LINQ & Entity Framework Core

Lesson 00

Capgemini

Document History

Date	Course Version No	Software Version No	Developer/ SME	Reviewer(s)	Approver	Change Record Remarks
6-Jul-2020	1.0	Visual Studio 2017	RamKumar	Shital Patil		

Course Goals and Non Goals

Course Goals:

➢ To Understand Entity Framework Core 2.1

➢ Establish database connectivity using EF Core 2.1

➢ Invoking Stored Procedure in EF Core 2.1

Non Goals:

➢ Develop Distributed multi-tier Desktop application using C# establishing SQL Server db connectivity using EF Core

Pre-requisites

- ➤ **.NET Core**
- ➤ SQL Server
- ➤ ADO.NET

Intended Audience

Software Developers looking to learn and develop .NET applications

Day Wise Schedule

Day 1
- Lesson 1: Introduction to LINQ to Objects
- Lesson 1A: Understanding LINQ to DataSet
- Lesson 2: Introduction to EF Core
- Lesson 2A: EF Core Features

Day 2
- Lesson 3: EF Core DB First Approach
- Lesson 3A: EF Core Code First Approach
- Lesson 4: LINQ to Entities
- Lesson 4A: CRUD Operations in EF Core

Day 3 (0.5 Day only)
- Lesson 5: Logging & Calling Stored Procedure in EF Core

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References

WebSites:

- https://docs.microsoft.com/en-us/ef/core/what-is-new/ef-core-2.1
- https://docs.microsoft.com/en-us/ef/core/querying/
- https://docs.microsoft.com/en-us/ef/core/querying/raw-sql
- https://docs.microsoft.com/en-us/ef/core/saving/
- https://docs.microsoft.com/en-us/ef/core/miscellaneous/connection-strings
- https://docs.microsoft.com/en-us/ef/core/get-started/?tabs=netcore-cli
- https://docs.microsoft.com/en-us/ef/core/miscellaneous/logging?tabs=v3

Books:

- Entity Framework Core in Action
  - By Jon P Smith
- Mastering Entity Framework Core 2.0
  - By Prabhakaran Anbazhagan
- Beginning Entity Framework Core 2.0
  - By Rouleau, Derek J.
- Entity Framework Core Cookbook - Second Edition Paperback
  - By Ricardo Peres