

Creating and Configuring Data Models from Your Classes

Programming Entity Framework

Code First



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Julia Lerman & Rowan Miller

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Programming Entity Framework: Code First Julia Lerman, Rowan Miller, 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

Programming Entity Framework: DbContext Julia Lerman, Rowan Miller, 2012-02-23 The DbContext API captures Entity Framework s EF most commonly used features and tasks simplifying development with EF This concise book shows you how to use the API to perform set operations with the DbSet class handle change tracking and resolve concurrency conflicts with the Change Tracker API and validate changes to your data with the Validation API With DbContext you ll be able to query and update data whether you re working with individual objects or graphs of objects and their related data You ll find numerous C code samples to help you get started All you need is experience with Visual Studio and database management basics Use EF s query capabilities to retrieve data and use LINQ to sort and filter data Learn how to add new data and change and delete existing data Use the Change Tracker API to access information EF keeps about the state of entity instances Control change tracking information of entities in disconnected scenarios including NTier applications Validate data changes before they re sent to the database and set up validation rules Bypass EF s query pipeline and interact directly with the database

Bridge Maintenance, Safety, Management and Life Extension Airon Chen, Dan Frangopol, Xin Ruan, 2014-05-27 Bridge Maintenance Safety Management and Life Extension contains the lectures and papers presented at IABMAS 2014 the Seventh International Conference on Bridge Maintenance Safety and Management IABMAS 2014 held in Shanghai China July 7 11 2014 This set consists of a book of abstracts and a DVD containing the full papers of 396 contributions presented at IABMAS 2014 including the T Y Lin Lecture nine Keynote Lectures and 386 technical papers from about 40 countries All major aspects of bridge maintenance safety management and life extension are addressed including advanced materials aging of bridges assessment and evaluation bridge codes bridge diagnostics bridge management systems damage identification design for durability deterioration modeling earthquake and accidental loadings fatigue field testing health

monitoring load models life cycle assessment maintenance strategies non destructive testing prediction of future traffic demands repair and replacement residual service life safety and serviceability service life prediction and sustainable bridges among others This set provides an up to date overview of the field of bridge engineering as well as the recent significant contributions to the process of making rational decisions in bridge maintenance safety management sustainability monitoring long life strategy and resources optimization deployment for the purpose of enhancing the welfare of society It will serve as a valuable reference to all concerned with bridge structure and infrastructure systems including students researchers engineers consultants and contractors from all areas of bridge engineering

Microsoft Visual Studio 2010 Unleashed Mike Snell,Lars Powers,2010-08-04 This end to end deep dive into Microsoft Visual Studio 2010 Professional will help working developers squeeze maximum productivity out of Visual Studio 2010 s extraordinarily rich toolbox whether they are writing code for the Web Windows Silverlight or Microsoft s Azure cloud computing environment The authors combine authoritative and detailed information about Microsoft s latest IDE with extensive insights and best practices drawn from decades of development experience Developers will learn how to use Visual Studio 2010 Professional to take full advantage of the entire NET platform including Windows Presentation Foundation WPF for rich client development Windows Communication Foundation WCF for building dynamic service oriented solutions and Windows Workflow Foundation WF for structured programming around business processes The authors also present extensive new coverage of Microsoft s powerful new tools for unit testing application instrumentation and code analysis By focusing entirely on Visual Studio 2010 Professional the authors have gone deeper into Microsoft s core product than ever before Throughout their focus is relentlessly practical how to apply Microsoft s tools to build better software faster Detailed information on how to Work with solutions projects browsers explorers editors and designers Write better macros add ins and wizards Save more time with Visual Studio 2010 s updated productivity tools Instrument analyze and test your software Refactor code for greater robustness maintainability and performance Share code with team members and the larger community Write powerful ASP NET ASP NET MVC and Silverlight web applications Implement robust service oriented architecture SOA based applications Efficiently consume services with WCF Write advanced Windows applications with Windows Forms and WPF Construct data centric applications with LINQ and Entity Framework Create and host workflow based applications with WF Write applications for the Azure cloud Extend Visual Studio with the new Managed Extensibility Framework MEF and the Automation Object Model Build better object oriented VB or C software and use new dynamic language features

Beginning ASP.NET 4.5: in C# and VB Imar Spaanjaars,2012-11-05 The ultimate programming guide to ASP NET 4 5 by popular author and Microsoft MVP Imar Spaanjaars Updated for ASP NET 4 5 this introductory book is filled with helpful examples and contains a user friendly step by step format Written by popular author and Microsoft ASP NET MVP Imar Spaanjaars this book walks you through ASP NET Microsoft s technology for building dynamically generated web pages This edition retains the highly accessible

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and expanded second edition of Book provides a user friendly introduction to the subject Taking a clear structural framework it guides the reader through the subject s core elements A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts This succinct and enlightening overview is a required reading for all those interested in the subject We hope you find this book useful in shaping your future career Business

