Programming Entity Framework Code First Julia Lerman

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LINQ Pocket Reference - Joseph Albahari 2008-02-26
This guide has the detail needed to grasp Microsoft's new querying technology, and concise explanations to help users learn it quickly. For those already applying LINQ, the book serves as an on-the-job reference.
The PowerShell Conference Book - Mike Robbins 2018-09-12
This book is designed to be like a conference in a book where each chapter is written by a different author who is a subject matter expert on the topic covered in their chapter. Each chapter is also independent of the others so you can read one chapter, ten chapters, or all of them. You can start with the first chapter, the last one, or somewhere in-between and not miss out on anything related to that particular topic. This book is written for the intermediate to advanced audience. Prior experience with PowerShell is highly recommended.100% of the royalties from this book are donated to the PowerShell + DevOps Global Summit's OnRamp Scholarship Program. Learn more at PowerShellSummit.org.
.NET Core in Action - Dustin Metzgar 2018-07-12
Summary .NET Core in Action shows .NET developers how to build professional software applications with .NET Core. Learn how to convert existing .NET code to work on multiple platforms or how to start new projects with knowledge of the tools and capabilities of .NET Core. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology .NET Core is an open source framework that lets you write and run .NET applications on Linux and Mac, without giving up on Windows. Built for everything from lightweight web apps to industrial-strength distributed systems, it's perfect for deploying .NET servers to any cloud platform, including AWS and GCP. About the Book .NET Core in Action introduces you to cross-platform development with .NET Core. This hands-on guide concentrates on new Core features as you walk through familiar tasks like testing, logging, data access, and networking. As you go, you'll explore modern architectures like microservices and cloud data storage, along with practical matters like performance profi ling, localization, and signing assemblies. What's Inside Choosing the right tools Testing, profiling, and debugging Interacting with web services Converting existing projects to .NET Core Creating and using NuGet packages About the Reader All examples are in C#. About the Author Dustin Metzgar is a seasoned developer and architect involved in numerous .NET Core projects. Dustin works for Microsoft. Table of

Contents Why .NET Core? Building your first .NET Core applications How to build with .NET Core Unit testing with xUnit Working with relational databases Simplify data access with object-relational mappers Creating a microservice Debugging Performance and profiling Building world-ready applications Multiple frameworks and runtimes Preparing for release appendix A - Frameworks and runtimes appendix B - xUnit command-line options appendix C - What's in the .NET Standard Library? appendix D - NuGet cache locations

The Multi-Agent Transport Simulation MATSim - Andreas Horni 2016-08-10
The MATSim (Multi-Agent Transport Simulation) software project was started around 2006 with the goal of generating traffic and congestion patterns by following individual synthetic travelers through their daily or weekly activity programme. It has since then evolved from a collection of stand-alone C++ programs to an integrated Java-based framework which is publicly hosted, open-source available, automatically regression tested. It is currently used by about 40 groups throughout the world. This book takes stock of the current status. The first part of the book gives an introduction to the most important concepts, with the intention of enabling a potential user to set up and run basic simulations. The second part of the book describes how the basic functionality can be extended, for example by adding schedule-based public transit, electric or autonomous cars, paratransit, or within-day replanning. For each extension, the text provides pointers to the additional documentation and to the code base. It is also discussed how people with appropriate Java programming skills can write their own extensions, and plug them into the MATSim core. The project has started from the basic idea that traffic is a consequence of human behavior, and thus humans and their behavior should be the starting point of all modelling, and with the intuition that when simulations with 100 million particles are possible in computational physics, then behavior-oriented simulations with 10 million travelers should be possible in travel behavior research. The initial implementations thus combined concepts from computational physics and complex adaptive systems with concepts from travel behavior research. The third part of the book looks at theoretical concepts that are able to describe important aspects of the simulation system; for example, under certain conditions the code becomes a Monte Carlo engine sampling from a discrete choice model. Another important aspect is the interpretation of the MATSim score as utility in the microeconomic sense, opening up a connection to benefit cost analysis. Finally, the book collects use cases as they have been undertaken with MATSim. All current users of MATSim were invited to submit their work, and many followed with sometimes crisp and short and sometimes longer contributions, always with pointers to additional references. We hope that the book will become an invitation to explore, to build and to extend agent-based modeling of travel behavior from the stable and well tested core of MATSim documented here.

