

ASP.NET Core

Clean Architecture

Course Introduction



Gill Cleeren

CTO Xebia Microsoft Services Belgium

@gillcleeren

Overview



**A solid architecture for ASP.NET Core
applications at GloboTicket**

What you need to know before starting

Looking at the finished application



Version Check



This course was created for use with:

- ASP.NET Core 8
- Visual Studio 2022



Version Check



This course is 100% applicable to:

- ASP.NET Core 6 and ASP.NET Core 7
- Visual Studio 2022 (any edition)

We focus on concepts and architecture in this course!





A Solid Architecture for ASP.NET Core Applications at GloboTicket

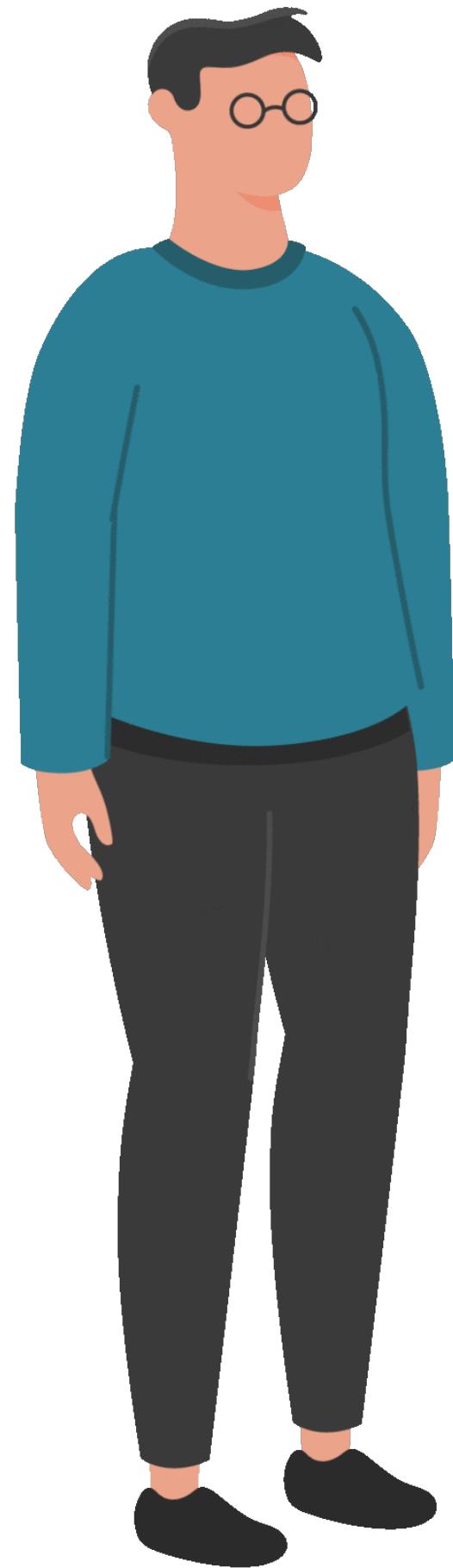




LOBOTICKET

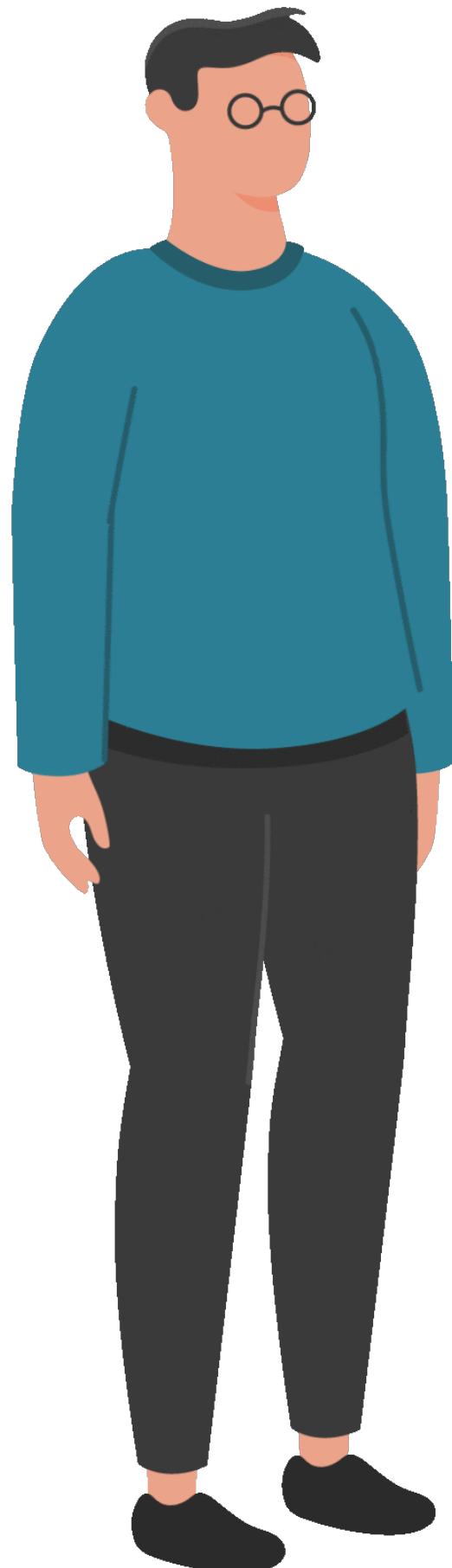
A Globomantics Company





**“Hello, I’m Bob T. Hickett,
IT Manager at GloboTicket.”**





“Our development team is skilled but their knowledge is somewhat outdated.

Most of the currently used applications are built with older .NET technologies.”





“We want to build a new system based on a modern, cloud-ready technology stack and still using our .NET knowledge.”



**“Hello! I’m Bethany Smith,
team lead at GloboTicket.”**



**“To update the knowledge of our team,
we have followed an
ASP.NET Core training, followed
several Pluralsight courses
and attended a few conferences.**

**The team know feels confident
about .NET and ASP.NET Core.**

We want to get started!”



“But... How do we set up this new system?

**How do the different pieces
of the puzzle fit together?**

And what are the best practices?”



