

# Entity Framework Core

## Course Introduction



SoftUni Team

Technical Trainers



**SoftUni**

Software University

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

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sli.do

**#csharp-db**

# SoftUni Diamond Partners





# **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



- **Experienced C# Developer:**
  - Over 12 years of experience in the IT industry.
  - Specialized in creating and implementing high-performance solutions for corporate clients.
- **Professional Background:**
  - DXC Technology
  - Hewlett Packard Enterprise
  - HP
- **Successfully completed projects for prestigious clients:**
  - E.ON, BMW, MEWA, Swedavia





# Course Organization

# C# Database Fundamentals Module – Timeline

17-Jun-2024

03-Aug-2024 09-Aug-2024

## Entity Framework Core

7 weeks \* 4 times / week  
15 credits

Start: 17-June-2024  
Final exam: 03-August-2024  
Retake exam: 09-August-2024



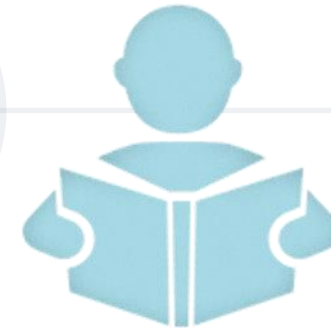


- Your homework is mainly work in class
    - Lesson days → slides + live demos + exercises
    - Exercise days → only exercises
  - How to submit your homework?
    - Submitted in the judge system
- Do your homework when it's due
- Assignments pile up quickly





- 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, Forum and FB Group

- Official web site:

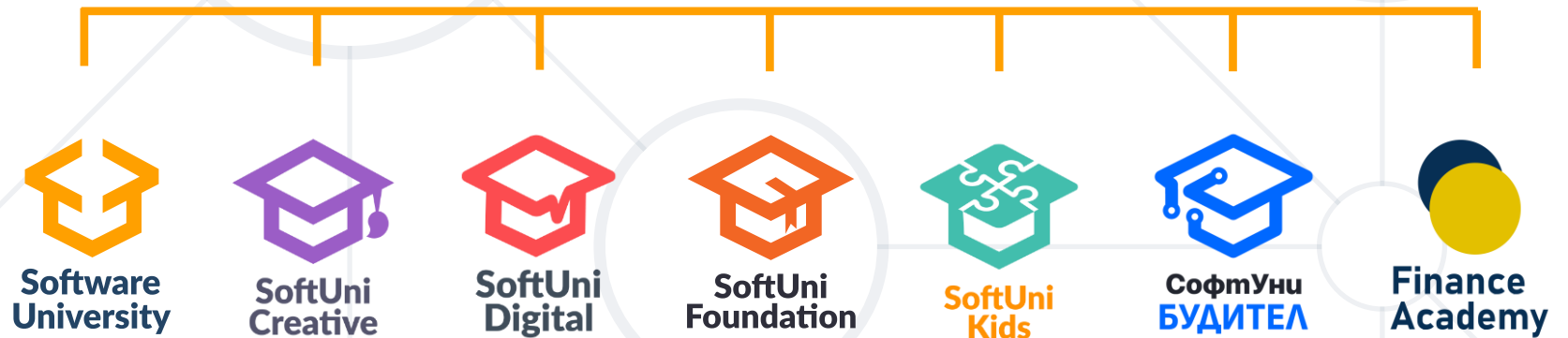
<https://softuni.bg/trainings/4540/entity-framework-core-june-2024>

- Official Facebook group:

<https://www.facebook.com/groups/CsharpDBMay2024>



# Questions?



- Software University – High-Quality Education, Profession and Job for Software Developers
  - [softuni.bg](http://softuni.bg), [about.softuni.bg](http://about.softuni.bg)
- Software University Foundation
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