

Entity Framework Core

Course Introduction



SoftUni Team
Technical Trainers



SoftUni

Software University

<https://about.softuni.bg/>

sli.do

#csharp-db

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SoftUni Diamond Partners



THE CROWN IS YOURS





Course Objectives

Course Objectives

- **ADO.NET** Library
- **ORM** Fundamentals
- **Code First** and **Database First**
- **Migrations**
- Advanced **LINQ**
- **JSON** and **XML**
- **Best Practices** and **Architecture**
- **ASP.NET Core**



Practical Programming Exam

- Three practical problems for four hours
 - Model Definition
 - Data Import
 - Data Export
- Automated judge system
 - <http://judge.softuni.bg>
- Solutions are evaluated for correctness only
 - Code quality is still not measured



Theoretical Exam

- You will have 30 minutes once you enter
- The exam questions will be in English
- Automated quiz system
- Available online the same day as the practical exam
- You can submit your answers just one time





The Team

- **Head of Department @ Information Services Plc.**
- **Worked with various technologies**
 - **.NET and C#, BASIC, Pascal, Object Pascal, PHP**
- **20 years of experience**
- **Experienced Lecturer**
 - **C# Basics, Fundamentals, Advanced, OOP, Databases and ASP.NET Core @ Softuni**



- Programming experience from **7 years**
- Embedded C/C++ Software Engineer @ **Visteon Bulgaria**
- Completed the **C#** and **JavaScript** path @ **SoftUni**
- Develops **web projects** in **C#** and Embedded Systems in **C/C++**
- Involved in **PCB Design**





Course Organization

C# Database Fundamentals Module – Timeline

11-Feb-2025

30-Mar-2025

14-Apr-2025

Entity Framework Core

7 weeks * 4 times / week
15 credits

Start: 11-February-2025
Final exam: 30-March-2025
Retake exam: 14-April-2025

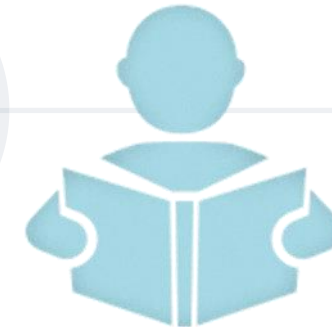




- Your homework is mainly work in class
 - Lesson days → slides + live demos + exercises
 - Exercise days → only exercises
 - How to submit your homework?
 - Submitted in the judge system
- Do your homework when it's due
- Assignments pile up quickly



- The course assignments require to **search in Internet**
 - This is an important part of the learning process
 - Some exercises intentionally have no hints
- Learn to find solutions!
 - Software development includes **everyday searching and learning**
 - No excuses, just **learn to study!**
 - Developers learn new technologies, tools, languages every day!



Course Web Site and FB Group

- Official web site:

<https://softuni.bg/trainings/4842/entity-framework-core-february-2025>

- Official Facebook group:

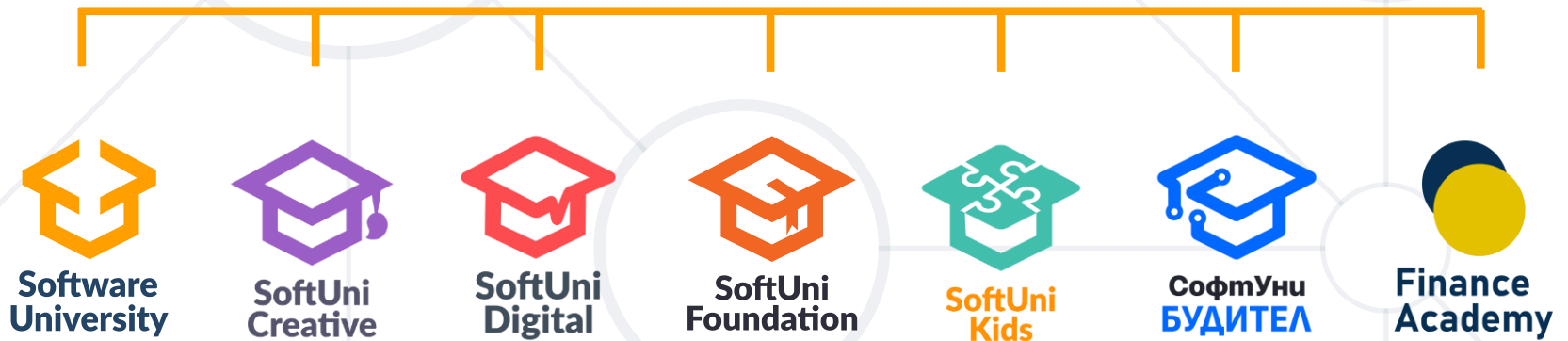
<https://www.facebook.com/groups/csharpdbjanuary2025>



Questions?



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