Adding a UI



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Overview



Introducing Blazor client-side
Using NSwag and NSwagStudio
Exploring the client app
Adding a missing feature



Introducing Blazor Client-side



Blazor is a framework to build interactive web Uls using C# and HTML.



Hello Blazor



Based on WebAssembly or run on server



No plugin, based on web standards



Integrate with JavaScript



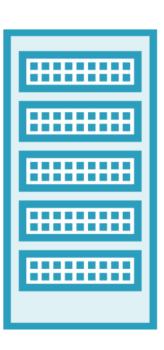
Benefits of Visual Studio and .NET including performance and libraries



Client-side Blazor

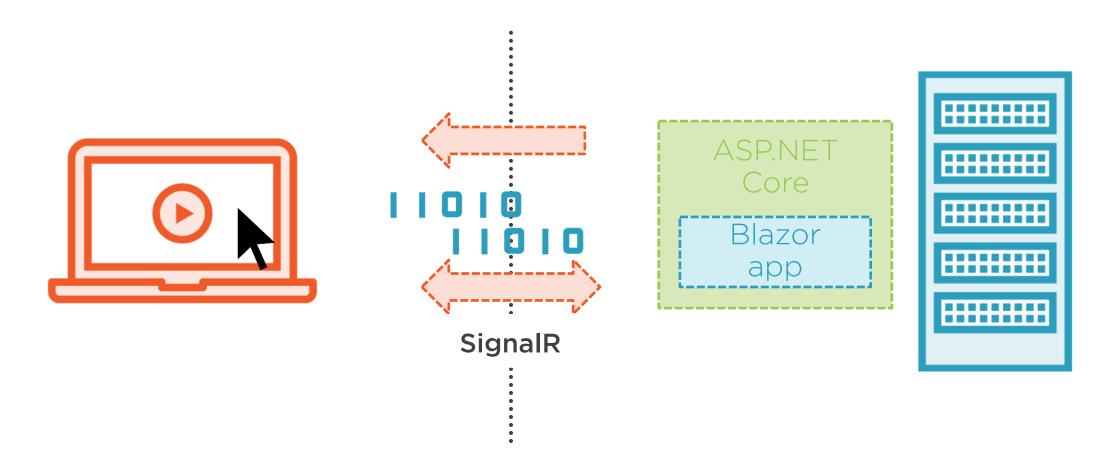




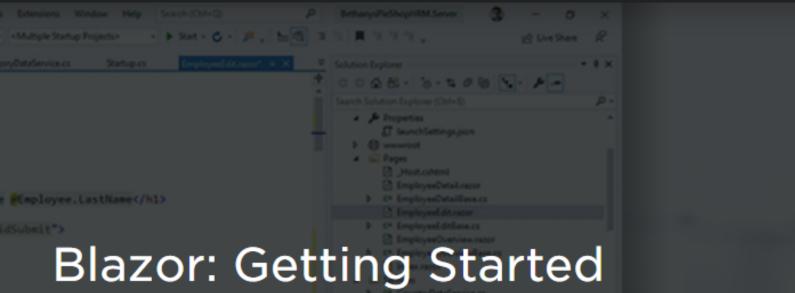




Server-side Blazor







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Learn how to build your first application in a hands-on way using Blazor,

Microsoft's solution to use C# to write interactive web UIs without JavaScript.

Using NSwag and NSwagStudio





Accessing the API

We can write all code manually for each type of client we'll want to connect.