Entity Framework Tutorial Joydip Kanjilal,2015-08-24 A comprehensive guide to the Entity Framework with insight into its latest features and optimizations for responsive data access in your projects About This Book Create Entity data models from your database and use them in your applications Learn about the Entity Client data provider and write statements in Entity SQL to perform CRUD operations Explore ADO NET Data Services and how they work with the Entity Framework Who This Book Is For If you are a C developer who wants to learn a new way of querying data and utilizing it in applications efficiently for data binding or other operations then this book is for you Basic knowledge of ADO NET is assumed What You Will Learn Explore the features of the ADO NET Entity Framework Understand the concepts of entities and their relationships Create an Entity Data Model using the ADO NET Entity Data Model Designer and the EdmGen tool Extend existing Entity Types to create your own Entity Types Write programs against the Entity Data Model to perform CRUD operations Discover ADO NET Data Services and learn how they can be used with the Entity Framework Familiarize yourself with WCF Data Services formerly ADO NET Data Services Apply Code First Model First and Database First approaches In Detail The ADO NET Entity Framework from Microsoft is a new ADO NET development framework that provides a level of abstraction for data access strategies and solves the impedance mismatch issues that exist between different data models This book explores Microsoft s Entity Framework and explains how it can used to build enterprise level applications It will also teach you how you can work with RESTful Services and Google s Protocol Buffers with Entity Framework and WCF You will explore how to use Entity Framework with ASP NET Web API and also how to consume the data exposed by Entity Framework from client applications of varying types i e ASP NET MVC WPF and Silverlight You will familiarize yourself with the new features and improvements introduced in Entity Framework including enhanced POCO support template based code generation tooling consolidation and connection resiliency By the end of the book you will be able to successfully extend the new functionalities of Entity framework into your project Style and approach This book is a step by step tutorial providing hands on code examples with detailed explanations The book aims to explain the concepts of the Entity Framework and illustrate how you can use these in applications with a tutorial based approach

Entity Framework Tutorial Second Edition Joydip Kanjilal,2015-08-24 A comprehensive guide to the Entity Framework with insight into its latest features and optimizations for responsive data access in your projectsAbout This Book Create Entity data models from your database and use them in your applications Learn about the Entity Client data provider and write statements in Entity SQL to perform CRUD operations Explore ADO NET Data Services and how they work with the Entity

FrameworkWho This Book Is ForIf you are a C developer who wants to learn a new way of querying data and utilizing it in applications efficiently for data binding or other operations then this book is for you Basic knowledge of ADO NET is assumed What You Will Learn Explore the features of the ADO NET Entity Framework Understand the concepts of entities and their relationships Create an Entity Data Model using the ADO NET Entity Data Model Designer and the EdmGen tool Extend existing Entity Types to create your own Entity Types Write programs against the Entity Data Model to perform CRUD operations Discover ADO NET Data Services and learn how they can be used with the Entity Framework Familiarize yourself with WCF Data Services formerly ADO NET Data Services Apply Code First Model First and Database First approachesIn DetailThe ADO NET Entity Framework from Microsoft is a new ADO NET development framework that provides a level of abstraction for data access strategies and solves the impedance mismatch issues that exist between different data models This book explores Microsoft s Entity Framework and explains how it can used to build enterprise level applications It will also teach you how you can work with RESTful Services and Google s Protocol Buffers with Entity Framework and WCF You will explore how to use Entity Framework with ASP NET Web API and also how to consume the data exposed by Entity Framework from client applications of varying types i e ASP NET MVC WPF and Silverlight You will familiarize yourself with the new features and improvements introduced in Entity Framework including enhanced POCO support template based code generation tooling consolidation and connection resiliency By the end of the book you will be able to successfully extend the new functionalities of Entity framework into your project Style and approachThis book is a step by step tutorial providing hands on code examples with detailed explanations The book aims to explain the concepts of the Entity Framework and illustrate how you can use these in applications with a tutorial based approach

Code-First Development with Entity Framework Sergey Barskiy,2015-03-20 This book is intended for software developers with some prior experience with the Microsoft NET framework who want to learn how to use Entity Framework This book will get you up and running quickly providing many examples that illustrate all the key concepts of Entity Framework [Intro to Entity Framework Code First](#)

Shannon B. Black,London School of Management Studies,2015-03-08 Intro to Entity Framework Code First is one of the series of books covering various topics of science technology and management published by London School of Management Studies The book will cover the introduction to the Topic and can be used as a very useful course study material for students pursuing their studies in undergraduate and graduate levels in universities and colleges and those who want to learn the topic in brief via a short and complete resource We hope you find this book useful is shaping your future career Please send us your enquiries related to our publications to press@lsms.org.uk London School of Management Studies www.lsms.org.uk

Programming Entity Framework Code First Julia Lerman Book Review: Unveiling the Magic of Language

In an electronic digital era where connections and knowledge reign supreme, the enchanting power of language has become more apparent than ever. Its ability to stir emotions, provoke thought, and instigate transformation is really remarkable. This extraordinary book, aptly titled "**Programming Entity Framework Code First Julia Lerman**," compiled by a highly acclaimed author, immerses readers in a captivating exploration of the significance of language and its profound affect our existence. Throughout this critique, we shall delve to the book is central themes, evaluate its unique writing style, and assess its overall influence on its readership.

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