Entity Framework 4.0 Recipes - Larry Tenny 2010-07-30
Entity Framework 4.0 Recipes provides an exhaustive collection of ready-to-use code solutions for Entity Framework, Microsoft's vision for the future of data access. Entity Framework is a model-centric data access platform with an ocean of new concepts and patterns for developers to learn. With this book, you will learn the core concepts of Entity Framework through a broad range of clear and concise solutions to everyday data access tasks. Armed with this experience, you will be ready to dive deep into Entity Framework, experiment with new approaches, and develop ways to solve even the most difficult data access challenges. If you are a developer who likes to learn by example, then this is the right book for you. Gives ready-to-use, real-world recipes to help you with everyday tasks Provides guideposts for learning core concepts Maps out key landmarks for experimenting with your own solutions

Programming Entity Framework - Julia Lerman 2012
Shows how to perform set operations with the DbSet class, control change tracking, fix concurrency conflicts, and confirm changes made to data.

Programming Entity Framework - Julia Lerman 2009-01-29
If you use Entity Framework in Visual Studio 2008 and .NET 3.5, this is the book you want.

Programming Entity Framework, 1st Edition offers experienced developers a thorough introduction to Microsoft's core framework for modeling and interacting with data in .NET applications. This hands-on tour provides a deep understanding of Entity Framework's architecture and APIs, and explains how to use the framework in a variety of applications built with Visual Studio 2008 and .NET 3.5. From the Entity Data Model (EDM) and Object Services to EntityClient and the Metadata Workspace, this highly acclaimed first edition covers it all. Understand the core concepts you need to make the best use of the Entity Framework (EF) in your applications Learn to query your data, using either LINQ to Entities or Entity SQL Create Windows Forms, WPF, and ASP.NET applications Build ASMX web services and WCF services Use Object Services to work directly with your entity objects Delve into model customization, relationship management, change tracking, data concurrency, and more One important note: while many of the lessons from this book will continue to be valuable as you move to .NET 4, the thoroughly revised second edition of Programming Entity Framework (August 2010) specifically targets Visual Studio 2010 and .NET 4 -- where there have been many advancements and additions to the framework.

Beginning ASP.NET 3.5 in C# 2008 - Matthew MacDonald 2008-02-26
This book will follow the proven pattern of its previous .NET 2.0 and .NET 1.1 editions, teaching novice users how to use ASP.NET by gradually building their knowledge of the technology up in a pyramidal fashion chapter by chapter. Comprehensively revised for both ASP.NET 3.5 and the new C# 3.0 language this book presents the easiest path to ASP.NET 3.5 mastery. This is one of the first books introducing novices to this important new technology area, and is written specifically in their coding language of preference. The book is written by a proven and award winning .NET author that has been following the technology release cycle since its inception.

Killer Game Programming in Java - Andrew Davison 2005-05-20
Although the number of commercial Java games is still small compared to those written in C or C++, the market is expanding rapidly. Recent updates to Java make it faster and easier to create powerful gaming applications-particularly Java 3D-is fueling an explosive growth in Java games. Java games like Puzzle Pirates, Chrome, Star Wars Galaxies, Runescape, Alien Flux, Kingdom of Wars, Law and Order II, Roboforge, Tom Clancy's Politika, and scores of others have earned awards and become bestsellers.Java developers new to graphics and game programming, as well as game developers new to Java 3D, will find Killer Game Programming in Java invaluable. This new book is a practical introduction to the latest Java graphics and game programming technologies and techniques. It is the first book to thoroughly cover Java's 3D capabilities for all types of graphics and game development projects.Killer Game Programming in Java is a comprehensive guide to everything you need to know to program cool, testosterone-drenched Java games. It will give you reusable techniques to create everything from fast, full-screen action games to multiplayer 3D games. In addition to the most thorough coverage of Java 3D available, Killer Game Programming in Java also clearly details the older, better-known 2D APIs, 3D sprites, animated 3D sprites, first-person shooter programming, sound, fractals, and networked games. Killer Game Programming in Java is a must-have for anyone who wants to create adrenaline-fueled games in Java.

Pro ASP.NET Web API Security - Badrinarayanan Lakshmiraghavan 2013-05-13
ASP.NET Web API is a key part of ASP.NET MVC 4 and the platform of choice for building RESTful services that can be accessed by a wide range of devices. Everything from JavaScript libraries to RIA plugins, RFID readers to smart phones can consume your services using platform-agnostic HTTP. With such wide accessibility, securing your code effectively needs to be a top priority. You will quickly find that the WCF security protocols you're familiar with from .NET are less suitable than they once were in this new environment, proving themselves cumbersome and limited in terms of the standards they can work with. Fortunately, ASP.NET Web API provides a simple, robust security solution of its own that fits neatly within the ASP.NET MVC programming model and secures your code without the need for SOAP,

meaning that there is no limit to the range of devices that it can work with – if it can understand HTTP, then it can be secured by Web API. These SOAP-less security techniques are the focus of this book.

