set your applications apart from the crowd. You'll learn how you can validate the request messages on arrival, how you can create loosely coupled controllers, extend the pipeline processing to compartmentalize your code for security and unit testing before being put onto a live hosting server. What you'll learn What ASP.NET Web API is and how it can be used effectively Ways to optimize your code for readability and performance What controller dependencies are and why they matter How to maintain robust security across your projects Reliable best-practices for using Web API in a professional context Who this book is for The book is ideal for any .NET developer who wants to learn how the ASP.NET Web API framework works in a realistic setting. A good working knowledge of C# and the .NET framework and a familiarity with Visual Studio are the only pre-requisites to benefit from this book Table of Contents Building a Basic Web API Debugging HTTP Formatting CLR Objects into HTTP Response Customizing Response Binding HTTP Request into CLR Objects Validating Request Managing Controller Dependencies Extending Pipeline Hosting ASP.NET Web API Securing ASP.NET Web API Consuming ASP.NET Web API Building Performant Web API

### C# PROGRAMMING & SOFTWARE DEVELOPMENT

Packt Publishing Ltd

Learn how to leverage the features of the new Entity Framework Core APIs and use them to build pure .NET Core applications. About This Book Learn how to effectively manage your database to make it more productive and maintainable. Write simplified queries using LINQ to acquire the desired data easily Raise the abstraction level from data to objects so teams can function independently, resulting in easily maintainable code Who This Book Is For This book is for .NET Core developers who would like to integrate EF Core in their application. Prior knowledge of .NET Core and C# is assumed. What You Will Learn Create databases and perform CRUD operations on them Understand and build relationships (related to entities, keys, and properties) Understand in-built, custom, and remote validation (both client and server side) You will learn to handle concurrency to build responsive applications You will handle transactions and multi-tenancy while also improving performance In Detail Being able to create and maintain data-oriented applications has become crucial in modern programming. This is why Microsoft came up with Entity Framework so architects can optimize storage requirements while also writing efficient and maintainable application code. This book is a comprehensive guide that will show how to utilize the power of the Entity Framework to build efficient .NET Core applications. It not only teaches all the fundamentals of Entity Framework Core but also demonstrates how to use it practically so you can implement it in your software development. The book is divided into three modules. The first module focuses on building entities and relationships. Here you will also learn about different mapping techniques, which will help you choose the one best suited to your application design. Once you have understood the fundamentals of the Entity Framework, you will move on to learn about validation and querying in the second module. It will also teach you how to execute raw SQL queries and extend the Entity Framework to leverage Query Objects using the Query Object Pattern. The final module of the book focuses on performance optimization and managing the security of your application. You will learn to implement failsafe mechanisms using concurrency tokens. The book also explores row-level security and multitenant databases in detail. By the end of the book, you will be proficient in implementing Entity Framework on your .NET Core applications. Style and approach This book is filled with various examples that will help you use Entity Framework Core 2.0 to write efficient software.

**Practical Test-Driven Development using C# 7** Apress

Provides information on using ASP.NET MVC 4 to build server-side Web applications.

*Beginning ASP.NET 4.5 Databases* Packt Publishing Ltd

Vaughn Vernon presents concrete and realistic domain-driven design (DDD) techniques through examples from familiar domains, such as a Scrum-based project management application that integrates with a collaboration suite and security provider. Each principle is backed up by realistic Java examples, and all content is tied together by a single case study of a company charged with delivering a set of advanced software systems with DDD.

**Programming Entity Framework** "O'Reilly Media, Inc."

You can choose several data access frameworks when building Java enterprise applications that work with relational databases. But what about big data? This hands-on introduction shows you how Spring Data makes it relatively easy to build applications across a wide range of new data

access technologies such as NoSQL and Hadoop. Through several sample projects, you'll learn how Spring Data provides a consistent programming model that retains NoSQL-specific features and capabilities, and helps you develop Hadoop applications across a wide range of use-cases such as data analysis, event stream processing, and workflow. You'll also discover the features Spring Data adds to Spring's existing JPA and JDBC support for writing RDBMS-based data access layers. Learn about Spring's template helper classes to simplify the use of database-specific functionality Explore Spring Data's repository abstraction and advanced query functionality Use Spring Data with Redis (key/value store), HBase (column-family), MongoDB (document database), and Neo4j (graph database) Discover the GemFire distributed data grid solution Export Spring Data JPA-managed entities to the Web as RESTful web services Simplify the development of HBase applications, using a lightweight object-mapping framework Build example big-data pipelines with Spring Batch and Spring Integration