**This course will teach you
how to set up an
architecture for
ASP.NET Core (API) projects.**





Architectural Principles

Based on Clean Architecture



Requirements for the New Architecture

**Clean architecture with
ASP.NET Core**

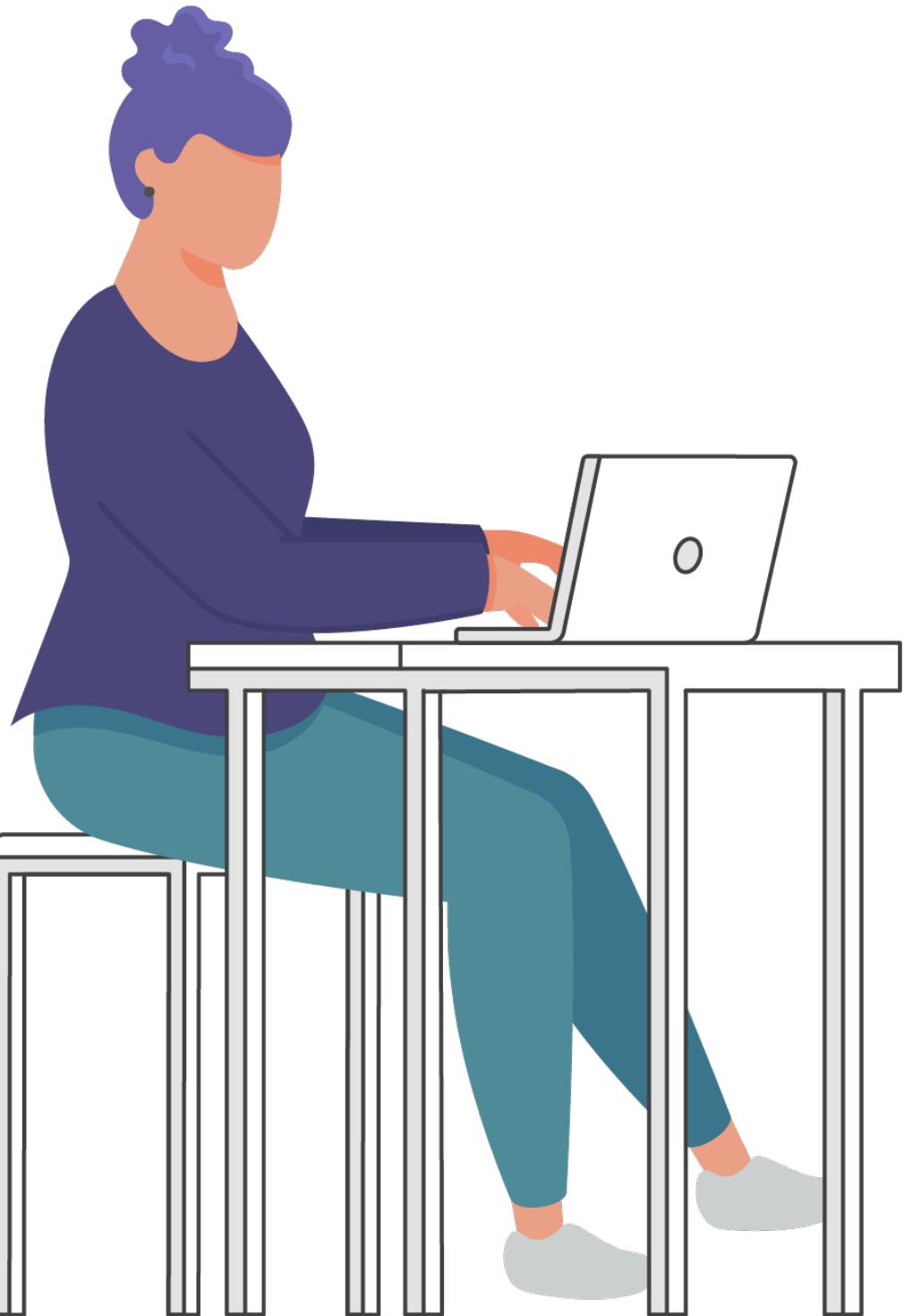
Best practices

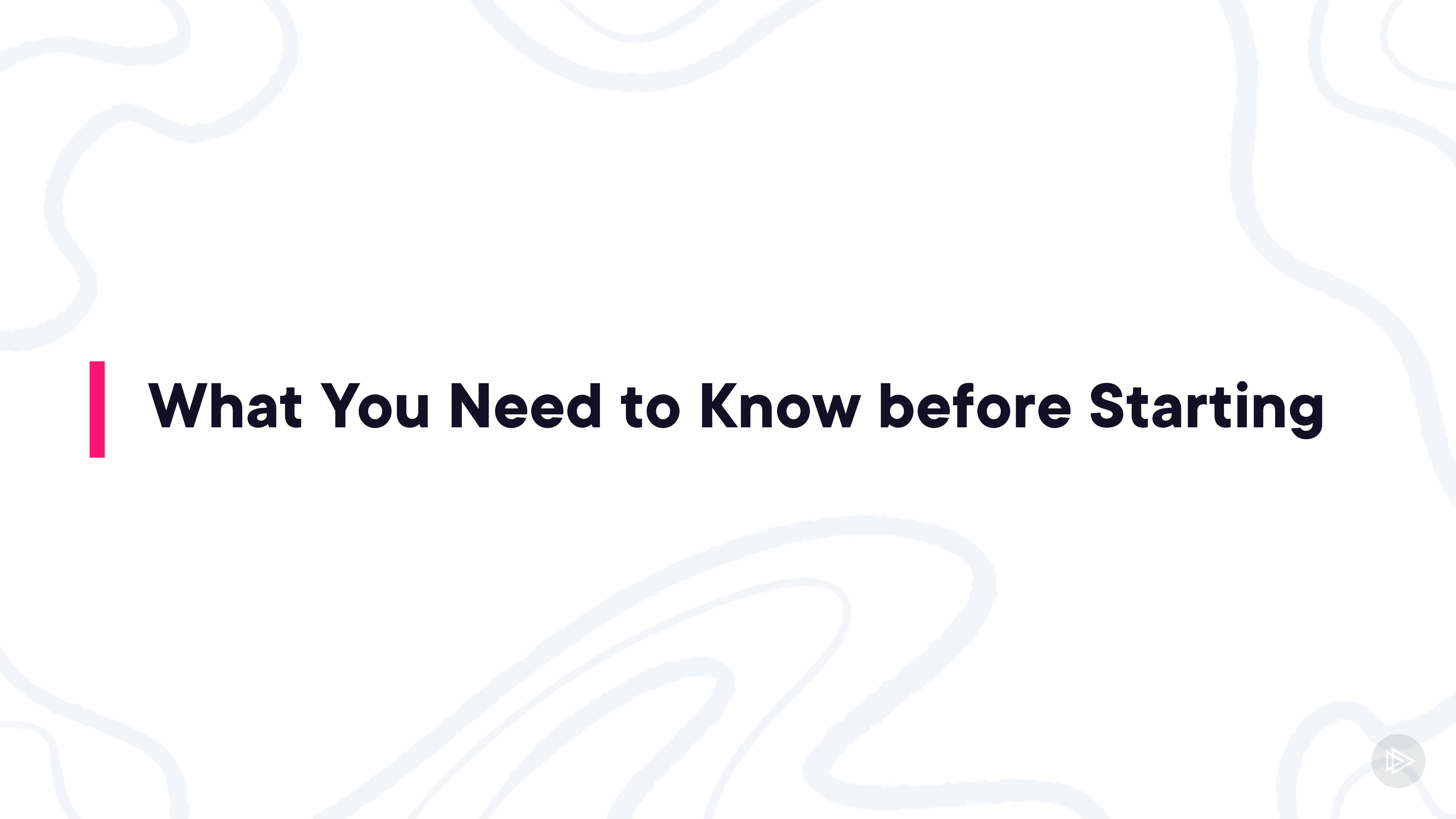
Common packages