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

Entity Framework 4 in Action - Marco De Sanctis 2011-04-30
Summary Entity Framework 4 in Action is an example-rich tutorial for .NET developers with full coverage of EF 4 features. The book begins with a review of the core ideas behind the ORM model and shows through detailed examples and larger case studies how Entity Framework offers a smooth transition from a traditional ADO.NET approach. About the Technology Entity Framework builds on the ADO.NET persistence model and the language features of LINQ to

create a powerful persistence mechanism that bridges the gap between relational databases and object-oriented languages. About the Book Entity Framework 4 in Action is an example-rich tutorial that helps .NET developers learn and master the subject. It begins by explaining object/relational mapping and then shows how you can easily transition to EF from ADO.NET. Through numerous focused examples and two larger case studies, the book unfolds the EF story in a clear, easy-to-follow style. Infrastructure and inner workings of EF are discussed when you need them to understand a particular feature. This book is written for .NET developers. Knowledge of ADO.NET is helpful but not required. 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 Full coverage of EF 4 features Layer separation, Data Layer, and Domain Model Best practices Table of Contents PART 1 REDEFINING YOUR DATA-ACCESS STRATEGY Data access reloaded: Entity Framework Getting started with Entity Framework PART 2 GETTING STARTED WITH ENTITY FRAMEWORK Querying the object model: the basics Querying with LINQ to Entities Domain model mapping Understanding the entity lifecycle Persisting objects into the database Handling concurrency and transactions PART 3 MASTERING ENTITY FRAMEWORK An alternative way of querying: Entity SQL Working with stored procedures Working with functions and views Exploring EDM metadata Customizing code and the designer

ArchiMate® 3.0.1 Specification - The Open Group 2017-09-28
The ArchiMate® Specification, an Open Group Standard, defines an open and independent modeling language for Enterprise Architecture that is supported by different tool vendors and consulting firms. The ArchiMate language enables Enterprise Architects to describe, analyze, and visualize the relationships among business domains in an unambiguous way. This book is the official specification of the ArchiMate 3.0.1 modeling language from The Open Group. ArchiMate 3.0.1 is a minor update to ArchiMate 3.0, containing the set of corrections from ArchiMate 3.0 Technical Corrigendum No. 1 (U172). This addresses inconsistencies and

errors identified since the publication of Version 3.0 in June 2016.The ArchiMate Specification supports modeling throughout the TOGAF® Architecture Development Method (ADM). New features in Version 3 include elements for modeling the enterprise at a strategic level, such as capability, resource, and outcome. It also includes support to model the physical world of materials and equipment. Furthermore, the consistency and structure of the language have been improved, definitions have been aligned with other standards, and its usability has been enhanced in various other ways.The intended audience is threefold: • Enterprise Architecture practitioners, such as architects (e.g., business, application, information, process, infrastructure, and, obviously, enterprise architects), senior and operational management, project leaders, and anyone committed to work within the reference framework defined by the Enterprise Architecture. • Those who intend to implement the ArchiMate language in a software tool; they will find a complete and detailed description of the language in this book. • The academic community, on which we rely for amending and improving the language, based on state-of-the-art research results in the Enterprise Architecture field.

ASP.NET MVC with Entity Framework and CSS - Lee Naylor 2016-09-12
Get up and running quickly with Microsoft ASP.NET MVC and Entity Framework as you build and deploy complex websites. By using a fully working example retail website you will learn solutions to real-world issues that developers frequently encounter. Whether you are a novice developer or an experienced .NET developer wishing to learn more about MVC and Entity Framework, author Lee Naylor will teach you how to develop a detailed database-driven example website using Microsoft ASP.NET and Entity Framework Code First with fully explained code examples. What You Will Learn: • Get up and running quickly with ASP.NET MVC and Entity Framework to build a complex website to display and manage several related entities• Integrate identity code into a project• Understand advanced topics, including asynchronous database access and managing data conflicts• Work with Microsoft Azure, including remote debugging and database

access• Develop your CSS skills, including animations and media queries for use with tablet or mobile/cell phone devices Who This Book Is For: Novice developers new to the subject through to more experienced ASP.NET web forms developers looking to migrate from web forms to MVC and Entity Framework. The book assumes some programming knowledge such as object-oriented programming concepts and a basic knowledge of C#.