Using NSwag



Tooling based on Swagger/OpenAPI specification



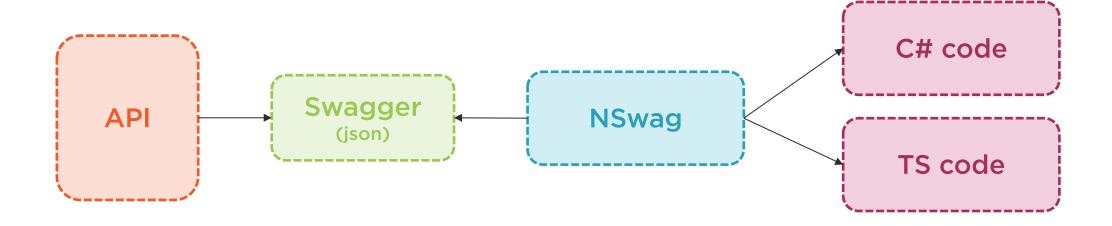
Generation of client code to use the API



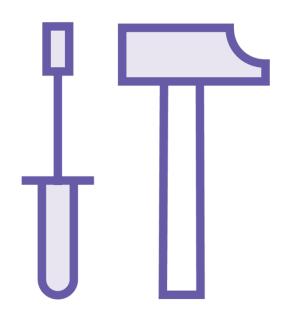
Works for many technologies including .NET Core and TypeScript



Using NSwag





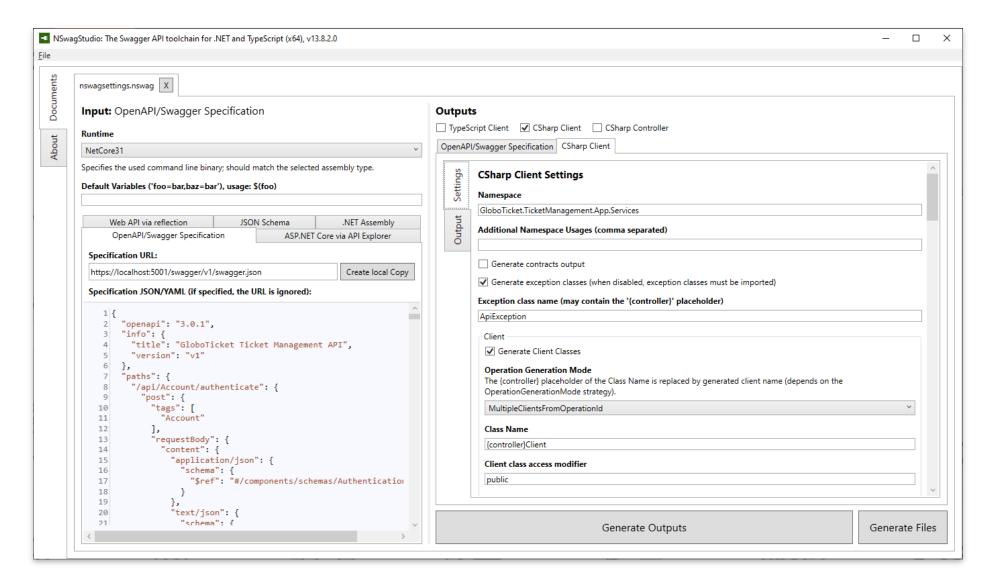


Using NSwag

- NSwagStudio
- Build
- CLI



NSwagStudio





Demo



Using NSwagStudio to generate client code



Exploring the Client App



The Blazor Client App

Packages

AutoMapper HttpClientFactory **NSwag**

Service code

Authentication

Covered in next module



Demo



Exploring the Blazor application





"The list of orders is now a bit too long. Can we get it paged?"



Demo



Adding paging functionality on the API
Generating new code with NSwag
Updating the Blazor app



Summary

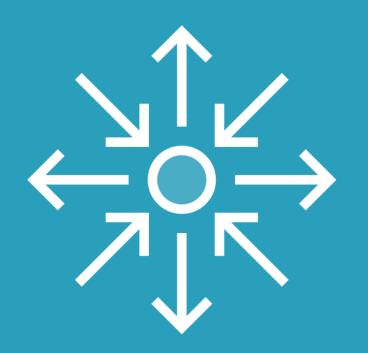


NSwag works well with Swagger API

- Less code to write

Blazor can plug in on our architecture





Up next: Handling cross-cutting concerns