Gradually Improving Software Design

Welcome to the workshop that demonstrates object-oriented and functional techniques that can improve the state of your code!

We shall develop a Web application that uses the technologies listed below. Being proficient in all of these technologies will certainly improve your chances of following through the workshop, though lacking experience one here and there should not be a showstopper. Here are the technologies:

- C# 11 with .NET 7
- ASP.NET Core Web application
- Razor pages
- Entity Framework Core 7.0
- SQL Server

Please find below the information necessary to download and execute the demo code. Make sure to have all these tolls ready before the workshop begins.

These are the tools and libraries required to run the demos:

- .NET SDK 7.0 or later - downloaded from https://dotnet.microsoft.com/en-us/download/dotnet,
- An appropriate IDE, such as Visual Studio Code or Visual Studio (any edition, including Community),
- SQL Server support - all demos include connection string to a LocalDB database; support for LocalDB is installed as part of SQL Server Express; any other SQL Server edition would suffice, but with additional requirement that the attendee would need to manage the connection string,
- SQL Server Management Studio or any other tool to easily browse and query the database, including tools and extensions built into the IDE
- Git client, any

Shortly before the workshop, you will receive a token that will grant you access to the Git repository with code and related materials.