### MICROSOFT .NET - ARCHITECTING APPLICATIONS FOR THE ENTERPRISE

Microsoft Press

Build your understanding and confidence with this hands-on guide to programming with C# 10 and .NET 6 Key FeaturesGain a solid foundation in C# and focus on coding real-world applicationsLearn how to write clean, effective code and think like a C# developerBuild your experience and confidence with hands-on exercises and activitiesBook Description C# is a powerful, versatile language that can unlock a variety of career paths. But, as with any programming language, learning C# can be a challenging process. With a wide range of different resources available, it's difficult to know where to start. That's where The C# Workshop comes in. Written and reviewed by industry experts, it provides a fast-paced, supportive learning experience that will quickly get you writing C# code and building applications. Unlike other software development books that focus on dry, technical explanations of the underlying theory, this Workshop cuts through the noise and uses engaging examples to help you understand how each concept is applied in the real world. As you work through the book, you'll tackle realistic exercises that simulate the type of problems that software developers work on every day. These mini-projects include building a random-number guessing game, using the publisher-subscriber model to design a web file downloader, creating a to-do list using Razor Pages, generating images from the Fibonacci sequence using async/await tasks, and developing a temperature unit conversion app which you will then deploy to a production server. By the end of this book, you'll have the knowledge, skills, and confidence to advance your career and tackle your own ambitious projects with C#. What you will learnUnderstand the fundamentals of programming with C# 10 and .NET 6Build your familiarity with .NET CLI and Visual Studio CodeMaster the fundamentals of object-oriented programming (OOP)Understand and implement concurrency to write more efficient codeCreate a database and handle data using C#, SQL, and Entity FrameworkBuild web applications using the ASP.NET frameworkRun automated unit tests with NUnit to validate your codeUse principles including SOLID, KISS, ACID, DRY, and design patternsWho this book is for This book is for aspiring C# developers. It is recommended that you already have a basic understanding of core programming concepts before you start. Prior experience of another programming language would be beneficial, though it is not absolutely necessary.

**ASP.NET Core 5 and React** "O'Reilly Media, Inc."

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 helpsbuild 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

*C# 9 and .NET 5 - Modern Cross-Platform Development* Apress

Pro ASP.NET Web API shows you how to build flexible, extensible web services that run seamlessly on a range of operating systems and devices, from desktops to tablets to smart phones—even the ones we don't know today. ASP.NET Web API is a new framework designed to simplify web service architecture. So if you're tired of interoperability issues between inflexible web services and clients tied to specific platforms or programming languages, or if you've ever struggled with WCF, this

book is for you. To start with, you'll get up to speed on Web API's modern HTTP programming model, REST and your hosting options. You'll then dive into building a real application over a series of three chapters, so you can get an immediate feel for how this technology works in practice. The second half of the book features dedicated chapters on topics like routing, controllers, validation and tracing, and the authors close with discussions on performance, hosting and an all-important look at unit testing to help you prepare your application for the real world. ASP.NET Web API makes HTTP a first-class citizen of .NET. With Pro ASP.NET Web API, you can build HTTP-based web services for your company or business, expose your data to the world across different formats and devices and gain the best possible global reach for your application.

