Professional Ado Net 3 5 With Linq And The Entity Framework

Professional ADO.NET 3.5 with LINQ and the Entity FrameworkProfessional ADO.NET 3.5 with LINQ and the Entity FrameworkBeginning ASP.NET MVC 1.0LINQ in ActionProfessional C# 7 and .NET Core 2.0Microsoft Visual Studio 2008 ProgrammingIntroducing Microsoft LINQLINQ: The Future of Data Access in C# 3.0Windows Azure and ASP.NET MVC MigrationASP.NET 4.0 ProgrammingSilverlight 4C# 6 for ProgrammersEssential LINQEssential LINQProfessional SharePoint 2010 DevelopmentProfessional LINQReal-World Functional ProgrammingLINQ to Objects Using C# 4.0C# 3.0 THE COMPLETE REFERENCE 3/EProfessional Mobile Application Development Roger Jennings Roger Jennings Simone Chiaretta Fabrice Marguerie Christian Nagel Jamie Plenderleith Paolo Pialorsi Joe Hummel Benjamin Perkins Joydip Kanjilal Nick Lecrenski Paul Deitel Charlie Calvert Charles Calvert Thomas Rizzo Scott Klein Tomas Petricek Troy Magennis Herbert Schildt Jeff McWherter Professional ADO.NET 3.5 with LINQ and the Entity Framework Professional ADO.NET 3.5 with LINQ and the Entity Framework Beginning ASP.NET MVC 1.0 LINQ in Action Professional C# 7 and .NET Core 2.0 Microsoft Visual Studio 2008 Programming Introducing Microsoft LINQ LINQ: The Future of Data Access in C# 3.0 Windows Azure and ASP.NET MVC Migration ASP.NET 4.0 Programming Silverlight 4 C# 6 for Programmers Essential LINQ Essential LINQ Professional SharePoint 2010 Development Professional LINQ Real-World Functional Programming LINQ to Objects Using C# 4.0 C# 3.0 THE COMPLETE REFERENCE 3/E Professional Mobile Application Development *Roger Jennings Roger Jennings Simone Chiaretta Fabrice Marguerie Christian Nagel Jamie Plenderleith Paolo Pialorsi Joe Hummel Benjamin Perkins Joydip Kanjilal Nick Lecrenski Paul Deitel Charlie Calvert Charles Calvert Thomas Rizzo Scott Klein Tomas Petricek Troy Magennis Herbert Schildt Jeff McWherter*

language integrated query linq as well as the c 3 0 and vb 9 0 language extensions to support it is the most import single new feature of visual studio 2008 and the net framework 3 x linq is microsoft s first attempt to define a universal query language for a diverse set of in memory collections of generic objects entities persisted in relational database tables and element and attributes of xml documents or fragments as well as a wide variety of other data types such as rss and atom syndication feeds microsoft invested millions of dollars in anders hejlsberg and his c design and development groups to add new features to c 3 0 such as lambda expressions anonymous types and extension methods specifically to support linq standard query operators sqos and query expressions as a part of the language itself corresponding additions to vb 9 0 followed the c team s lead but vb s implementation of linq to xml offers a remarkable new addition to the language xml literals vb s linq to xml implementation includes xml literals which treat well formed xml documents or fragments as part of the vb language rather than requiring translation of element and attribute names and values from strings to xml dom nodes and values this