Testable and maintainable



**“We look forward using this
new architecture for our new projects.”**





What You Need to Know before Starting



What I Assume You Know

C#

ASP.NET Core and EF Core

REST APIs with ASP.NET Core

Optionally: Blazor

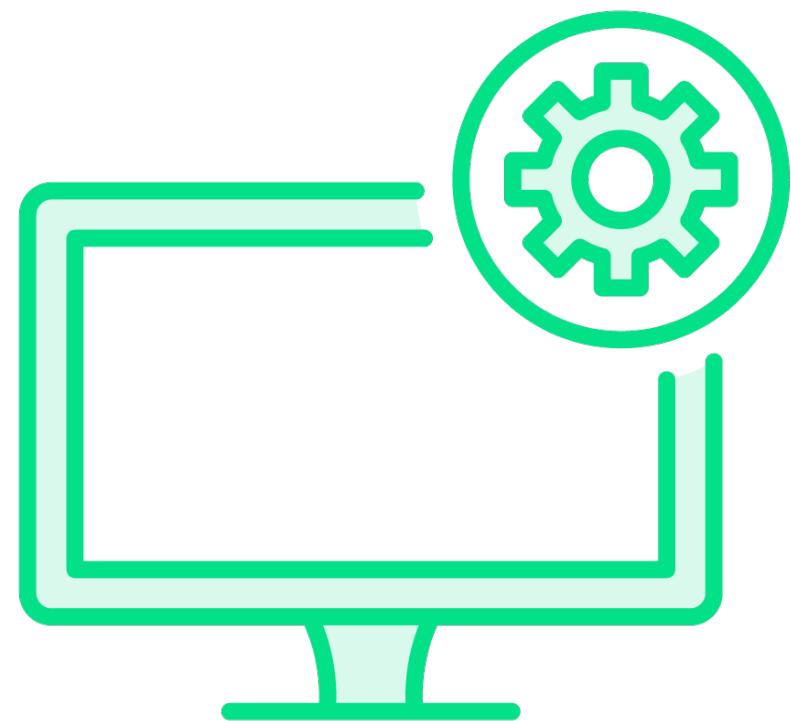


Downloads for This Course

[Table of contents](#) [Description](#) [Transcript](#) [Exercise files](#) [Discussion](#) [Learning Check](#) [Related Courses](#)



What You Need to Have Installed



Visual Studio 2022

.NET 8 SDK





GloboTicket Ticket Management

- Manage events, ticket sales etc
- API
- Blazor app



Demo



Looking at the finished application



Up Next:

Understanding Architectural Principles

