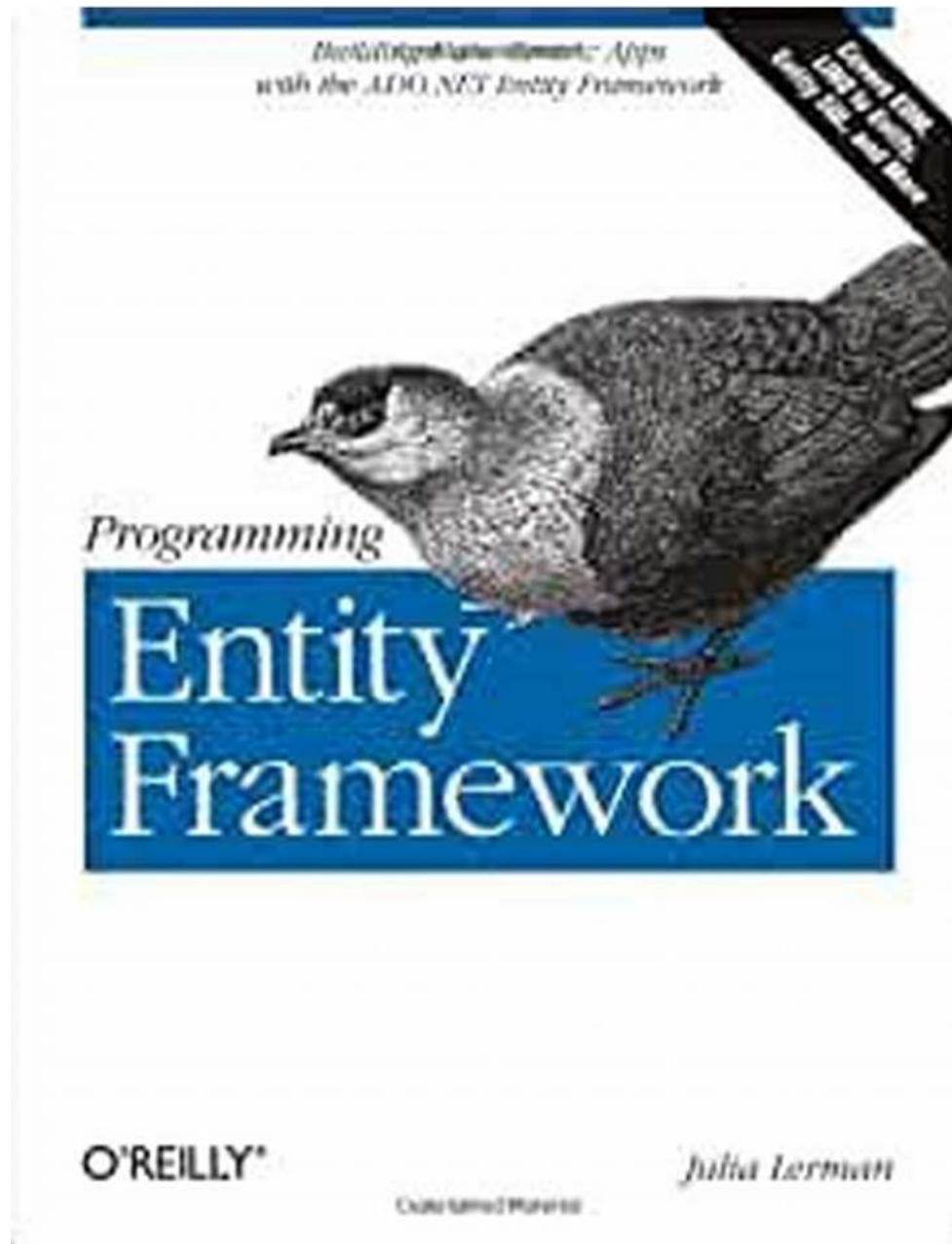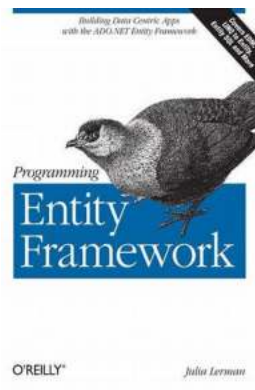# Mastering Entity Framework: Programming Entity Framework by Julia Lerman

Entity Framework (EF) is a popular object-relational mapping (ORM) framework for .NET developers, allowing them to work with databases using C# or VB.NET code instead of writing SQL queries. In the world of Entity Framework, Julia Lerman is a well-known name.

Who is Julia Lerman?

Julia Lerman is a Microsoft MVP, Pluralsight author, and an experienced software developer. She has authored several books on Entity Framework, including the widely acclaimed "Programming Entity Framework" series, which provides comprehensive guidance on understanding and effectively utilizing EF in real-world scenarios.

Programming Entity Framework

by Julia Lerman (2nd Edition, Kindle Edition)

★★★★☆ 4.1 out of 5

Language	: English
File size	: 19136 KB
Text-to-Speech	: Enabled
Screen Reader	: Supported
Enhanced typesetting	: Enabled
Print length	: 918 pages
Lending	: Enabled

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Mastering Entity Framework with Julia Lerman

Julia Lerman's "Programming Entity Framework" books cover various versions of EF, and her deep understanding and expertise shine through in her writing. These books are a result of her vast experience developing enterprise applications and working with EF in different projects.

