

Blazor Testing from A to Z

Egil Hansen

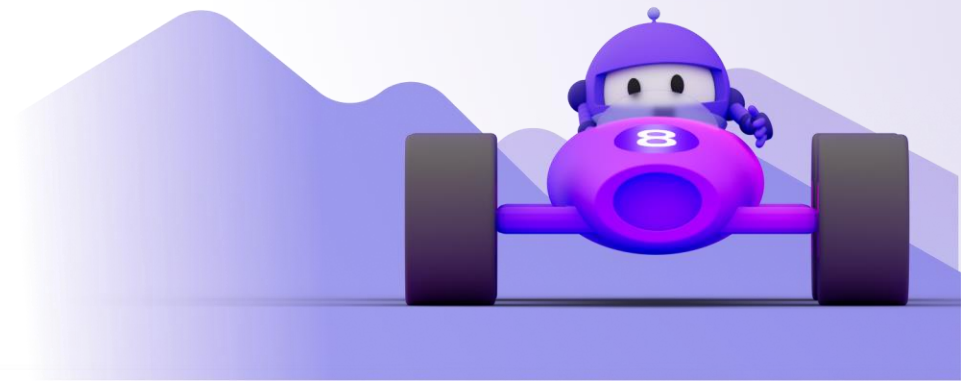
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Writing Valuable Tests for Blazor

