

# Architecting ASP.NET Core Applications: Best Practices

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## COURSE INTRODUCTION



**Gill Cleeren**

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# Overview



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

**What you need to know before starting**

**Looking at the finished application**



# A Solid Architecture for .NET Core Applications at GloboTicket

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# GLOBOTICKET

A Globomantics Company

## Introducing GloboTicket





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**“Our development team is skilled but their knowledge is somewhat outdated.**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

Bob T. Hickett





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

Bob T. Hickett



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

The team now feels pretty confident about .NET Core. We want to get started!”

Bethany  
Team Lead at GloboTicket





“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?”

Bethany  
Team Lead at GloboTicket





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





Based on  
clean architecture principles.



# 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.”**

Bethany  
Team Lead at GloboTicket

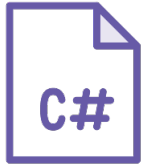


# What You Need to Know before Starting

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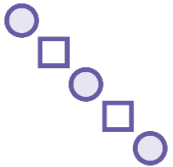
# What I Assume You Know



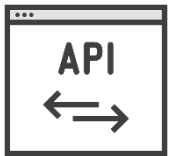
C#



ASP.NET Core & EF Core



REST APIs with ASP.NET Core



Optionally: Blazor





# Relevant paths

[www.pluralsight.com/paths/aspnet-core](https://www.pluralsight.com/paths/aspnet-core)

[www.pluralsight.com/paths/  
building-web-applications-with-blazor](https://www.pluralsight.com/paths/building-web-applications-with-blazor)



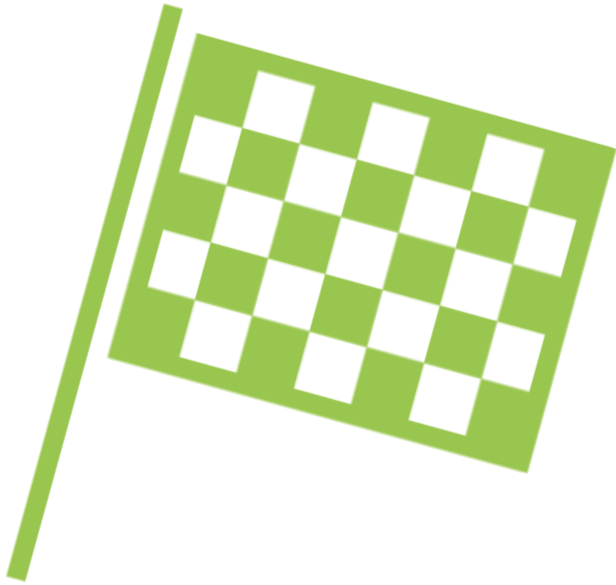


# Downloads for This Course

Table of contents	Description	Transcript	<b>Exercise files</b>	Discussion	Learning Check	Related Courses
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# What You Need to Have Installed

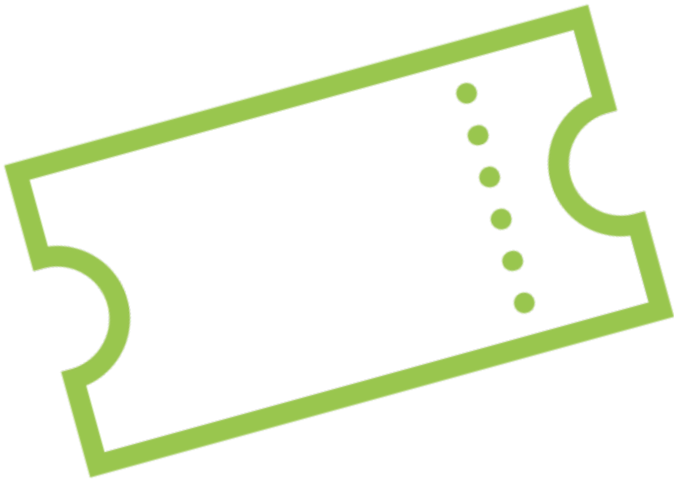


**Visual Studio**

**.NET Core 3.1 SDK**

- .NET 5 also works





## GloboTicket Ticket Management

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



# Demo



Exploring the API

Looking at the Blazor application





**Up next:**  
Understanding  
architectural principles