Head First JQuery - Ryan Benedetti 2011-09-21
Explains how to build complex scripting functionality with minimal coding, providing coverage of functions ranging from incorporating Ajax apps and overcoming the limits of HTML and CSS to building plug-ins and using animation. Original.

Social Media and Democracy - Nathaniel Persily 2020-09-03
Over the last five years, widespread concern about the effects of social media on democracy has led to an explosion in research from different disciplines and corners of academia. This book is the first of its kind to take stock of this emerging multi-disciplinary field by synthesizing what we know, identifying what we do not know and obstacles to future research, and charting a course for the future inquiry. Chapters by leading scholars cover major topics – from disinformation to hate speech to political advertising – and situate recent developments in the context of key policy questions. In addition, the book canvasses existing reform proposals in order to address widely perceived threats that social media poses to democracy. This title is also available as Open Access on Cambridge Core.

An Illustrated Guide to Pruning - Edward F. Gilman 2011-08-08
Well written and easy to understand, An ILLUSTRATED GUIDE TO PRUNING, Third Edition is filled with updated illustrations, photographs, and examples designed to help readers understand and implement the appropriate pruning practices that are vital to developing sustainable structure in the first 25 years of a tree's life. With coverage of numerous different tree species as well as information about the challenges associated with pruning such as disease prevention, root pruning, mature tree pruning, and restoration following storms,

students will be prepared to identify and understand good tree structure and pruning practices. Filled with simple tables, lists, and strategies, this completely updated guide to pruning makes it easy to teach the presented pruning techniques in accordance with nationally recognized ANSI A-300 standards. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

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 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

Exam Ref 70-483 Programming in C# (MCSD) - Wouter de Kort 2013-07-15
Prepare for Microsoft Exam 70-483–and help demonstrate your real-world mastery of programming in C#. Designed for experienced software developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Manage Program Flow Create and Use Types Debug Applications and Implement Security Implement Data Access This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

Pro Entity Framework 4.0 - Scott Klein 2010-04-29
The introduction of SQL Server 2005 began the process which has seen .NET become an integral part of the SQL Server database technology. SQL Server 2008 is the next evolutionary step in that story. Alongside the more traditional database enhancements in the new release, there is an increasing focus upon a greater and more challenging integration with .NET 3.5. This book shows how to take advantage of this tight integration and how developers and DBAs can manipulate data more easily than ever before.

Policies to Address Poverty in America - Melissa S. Kearney 2014-06-19
One-in-seven adults and one-in-five children in the United States live in poverty. Individuals and families living in poverty not only lack basic, material necessities, but they are also disproportionally afflicted by many social and economic challenges. Some of these challenges include the increased possibility of an unstable home situation, inadequate education opportunities at all levels, and a high chance of crime and victimization. Given this growing social, economic, and political concern, The Hamilton Project at Brookings asked academic experts to develop policy proposals confronting the various challenges of America's poorest citizens, and to introduce innovative approaches to addressing poverty. When combined, the scope and impact of these proposals has the potential to vastly improve the lives of the poor. The resulting 14 policy memos are included in The Hamilton Project's Policies to Address Poverty in America. The main areas of focus include promoting early childhood development, supporting disadvantaged youth, building worker skills, and improving safety net and work support.

Data Structures and Algorithms Using C# - Michael McMillan 2007-03-26
Michael McMillan discusses the implementation of data structures and algorithms from the .NET framework. The comprehensive text includes basic data structures and algorithms plus advanced algorithms such as probabilistic algorithms and dynamics programming.

Programming Entity Framework: Code First - Julia Lerman 2011-11-18
Take advantage of the Code First data modeling approach in ADO.NET Entity Framework, and learn how to build and configure a model based on existing classes in your business domain. With this concise book, you'll work hands-on with examples to learn how Code First can create an in-memory model and database by default, and how you can exert more control

over the model through further configuration. Code First provides an alternative to the database first and model first approaches to the Entity Data Model. Learn the benefits of defining your model with code, whether you're working with an existing database or building one from scratch. If you work with Visual Studio and understand database management basics, this book is for you. Learn exactly what Code First does—and does not—enable you to do Understand how property attributes, relationships, and database mappings are inferred from your classes by Code First Use Data Annotations and the Fluent API to configure the Code First data model Perform advanced techniques, such as controlling the database schema and overriding the default model caching This book is a continuation of author Julia Lerman's Programming Entity Framework, widely recognized as the leading book on the topic.