book concentrates on hands on development of practical windows and applications that demonstrate c and vb programming techniques to bring you up to speed on linq technologies the first half of the book covers linq standard query operators sqos and the concrete implementations of linq for querying collections that implement generic ienumerable iqueryable or both interfaces the second half is devoted to the ado net entity framework entity data model entity sql esql and linq to entities most code examples emulate real world data sources such as the northwind sample database running on sql server 2005 or 2008 express edition and collections derived from its tables code examples are c and vb windows form or site application projects not except in the first chapter simple command line projects you can t gain a feel for the behavior or performance of linq queries with hello world projects that process arrays of a few integers or a few first and last names this book is intended for experienced net developers using c or vb who want to gain the maximum advantage from the query processing capabilities of linq implementations in visual studio 2008 linq to objects linq to sql linq to datasets and linq to xml as well as the object relational mapping o rm features of vs 2008 sp1 s entity framework entity data model and linq to entities and the increasing number of open source linq implementations by third party developers basic familiarity with generics and other language features introduced by net 2 0 the visual studio integrated development environment ide and relational database management systems rdbmss especially microsoft sql server 200x is assumed experience with sql server s transact sql t sql query language and stored procedures will be helpful but is not required proficiency with vs 2005 net 2 0 c 2 0 or vb 8 0 will aid your initial understanding of the book s c 3 0 or vb 9 0 code samples but isn t a prerequisite microsoft s net code samples are primarily written in c all code samples in this book s chapters and sample projects have c and vb versions unless they re written in t sql or javascript professional ado net 3 5 linq and the entity framework concentrates on programming the system linq and system linq expressions namespaces for linq to objects system data linq for linq to sql system data linq for linq to dataset system xml linq for linq to xml and system data entity and system entity for ef s entity sql taking a new approach to data access in ado net 3 5 uses simple c and vb code examples to demonstrate linq to objects queries against in memory objects and databinding with linq populated generic list collections object relational mapping o rm with linq to sql joining datatables with linq to datasets creating entitysets with linq to entities querying and manipulating xml infosets with linq to xml and performing queries against strongly typed xml documents with linq to xsd understanding linq architecture and implementation begins with the namespaces and c and vb language extensions to support linq linq standard query operators sqos expression trees and compiled queries and a preview of domain specific implementations c and vb sample projects demonstrate object array and collection initializers extension methods anonymous types predicates lambda expressions and simple query expressions executing linq query expressions with linq to objects classifies the 50 sqos into operator groups restriction projection partitioning join concatenation ordering grouping set conversion and equality and then lists their keywords in c and vb vs 2008 sp1 includes c and vb versions of the linq project sample query explorer but the two explorers don t use real world collections as data sources this describes a linq in memory object generator limog utility program that writes c 3 0 or vb 9 0 class declarations for representative business objects that are more complex than those used by the linq project sample query explorers sample c and vb queries with these business objects as data sources are more expressive than those using a arrays of a few integers or last names working with advanced query operators and expressions introduces linq queries against object graphs with entities that have related associated entities this begins with examples of aggregate operators explains use of the let temporary local variable operator shows you how to use group by with aggregate queries conduct the equivalent of left outer joins and

take advantage of the contains sqo to emulate sql s in function you learn how to compile queries for improved performance and create mock object classes for testing without the overhead of queries against relational persistence stores using linq to sql and the linqdatasource introduces linq to sql as microsoft s first o rm tool to reach released products status and shows you how to autogenerate class files for entity types with the graphical o r designer or command line sqlmetal exe this also explains how to edit dbml mapping files in the designer or xml editor instantiate datacontext objects and use linq to sql as a data access layer dal with t sql queries or stored procedures closes with a tutorial for using the asp net linqdatasource control with sites or applications querying datatables with linq to datasets begins with a comparison of dataset and datacontext objects and features followed by a description of the datasetextensions next comes querying untyped and typed datasets creating lookup lists and generating linqdataviews for databinding with the asdataview method this ends with a tutorial that shows you how to copy linq query results to datatables manipulating documents with linq to xml describes one of linq most powerful capabilities managing xml infosets this demonstrates that linq to xml has query and navigation capabilities that equal or surpasses xquery 1 0 and xpath 2 0 it also shows linq to xml document transformation can replace xquery and xslt 1 0 in the majority of common use cases you learn how to use vb 9 0 s xml literals to constructs xml documents use groupjoin to produce hierarchical documents and work with xml namespaces in c and vb exploring third party and emerging linq implementations describes microsoft s parallel linq also called plinq for taking advantage of multiple cpu cores in linq to objects queries linq to rest for translating linq queries into representational state transfer urls that define requests to a service with the html get post put and delete methods and bart de smet s linq to active directory and linq to sharepoint third party implementations raising the level of data abstraction with the entity data model starts with a guided tour of the development of edm and ef as an o rm tool and heir apparent to ado net datasets provides a brief description of the entity relationship e r data model and diagrams and then delivers a detailed analysis of ef architecture next comes an introduction to the entity sql esql language esql queries client views and object services including the objectcontext metadataworkspace and objectstatemanager later chapters describe esql and these objects in greater detail two c and vb sample projects expand on the esql query and object services sample code defining conceptual mapping and storage schema layers provides detailed insight into the structure of the edmx file that generates the ssdl storage schema data language msl mapping schema language and csdl files at runtime you learn how to edit the edmx file manually to accommodate modifications that the graphic edm designer can t handle you learn how to implement the table per hierarchy tph inheritance model and traverse the metadataworkspace to obtain property values four c and vb sample projects demonstrate mapping substituting stored procedures for queries and tph inheritance introducing entity sql examines ef s new esql dialect that adds keywords to address the differences between querying entities and relational tables you learn to use zlatko michaelov s eblast utility to write and analyze esql queries then dig into differences between esql and t sql select queries esql v1 doesn t support insert update delete and other sql data manipulation language constructs you execute esql queries against the entityclient measure the performance hit of esql compared to t sql execute parameterize esql queries and use sql server compact 3 5 as a data store c and vb sample projects demonstrate the programming techniques taking advantage of object services and linq to entities concentrates manipulating the object services api s objectcontext it continues with demonstrating use of partial classes for the modelnameentities and entityname objects executing esql objectquerys and deferred or eager loading of associated entities including ordering and filtering the associated entities also covers instructions for composing querybuilder methods for objectquerys linq to entities