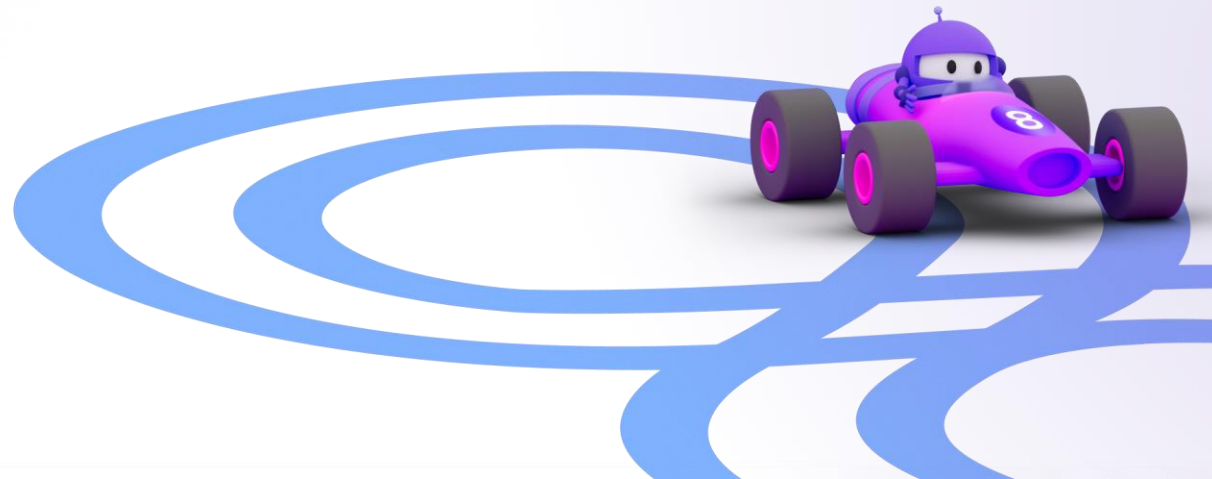


End-2-end or integration
testing

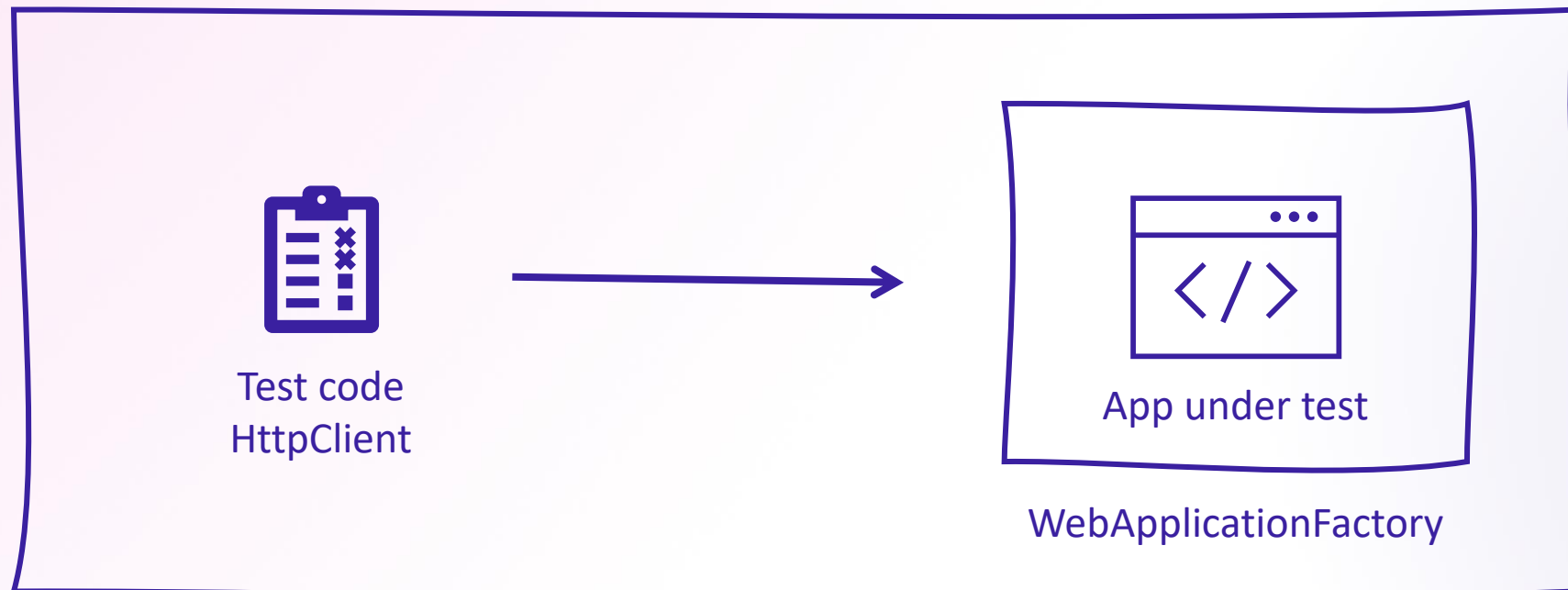


Playwright
playwright.dev/dotnet

WebApplicationFactory

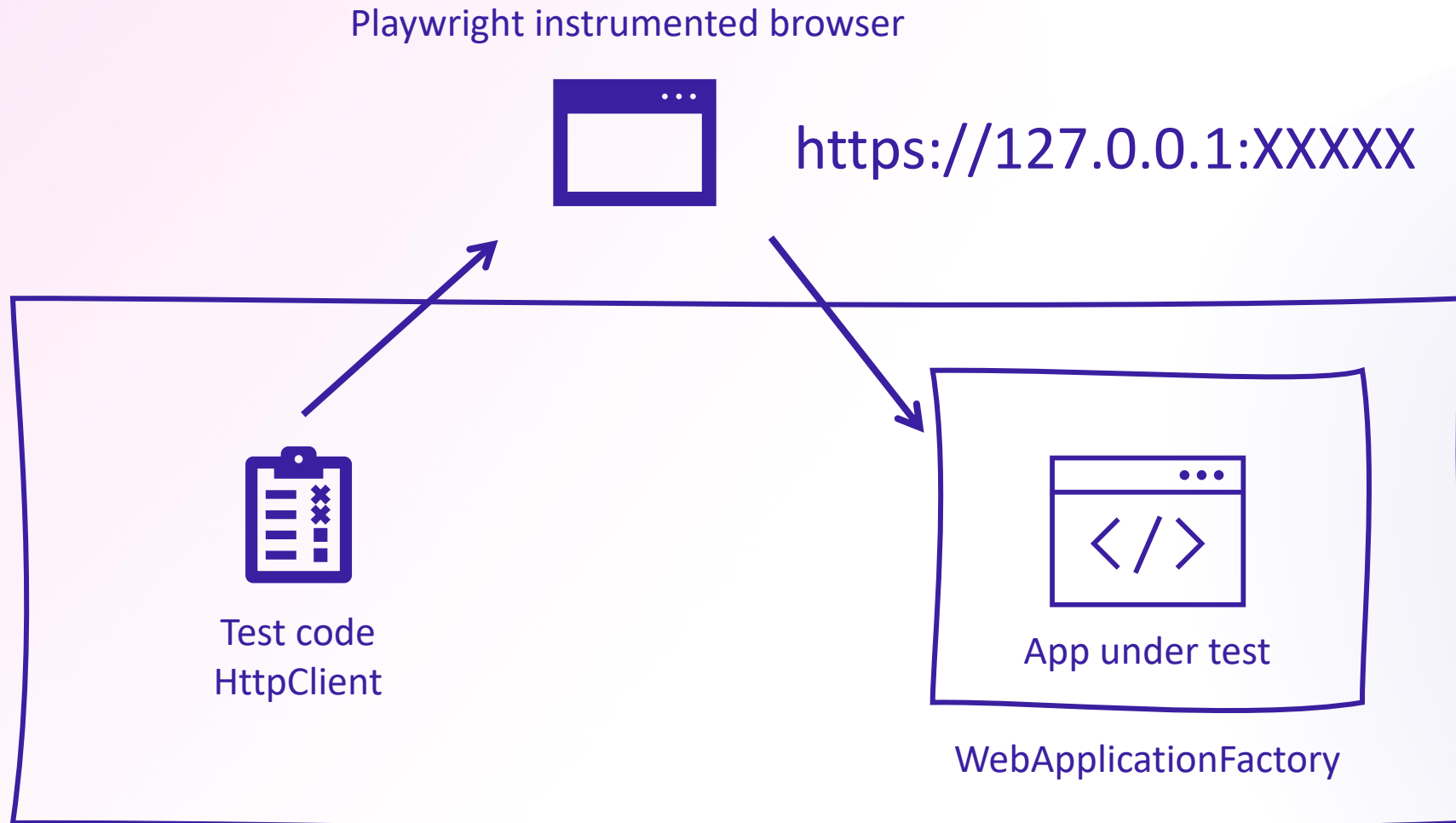


WebApplicationFactory



Test running everything in processes

Browser is out of process



Pre-baked demo setup

```
dotnet new blazor -o BlazorTestingAZ
dotnet new nunit -o BlazorTestingAZ.Tests
dotnet new sln
dotnet sln add .\BlazorTestingAZ\
dotnet sln add .\BlazorTestingAZ.Tests\
cd .\BlazorTestingAZ.Tests\
dotnet add reference ..\BlazorTestingAZ\
dotnet add package Microsoft.Playwright
dotnet add package Microsoft.AspNetCore.Mvc.Testing
dotnet add package Verify.Playwright
dotnet add package Verify.NUnit
dotnet build
.\bin\Debug\net8.0\playwright.ps1 install
```


End-2-end testing demo

Component- or unit-testing





bUnit
bunit.dev