Revoked - Allison Frankel 2020
"[The report] finds that supervision -– probation and parole -– drives high numbers of people, disproportionately those who are Black and brown, right back to jail or prison, while in large part failing to help them get needed services and resources. In states examined in the report, people are often incarcerated for violating the rules of their supervision or for low-level crimes, and receive disproportionate punishment following proceedings that fail to adequately protect their fair trial rights."--Publisher website.

RESTful .NET - Jon Flanders 2008-11-21
RESTful .NET is the first book that teaches Windows developers to build RESTful web services using the latest Microsoft tools. Written by Windows Communication Foundation (WFC) expert Jon Flanders, this hands-on tutorial demonstrates how you can use WCF and other components of the .NET 3.5 Framework to build, deploy and use REST-based web services in a variety of application scenarios. RESTful architecture offers a simpler approach to building web services than SOAP, SOA, and the cumbersome WS- stack. And WCF has proven to be a flexible technology for building distributed systems not necessarily tied to WS- standards. RESTful .NET provides you with a complete guide to the WCF REST programming model for building web services consumed either by machines or humans. You'll learn how to: Program Read-Only (GET) services Program READ/WRITE services Host REST services Program REST feeds Program AJAX REST clients Secure REST endpoints Use workflow to deliver REST services Consume RESTful XML services using WCF Work with HTTP Work with ADO.NET Data Services (Astoria) RESTful .NET introduces you to the ideas of REST and RESTful architecture, and includes a detailed discussion of how the Web/REST model plugs into the WCF architecture. If you develop with .NET, it's time to jump on the RESTful bandwagon. This book explains how. "While REST is simple, WCF is not. To really understand and exploit this part of WCF requires a knowledgeable and experienced guide. I don't know anybody who's better suited for this role than Jon Flanders. ...Jon is first-rate at explaining complicated things. This book is the best introduction I've seen to creating and using these services with WCF."--David Chappell, Chappell & Associates

Exam Ref 70-487 Developing Windows Azure and Web Services (MCSD) - William Ryan 2013-11-15
Prepare for Microsoft Exam 70-487—and help demonstrate your real-world mastery of developing Windows Azure and web services. Designed for experienced developers ready to advance their status, Exam Ref focuses on the critical-thinking and decision-making acumen needed for success at the Microsoft Specialist level. Focus on the expertise measured by these objectives: Accessing data Querying and manipulating data by using the Entity Framework Designing and implementing WCF Services Creating and consuming Web API-based services Deploying web applications and services This Microsoft Exam Ref: Organizes its coverage by exam objectives. Features strategic, what-if scenarios to challenge you.

Practical Entity Framework - Brian L. Gorman 2020-08-19
Determine your object relational mapper (ORM) of choice for enterprise applications using .NET Framework, and especially .NET Framework Core 3.1 and higher. Real-world examples and considerations are presented in this book to help you create robust and efficient database solutions. Throughout the text, actual problems,

questions, and common pitfalls are provided to help you recognize optimal solutions for maximum success in the different application scenarios you might encounter. Practical Entity Framework begins with a simple overview of the two most common approaches to working with databases—database first and code first—and then focuses on working in a code first manner. Taking the code first approach allows the entire database to be built and maintained in code so there is never a situation in which you cannot restore the database schema. Additionally, the code first approach creates an entirely transparent record of changes to the database that is easily tracked in source control. Emphasis throughout the book is on leaving you well positioned to architect and lead data development efforts for your organization. What You Will Learn Build robust and maintainable databases using a code first approach Create and execute stored procedures, triggers, and functions Analyze and optimize performance of database queries Ensure data integrity through keys, constraints, and relationships Who This Book Is For .NET developers who work with enterprise-level applications and need to interact with data structures and data within the back end data store, developers who want to take a code first approach to building database applications to prevent conflicts and optimize efficiency, and those who are moving into full-stack roles, or into senior and architectural roles, and will be responsible for database design and implementation

Learning OpenCV 3 - Adrian Kaehler 2016-12-14
"This book provides a working guide to the C++ Open Source Computer Vision Library (OpenCV) version 3.x and gives a general background on the field of computer vision sufficient to help readers use OpenCV effectively."--Preface.
Murach's ADO.NET 4 Database Programming with C# 2010 - Anne Boehm 2011
Now in its 4th edition, this book shows C# developers how to use Visual Studio and ADO.NET to develop database applications the way the best professionals do. You will learn how to: quickly create Windows and web applications by dragging-and-dropping data controls in Visual Studio 2010; Code your own presentation, business, and database classes with ADO.NET 4