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asp net mvc model view framework allows you to use ready to use mvc code so you can develop applications faster this book s cut to the chase approach gets you up to speed on the new asp net mvc without getting bogging you down in learning or re learning asp net itself you ll receive straightforward instruction on concepts backed by real world case studies and examples that offer practical solutions topics include test driven development and unit testing the principles of the mvc pattern how to implement it how to move from traditional asp net webforms to asp net mvc and much more

linq language integrated query is a new extension to the visual basic and c programming languages designed to simplify data queries and database interaction this comprehensive fast paced guide serves as a multi purpose tutorial for professional developers

the professional s guide to c 7 with expert guidance on the newest features professional c 7 and net core 2 0 provides experienced programmers with the information they need to work effectively with the world s leading programming language the latest c update added many new features that help you get more done in less time and this book is your ideal guide for getting up to speed quickly c 7 focuses on data consumption code simplification and performance with new support for local functions tuple types record types pattern matching non nullable reference types immutable types and better support for variables improvements to visual studio will bring significant changes to the way c developers interact with the space bringing net to non microsoft platforms and incorporating tools from other platforms like docker gulp and npm guided by a leading net expert and steeped in real world practicality this guide is designed to get you up to date and back to work with microsoft speeding up its release cadence while offering more significant improvement with each update it has never been more important to get a handle on new tools and features quickly this book is designed to do just that and more everything you need to know about c is right here in the single volume resource on every developer s shelf tour the many new and enhanced features packed into c 7 and net core 2 0 learn how the latest visual studio update makes developers jobs easier streamline your workflow with a new focus on code simplification and performance enhancement delve into improvements made for localization networking diagnostics deployments and more whether you re entirely new to c or just transitioning to c 7 having a solid grasp of the latest features allows you to exploit the language s full functionality to create robust high quality apps professional c 7 and net core 2 0 is the one stop guide to everything you need to know

take your microsoft visual studio 2008 programming skills to the top tier a must read for experienced developers who want to dive deeply into visual studio 2008 the authors provide practical guidance combined with real world applicability the best of visual studio 2008

uncovered buy this book michelle clarke program manager microsoft ireland maximize every powerful programming feature available in visual studio 2008 with expert instruction from two microsoft mvps through clear explanations and real world code samples microsoft visual studio 2008 programming reveals how to develop innovative high performance applications with c and vb net learn how to deploy ado net and wcf services incorporate xml and ajax scripts build hack resistant code and much more the latest security tools visualizers and debuggers are also covered in detail work with winforms javascript and windows services use extension methods partial classes and xml literals handle database transactions with xslt ado net and linq build mobile ready and offline applications using sync services manage active directory and internet information services from code defend against sql injection and cross site scripting attacks learn from secure code guru michael howard how to take advantage of the security defenses in visual c construct setup packages using clickonce and windows installer cut development time using visual studio team system and wpf