*Professional ASP.NET Design Patterns* Addison-Wesley

Leverage the full potential of Entity Framework with this collection of powerful and easy-to-follow recipes About This Book Learn how to use the new features of Entity Framework Core 1 Improve your queries by leveraging some of the advanced features Avoid common pitfalls Make the best of your .NET APIs by integrating with Entity Framework Who This Book Is For This book is for .NET developers who work with relational databases on a daily basis and understand the basics of Entity Framework, but now want to use it in a more efficient manner. You are expected to have some prior knowledge of Entity Framework. What You Will Learn Master the technique of using sequence key generators Validate groups of entities that are to be saved / updated Improve MVC applications that cover applications developed using ASP.NET MVC Core 1 Retrieve database information (table, column names, and so on) for entities Discover optimistic concurrency control and pessimistic concurrency control. Implement Multilatency on the data side of things. Enhance the performance and/or scalability of Entity Framework Core Explore and overcome the pitfalls of Entity Framework Core In Detail Entity Framework is a highly recommended Object Relation Mapping tool used to build complex systems. In order to survive in this growing market, the knowledge of a framework that helps provide easy access to databases, that is, Entity Framework has become a necessity. This book will provide .NET developers with this knowledge and guide them through working efficiently with data using Entity Framework Core. You will start off by learning how to efficiently use Entity Framework in practical situations. You will gain a deep understanding of mapping properties and find out how to handle validation in Entity Framework. The book will then explain how to work with transactions and stored procedures along with improving Entity Framework using query libraries. Moving on, you will learn to improve complex query scenarios and implement transaction and concurrency control. You will then be taught to improve and develop Entity Framework in complex business scenarios. With the concluding chapter on performance and scalability, this book will get you ready to use Entity Framework proficiently. Style and approach Filled with rich code-based examples, this book takes a recipe-based approach that will teach .NET developers to improve their understanding of Entity

Framework and help them effortlessly apply this knowledge in everyday situations.

*Entity Framework 4 in Action* Simon and Schuster

The ASP.NET MVC 3 Framework is the latest evolution of Microsoft's ASP.NET web platform. It provides a high-productivity programming model that promotes cleaner code architecture, test-driven development, and powerful extensibility, combined with all the benefits of ASP.NET 4. In this third edition, the core model-view-controller (MVC) architectural concepts are not simply explained or discussed in isolation, but are demonstrated in action. You'll work through an extended tutorial to create a working e-commerce web application that combines ASP.NET MVC with the latest C# language features and unit-testing best practices. By gaining this invaluable, practical experience, you'll discover MVC's strengths and weaknesses for yourself—and put your best-learned theory into practice. The book's authors Steve Sanderson and Adam Freeman have both watched the growth of ASP.NET MVC since its first release. Steve is a well-known blogger on the MVC Framework and a member of the Microsoft Web Platform and Tools team. Adam started designing and building web applications 15 years ago and has been responsible for some of the world's largest and most ambitious projects. You can be sure you are in safe hands.

### ENTITY FRAMEWORK CORE IN ACTION, SECOND EDITION

Apress

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.

*Entity Framework Core in Action* "O'Reilly Media, Inc."

The practice of enterprise application development has benefited from the emergence of many new enabling technologies. Multi-tiered object-oriented platforms, such as Java and .NET, have become commonplace. These new tools and technologies are capable of building powerful applications, but they are not easily implemented. Common failures in enterprise applications often occur because their developers do not understand the architectural lessons that experienced object developers have learned. Patterns of Enterprise Application Architecture is written in direct response to the stiff challenges that face enterprise application developers. The author, noted object-oriented designer Martin Fowler, noticed that despite changes in technology--from Smalltalk to CORBA to Java to .NET--the same basic design ideas can be adapted and applied to solve common problems. With the help of an expert group of contributors, Martin distills over forty recurring solutions into patterns. The result is an indispensable handbook of solutions that are applicable to any enterprise application platform. This book is actually two books in one. The first section is a short tutorial on developing enterprise applications, which you can read from start to finish to understand the scope of the book's lessons. The next section, the bulk of the book, is a detailed reference to the patterns themselves. Each pattern provides usage and implementation information, as well as detailed code examples in Java or C#. The entire book is also richly illustrated with UML diagrams to further explain the concepts. Armed with this book, you will have the knowledge necessary to make important architectural decisions about building an enterprise application and the proven patterns for use when building them. The topics covered include · Dividing an enterprise application into layers · The major approaches to organizing business logic · An in-depth treatment of mapping between objects and relational databases · Using Model-View-Controller to organize a Web presentation · Handling concurrency for data that spans multiple transactions · Designing distributed object interfaces *Building Blazor WebAssembly Applications with gRPC* Microsoft Press Annotation Code first is an additional means of building a model to be used with the Entity Framework and is creating a lot of excitement in the .NET development community. The reader will begin with an overview of what code first is, why it was created, how it fits into the Entity Framework and when to use it over the alternatives.

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