to build 3-layer applications . . . the route the professionals take for flexibility and control; Display and manipulate data in web applications by using ASP.NET data controls designed specifically for that purpose, like GridView and DetailsView work with XML-specific features of ADO.NET to read, write, and manipulate XML data in your applications; Use Visual Studio's Report Designer and ReportViewer control to create and display reports in both Windows and web applications; Use LINQ to SQL instead of standard SQL so you can query databases using C# constructs; Create Entity Data Models so you can use LINQ to Entities to work with business objects, like invoices, while the Entity Framework handles the database details. Practice exercises at the end of every chapter and complete database applications throughout help you master every skill along the way. And Murach's distinctive "paired-pages" format . . . where each skill is presented with examples and advice in a single 2-page spread . . . is great for both targeted learning and reference.
Beginning Entity Framework Core 5 - Eric Vogel 2021-03-17
Use the code-driven approach of Entity Framework Core 5 to build a functional web application that accesses a database on the backend server. This book covers the common use cases of Entity Framework that a developer needs to master in order to begin building applications that run against a database. Throughout the book you will be shown how to use Entity Framework Core 5 by implementing a simple ASP.NET Core Razor Pages line-of-business application. This example application will be similar to those you might write yourself and deploy to your users on a web or intranet site via a browser. This book takes a code-first approach in which your database will be created and seeded programmatically. You won't need to create the database through your database engine's interface. Instead, you will be shown how to define your data model in Entity Framework, and then let Entity Framework do the work of creating your database and schema for you. From there you will learn how to seed your database with example data, then to implement the common, so-called CRUD operations consisting of creating, retrieving, updating, and deleting rows of data. By the end

of the book you will have built a well-designed application that you can use as the basis for future applications that you create in your job. What You Will Learn Download and install Entity Framework Core 5 Perform create, read, update, and delete (CRUD) operations Create and seed a database with example data using Entity Framework Core 5 Incrementally add new database functionality through Entity Framework Core 5 migrations Recognize when to take advantage of new features introduced in Entity Framework Core 5 Deliver line-of-business applications using ASP.NET Core that run in a browser Who This Books Is For Developers who are familiar with C# and the .NET Framework who want to learn database access using Entity Framework Core 5. For developers creating web-based, line-of-business applications who want to create those applications more quickly and efficiently when databases are involved.

Murach's ASP.NET Core MVC - Joel Murach 2020-01-07
If you know the basics of C# and HTML/CSS, you're ready to learn how to build ASP.NET Core MVC web apps the way the professionals do. This book covers all the essentials: the MVC pattern, Bootstrap for responsive design, routing, Razor views, model binding, data validation, EF (Entity Framework) Core for database handling, dependency injection, xUnit and Moq for unit testing, Identity for authentication, and more. It gets you going right away with a subset of basic skills, then builds on those skills so you'll soon be developing real-world web apps. Along the way, you get dozens of practical coding examples that help you apply what you've just learned and show how all the parts work together. And when you're done, this book does double duty as the best on-the-job reference that money can buy.

Pro LINQ in VB8 - Joseph Rattz 2010-01-01
LINQ is the project name for a set of extensions to the .NET Framework that provide a generic approach to querying data from different data sources. LINQ made its debut in Visual Studio 2008, and became a must–have skill for .NET developers. For more information about LINQ, you can check out www.linqdev.com. Starting with code and ending with code and tailored for the VB language, Pro LINQ: Language

Integrated Query in VB 2008 is a veritable treasury of LINQ examples that will save you hours, even days, of research time. Keeping you focused on the relevant LINQ principles, expert author Joseph Rattz, Jr., and VB specialist Dennis Hayes provide examples for complex models that you won't find anywhere else. In most books, you'll find plenty of simple examples to demonstrate how to use a method, but authors rarely show how to use the more complex prototypes. Pro LINQ: Language Integrated Query in VB 2008 is different. Demonstrating the overwhelming majority of LINQ operators and protoypes, Joseph Rattz, Jr., and Dennis Hayes condense their extensive experience and expertise into a desk companion that is essential for any serious .NET professional. Rather than obscure the relevant LINQ principles in code examples by focusing on a demonstration application you have no interest in writing, this book cuts right to the chase of each LINQ operator, method, or class. However, where complexity is necessary to truly demonstrate an issue, the examples are right there in the thick of it. For example, code samples demonstrating how to handle concurrency conflicts actually create concurrency conflicts so you can step through the code and see them unfold. Most books tell you about the simple stuff, while few books warn you of the pitfalls. Where Pro LINQ: Language Integrated Query in VB 2008 returns your investment is in the hours, and sometimes days, spent by the authors determining why something may not work as expected. Sometimes this results in an innocent–looking paragraph that may take you a minute to read and understand, but took days to research and explain. Face it, most technical books while informative, are dull. LINQ need not be dull. Written with a sense of humor, this book will attempt to entertain you on your journey through the wonderland of LINQ and VB 2008.