get a head start on using the microsoft language integrated query linq project with advance insights from two experienced developers data rich applications can be difficult to create because of the tremendous differences between query languages used to access data and programming languages commonly used to write applications this practical guide introduces linq a set of extensions to the microsoft visual c and microsoft visual basic programming languages instead of traversing different language syntaxes required for accessing data from relational and hierarchical data sources developers will learn how to write queries natively in c or visual basic written by two experienced developers with strong ties to microsoft s developer teams this book introduces the linq architecture and classes describes the new language features in both c and visual basic and provides code samples in both languages

language integrated query linq is microsoft s new technology for powerful general purpose data access this technology provides a fully integrated query language available in both c 3 0 and vb 9 0 for high level data access against objects relational databases and xml documents in this short cut you ll learn about linq and the proposed c 3 0 extensions that support it you ll also see how you can use linq and c to accomplish a variety of tasks from querying objects to accessing relational data and xml best of all you ll be able to test the examples and run your own code using the latest linq ctp available free from microsoft this short cut includes a complete reference to the standard linq query operators

this book explains some of the new capabilities and walks you through a real world migration of an asp net 2 0 ado net website hosted on windows server 2003 using iis 6 to an asp net mvc orm nhibernate website hosted on windows azure

the new features in asp net 3 5 make it easier than ever to build standards based next generation websites foreword by scott barnes microsoft corporation author frequently speaks at industry conferences

a hands on guide to microsoft s latest rich application development technology silverlight 4 silverlight 4 is the newest version of the rich internet application toolkit that provides support for net capabilities over the internet with this latest release of silverlight microsoft has

revolutionized the way that applications can be created this book uses the popular problem design solution strategy to demonstrate how to harness the power and abilities of silverlight 4 to add value to the overall user experience of a site using a site created by the author as a reference point you ll go through the steps of creating a live fully functional application for the using silverlight 4 and the silverlight control toolkit along the way the book addresses important design considerations such as the use of services and the sql server database uses the popular problem design solution format show you how to harness the power of the latest version of silverlight microsoft s rich internet application toolkit puts the author s own site to task as you learn to create rich user interfaces that integrate video html and social networking components explains system linking and data flow end user interface system architecture based on silverlight 4 and net 4 and more includes coverage on integrating social networking and facebook with this book you ll quickly get started using the new features of silverlight 4 to enhance the user experience of a site note cd rom dvd and other supplementary materials are not included as part of ebook file

this is the ebook of the printed book and may not include any media website access codes or print supplements that may come packaged with the bound book the professional programmer s deitel guide to c 6 and object oriented development for windows written for programmers with a background in high level language programming c 6 for programmers applies the deitel signature live code approach to teaching programming and explores microsoft s c 6 and net in depth concepts are presented in the context of 170 fully coded and tested apps complete with syntax shading code highlighting code walkthroughs program outputs and hundreds of savvy software development tips start with an introduction to c using an early classes and objects approach then rapidly move on to more advanced topics including linq asynchronous programming with async and await and more you ll enjoy the treatment of object oriented programming and an object oriented design uml atm case study including a complete c implementation when you ve mastered the book you ll be ready to start building industrial strength object oriented c apps paul deitel and harvey deitel are the founders of deitel associates inc the internationally recognized programming languages authoring and corporate training organization millions of people worldwide have used deitel textbooks professional books livelessonstm video products e books resource centers and reveltm interactive multimedia courses with integrated labs and assessment to master major programming languages and platforms including c c c javatm androidtm app development ios app development swifttm visual basic pythontm and internet and web programming features use with windows 7 8 or 10 integrated coverage of new c 6 functionality string interpolation expression bodied methods and properties auto implemented property initializers getter only properties nameof null conditional operator exception filters and more entertaining and challenging code examples deep treatment of classes objects inheritance polymorphism and interfaces generics linq and generic collections plinq parallel linq for multicore performance asynchronous programming with async and await functional programming with lambdas delegates and immutability files relational database with linq to entities object oriented design atm case study with full code implementation emphasis on performance and software engineering principles

charlie and dinesh bring important skills to this project that enable them to show how linq works and the practical ways you can use it in your daily development process from the foreword by anders hejlsberg linq is one of microsoft s most exciting powerful new development