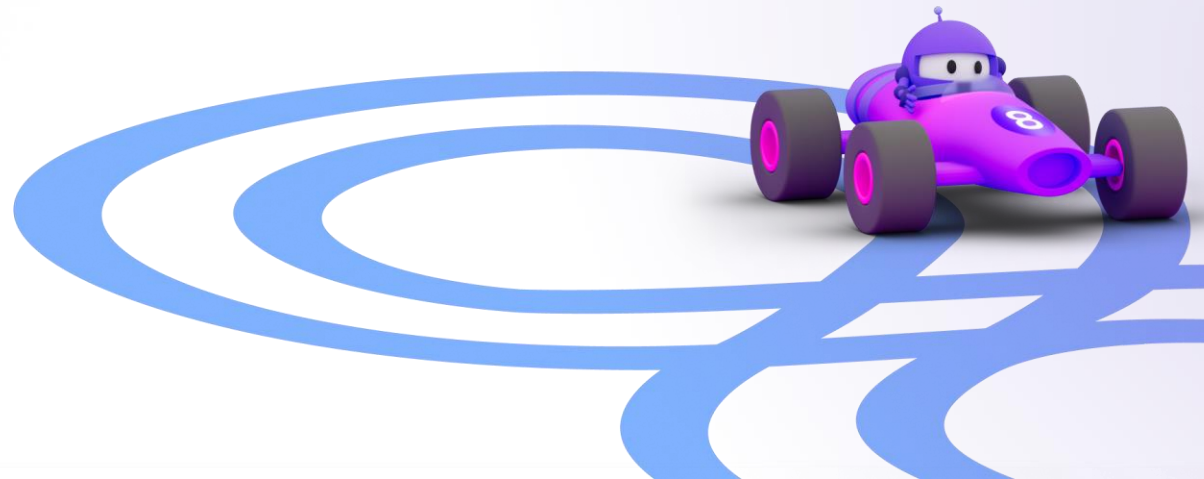


Steven Giesel (MVP)
<https://steven-giesel.com>

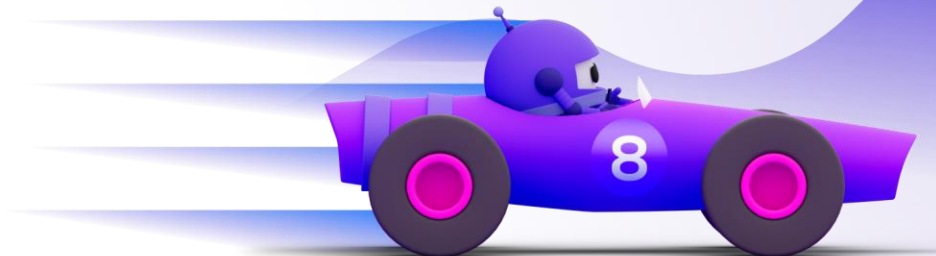


Pre-baked demo setup

```
dotnet add package bunit  
dotnet add package Verify.Bunit
```



Component testing demo



What to pick?

Simple app:

End 2 end testing

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End 2 end testing

Complex app with
reusable components:

End 2 end testing

bUnit

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bUnit

What to pick?

Simple app:



End 2 end testing


Complex app with
reusable components:



End 2 end testing

bUnit

Component library:



End 2 end
testing

bUnit

Resources:

Playwright:

<https://playwright.dev/dotnet>

bUnit:

<https://bunit.dev>

Verify:

<https://github.com/VerifyTests/Verify>

Demo:

<https://github.com/egil/BlazorTestingAZ>

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