C# 9 and .NET 5 – Modern Cross-Platform Development - Mark J. Price 2020-11-10
Publisher's Note: Microsoft will stop supporting .NET 5 in early May 2022. A new edition of this book is available that uses .NET 6 (an LTS release with support up until November 2024), C# 10, and Visual Studio 2022, as well as Visual Studio Code. Key Features • Explore the newest

additions to C# 9, the .NET 5 class library, Entity Framework Core and Blazor • Strengthen your command of ASP.NET Core 5.0 and create professional websites and services • Build cross-platform apps for Windows, macOS, Linux, iOS, and Android Book Description In C# 9 and .NET 5 – Modern Cross-Platform Development, Fifth Edition, expert teacher Mark J. Price gives you everything you need to start programming C# applications. This latest edition uses the popular Visual Studio Code editor to work across all major operating systems. It is fully updated and expanded with a new chapter on the Microsoft Blazor framework. The book's first part teaches the fundamentals of C#, including object-oriented programming and new C# 9 features such as top-level programs, target-typed new object instantiation, and immutable types using the record keyword. Part 2 covers the .NET APIs, for performing tasks like managing and querying data, monitoring and improving performance, and working with the file system, async streams, serialization, and encryption. Part 3 provides examples of cross-platform apps you can build and deploy, such as websites and services using ASP.NET Core or mobile apps using Xamarin.Forms. The best type of application for learning the C# language constructs and many of the .NET libraries is one that does not distract with unnecessary application code. For that reason, the C# and .NET topics covered in Chapters 1 to 13 feature console applications. In Chapters 14 to 20, having mastered the basics of the language and libraries, you will build practical applications using ASP.NET Core, Model-View-Controller (MVC), and Blazor. By the end of the book, you will have acquired the understanding and skills you need to use C# 9 and .NET 5 to create websites, services, and mobile apps. What you will learn • Build your own types with object-oriented programming • Query and manipulate data using LINQ • Build websites and services using ASP.NET Core 5 • Create intelligent apps using machine learning • Use Entity Framework Core and work with relational databases • Discover Windows app development using the Universal Windows Platform and XAML • Build rich web experiences using the Blazor framework • Build mobile applications for iOS and Android using Xamarin.Forms Who this book

is for This book is best for C# and .NET beginners, or programmers who have worked with C# in the past but feel left behind by the changes in the past few years. This book doesn't expect you to have any C# or .NET experience; however, you should have a general understanding of programming. Students and professionals with a science, technology, engineering, or mathematics (STEM) background can certainly benefit from this book. Table of Contents • Hello, C#! Welcome, .NET Core! • Speaking C# • Controlling Flow and Converting Types • Writing, Debugging, and Testing Functions • Building Your Own Types with Object-Oriented Programming • Implementing Interfaces and Inheriting Classes • Understanding and Packaging .NET Types • Working with Common .NET Types • Working with Files, Streams, and Serialization (N.B. Please use the Look Inside option to see further chapters) Review "Mark Price's extraordinary book covers every aspect of C# 9 and .NET 5. It is filled with step-by-step demonstrations and will be of tremendous value both to those who want to learn C# and to more experienced C# programmers making the transition to C# 9. Highly recommended!" -- Jesse Liberty - author of Programming C# and Learning C# (O'Reilly Media)

Programming Entity Framework - Julia Lerman 2011-11-25
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.

Localization Algorithms and Strategies for Wireless Sensor Networks: Monitoring and Surveillance Techniques for Target Tracking - Mao, Guoqiang 2009-05-31
Wireless localization techniques are an area that has attracted interest from both industry and academia, with self-localization capability providing a highly desirable characteristic of wireless sensor networks. Localization Algorithms and Strategies for Wireless Sensor Networks encompasses the significant and fast growing area of wireless localization techniques.

This book provides comprehensive and up-to-date coverage of topics and fundamental theories underpinning measurement techniques and localization algorithms. A useful compilation for academicians, researchers, and practitioners, this Premier Reference Source contains relevant references and the latest studies emerging out of the wireless sensor network field.