technologies essential linq is the first linq book written by leading members of microsoft s linq and c teams writing for architects developers and development managers these microsoft insiders share their intimate understanding of linq revealing new patterns and best practices for getting the most out of it calvert and kulkarni begin by clearly explaining how linq resolves the long time impedance mismatch between object oriented code and relational databases next they show how linq integrates querying into c as a first class citizen using realistic code examples they show how linq provides a strongly typed intellisense aware technology for working with data from any source including sql databases xml files and generic data structures calvert and kulkarni carefully explain linq s transformative composable and declarative capabilities by fully illuminating these three concepts the authors allow developers to discover linq s full power in addition to covering core concepts and hands on linq development in c with linq to objects linq to xml linq to sql and linq to entities they also present advanced topics and new linq implementations developed by the linq community this book explains the entire lifecycle of a linq project design development debugging and much more teaches linq from both a practical and theoretical perspective leverages c language features that simplify linq development offers developers powerful linq query expressions to perform virtually any data related task teaches how to query sql databases for objects and how to modify those objects demonstrates effective use stored procedures and database functions with linq shows how to add business logic that reflects the specific requirements of your organization teaches developers to create query and transform xml data with linq shows how to transform object relational and xml data between each other offers best patterns and practices for writing robust easy to maintain linq code

updated guidance on how to take advantage of the newest features of sharepoint programmability more than simply a portal sharepoint is microsoft s popular content management solution for building intranets and websites or hosting wikis and blogs offering broad coverage on all aspects of development for the sharepoint platform this comprehensive book shows you exactly what sharepoint does how to build solutions and what features are accessible within sharepoint written by a team of sharepoint experts this new edition offers an extensive selection of field tested best practices that shows you how to leverage the vast power of this multi faceted tool to build custom workflow and content management applications plus you ll discover how to take advantage of the new features to roll out new sharepoint sites or upgrade existing sites keeps you thoroughly up to date on all the most recent changes to sharepoint 2010 reveals broad and deep coverage of social media features content management applications enterprise search business connectivity services user experience development and custom workflow examines sharepoint server 2010 vs sharepoint foundation server highlights ways you can take advantage of improvements to offline and mobile client capabilities improvements to sql server table support cloud based offerings with azure integration social networking additions and more professional sharepoint 2010 development second edition presents you with authoritative coverage on all aspects of development for the sharepoint platform

professional linq introduces experienced programmers and database developers to linq database queries in their native vb and c languages some of the topics covered include linq queries linq and the standard query operators programming with xlinq querying xml with xlinq mixing xml and other data models dlinq and queries linq over datasets interoperating with ado net linq and asp net

real world functional programming is a unique tutorial that explores the functional programming model through the f and c languages

your complete example rich guide to using and extending linq to objects and plinq using linq to objects net developers can write queries over object collections with the same deep functionality that was once available only with sql and relational databases now for the first time developers have a comprehensive and authoritative guide to applying linq to objects in real world software microsoft mvp troy magennis introduces state of the art techniques for working with in memory collections more elegantly and efficiently and writing code that is exceptionally powerful robust and flexible drawing on his unsurpassed experience coding software using linq and hosting the popular hookedonlinq com site magennis presents timely realistic solutions to a wide spectrum of development challenges such as combining data from multiple sources and achieving optimal performance with extremely large sets of data you ll begin with brief quick starts that walk you through linq to objects key features and query syntax next you ll drill down to detailed techniques for applying and extending these features with c 4 0 and c 3 0 including code examples that reflect the realities of production development coverage includes writing basic linq queries with c filtering projecting and sorting data from in memory collections mastering advanced techniques for grouping and joining data and understanding the performance implications of each technique taking full advantage of linq s standard query operators creating custom query operators that follow best practices for coding patterns and error handling writing more fluent readable linq queries with c 4 0 s language enhancements including the new dynamic features combining linq with com interop to access data sources such as microsoft excel using parallel linq to objects plinq to optimize queries for multi core processors and how to build custom parallel query operators integrating the best linq to objects patterns into your day to day coding

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create applications for all major smartphone platforms creating applications for the myriad versions and varieties of mobile phone platforms on the market can be daunting to even the most seasoned developer this authoritative guide is written in such as way that it

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