The series dives into the core concepts, features, and advanced topics of Entity Framework, making it an indispensable resource for both beginners and experienced developers. Julia Lerman's writing style ensures that complex topics are explained in a coherent and approachable manner, making it easier for readers to grasp the intricacies of EF.

Topics Covered in "Programming Entity Framework" Series

The "Programming Entity Framework" series by Julia Lerman covers a wide range of topics, including:

1. **Data Modeling**: Learn how to design and create effective data models using Entity Framework's modeling techniques. Understand the different strategies for mapping objects to databases and gain insight into choosing the right mapping approach for your scenarios.

2. **Querying**: Uncover powerful querying capabilities of Entity Framework, from simple queries to complex ones involving multiple tables, joins, and aggregations. Learn how to write efficient and optimized queries that leverage the full potential of EF.

3. **Working with Relationships**: Entity Framework allows developers to represent relationships between entities in an object-oriented way. Discover how to define, manage, and query relationships between entities using both conventional and advanced techniques.

4. **Performance Tuning**: Gain insights into optimizing the performance of your Entity Framework applications. Learn about techniques like caching, lazy loading, and dealing with large datasets to ensure your applications run smoothly and efficiently.

5. **Code First**: Understand the Code First approach of Entity Framework, which allows you to create your database by writing code. Learn how to define classes, relationships, and configure various aspects of your database using code.

6. **Using EF in Enterprise Applications**: Explore advanced topics like dealing with legacy databases, long-running workflows, and distributed applications.

Discover how Entity Framework can be integrated into complex enterprise architectures and handle challenging scenarios.

Why Choose Julia Lerman's Books on Entity Framework?

There are several reasons why Julia Lerman's "Programming Entity Framework" series stands out:

Comprehensive and Up-to-Date

Julia Lerman's books provide comprehensive coverage of Entity Framework, including the latest features and enhancements. They are continuously updated to reflect changes in the framework, ensuring that readers are equipped with the latest knowledge.

Real-World Examples

Julia Lerman's books are not just theoretical guides; they are filled with real-world examples and practical scenarios. These examples help readers understand how to apply Entity Framework in different contexts and solve real-world problems.
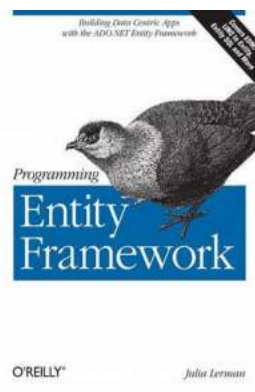
Clear and Concise Explanations

Julia Lerman is known for her ability to explain complex concepts in a clear and concise manner. Her writing style makes it easier for both beginners and experienced developers to follow along and grasp the core concepts of Entity Framework.

Valuable Resources and Supplements

In addition to the books, Julia Lerman provides valuable online resources, code samples, and supplements that enhance the learning experience. Readers can access these resources to further deepen their understanding of Entity Framework.

If you are a .NET developer looking to master Entity Framework, Julia Lerman's "Programming Entity Framework" series is a must-have resource. Her books provide comprehensive coverage of Entity Framework and help you unlock the full potential of this powerful ORM framework.

Programming Entity Framework

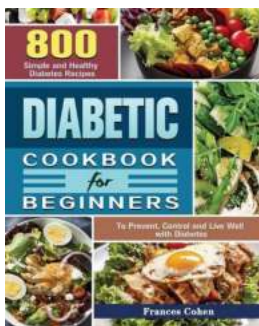by Julia Lerman (2nd Edition, Kindle Edition)

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FREE **DOWNLOAD E-BOOK** PDF

Get a thorough 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.
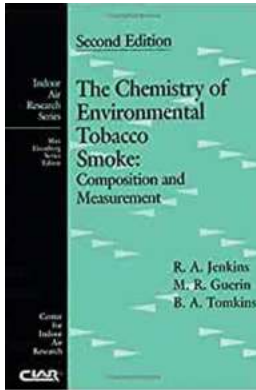
Written by Julia Lerman, the leading independent authority on the framework, Programming Entity Framework covers it all -- from the Entity Data Model and Object Services to WCF Services, MVC Apps, and unit testing. This book highlights important changes for experienced developers familiar with the earlier 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
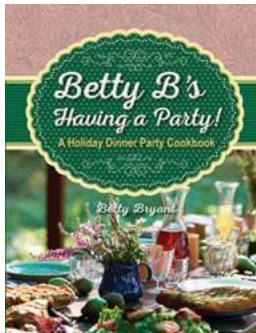

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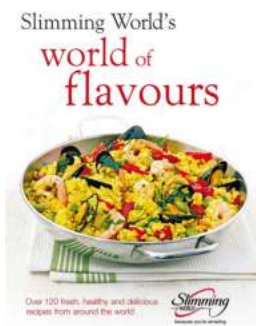
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