Pro LINQ - Joseph Rattz 2010-12-28
LINQ is the part of the .NET Framework that provides a generic approach to querying data from different data sources. It has quickly become the next must-have skill for .NET developers. Pro LINQ: Language Integrated Query in C# 2010 is all about code. Literally, this book starts with code and ends with code. Most books show the simplest examples of how to use a method, but they so rarely show how to use the more complex prototypes. This book is different. Demonstrating the overwhelming majority of LINQ operators and prototypes, it is a veritable treasury of LINQ examples. Rather than obscure the relevant LINQ principles in code examples by focusing on a demonstration application you have no interest in writing, this book cuts right to the chase of each LINQ operator, method, or class. However, where complexity is necessary to truly demonstrate an issue, the examples are right there in the thick of it. For example, code samples demonstrating how to handle concurrency conflicts actually create concurrency conflicts so you can step through the code and see them unfold. Face it, most technical books, while informative, are dull. LINQ need not be dull. Written with a sense of humor, this book will attempt to entertain you on your journey through the wonderland of LINQ and C# 2010.

Pro ADO.NET 2.0 - Nick Malik 2007-02-16
* Provides compact coverage of new ADO.NET features and use of cutting edge tools, such as Visual Studio .NET 2005. * Content and examples take practical focus as opposed to a theoretical, academic treatment. * Heavily trimmed content eliminates information the reader won't find useful very often.

Natural Language Processing with Python - Steven Bird 2009-06-12
This book offers a highly accessible introduction to natural language processing, the field that supports a variety of language technologies, from predictive text and email filtering to automatic summarization and translation. With it, you'll learn how to write Python programs that work with large collections of unstructured text. You'll access richly annotated datasets using a comprehensive range of linguistic data structures, and you'll understand the main algorithms for analyzing the content and structure of written communication. Packed with examples and exercises, Natural Language Processing with Python will help you: Extract information from unstructured text, either to guess the topic or identify "named entities" Analyze linguistic structure in text, including parsing and semantic analysis Access popular linguistic databases, including WordNet and treebanks Integrate techniques drawn from fields as diverse as linguistics and artificial intelligence This book will help you gain practical skills in natural language processing using the Python programming language and the Natural Language Toolkit (NLTK) open source library. If you're interested in developing web applications, analyzing multilingual news sources, or documenting endangered languages -- or if you're simply curious to have a programmer's perspective on how human language works -- you'll find Natural Language Processing with Python both fascinating and immensely useful.

Entity Framework Core in Action - Jon Smith 2018-07-15
Summary Entity Framework Core in Action teaches you how to access and update relational data from .NET applications. Following the crystal-clear explanations, real-world examples, and around 100 diagrams, you'll discover time-saving patterns and best practices for security, performance tuning, and unit testing. Purchase of the print book includes a free eBook in PDF, Kindle, and ePub formats from Manning Publications. About the Technology There's a mismatch in the way OO programs and relational databases represent data. Entity Framework is an object-relational mapper (ORM) that bridges this gap, making it radically easier to query and write to databases from a .NET application. EF creates a data model that matches the structure of your OO code so you can query and write to your database using standard LINQ commands. It will even automatically generate the model

from your database schema. About the Book Using crystal-clear explanations, real-world examples, and around 100 diagrams, Entity Framework Core in Action teaches you how to access and update relational data from .NET applications. You'l start with a clear breakdown of Entity Framework, long with the mental model behind ORM. Then you'll discover time-saving patterns and best practices for security, performance tuning, and even unit testing. As you go, you'll address common data access challenges and learn how to handle them with Entity Framework. What's Inside Querying a relational database with LINQ Using EF Core in business logic Integrating EF with existing C# applications Applying domain-driven design to EF Core Getting the best performance out of EF Core Covers EF Core 2.0 and 2.1 About the Reader For .NET developers with some awareness of how relational databases work. About the Author Jon P Smith is a full-stack developer with special focus on .NET Core and Azure. Table of Contents Part 1 - Getting started Introduction to Entity FrameworkCore Querying the database Changing the database content Using EF Core in business logic Using EF Core in ASP.NET Core web applications Part 2 - Entity Framework in depth Configuring nonrelational properties Configuring relationships Configuring advanced features and handling concurrency conflicts Going deeper into the DbContext Part 3 - Using Entity Framework Core in real-world applications Useful software patterns for EF Core applications Handling database migrations EF Core performance tuning A worked example of performance tuning Different database types and EF Core services Unit testing EF Core applications Appendix A - A brief introduction to LINQ Appendix B - Early information on EF Core version 2.1

MICROSOFT ADO.NET ENTITY FRAMEWORK STEP BY STEP. - JOHN PAUL. MULLER 2016