

Modernizing WebForms

Wonder where I got my gray hair?

JORIS ZWART

2002

Advent of .NET Web Forms

RAD

Rapid Application Development

2012

The twilight of RAD

Architectural issues

onclick...

1000 LoC follows

Everything is a POST

...and thus
ViewState

Session locking

XSS etc

~2012

Frontend frameworks

2016

Advent of .NET Core

Microsoft does not often
kills, but if they do!

.NET 4.x

+

Web Forms

Dead end street :-(

2023

Rebuild using modern stack

Second-system effect

Wrong turn!

Hopefully lessons learned!

2026

macOS development?

Mono?

Dead end (2019)

Hoe verder?

1. Totale nieuwbouw

2a. Upgrade WebForms .NET 10

2b. Upgrade WebForms
/ modernize stack

3. Do not Upgrade Modernize
UI/UX, very slow development

4. Do nothing

Mix 'n' match

.NET 10 + Web Forms!

~~Eureka!~~ That's funny

“Not all heroes wear capes”

Opties

What's in a name?

WebFormsCore

MIT, no active

CoreWebForms

MIT, no active

WebFormsForCore

MIT, winnaar

coreforms.net

\$\$\$, closed , based on WebFormsForCore?

Migratie

Strangler fig pattern

Stap voor stap

Weinig dependencies \o/

Hybride

Hak/breekwerk bottle bijl

Sign in page! Woei!

Sign in? FAIL

Here be dragons!

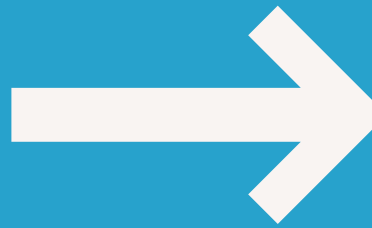
Visual Basic.NET



C#

Microsoft Access™

Jet, OleDb, slow, locking issues, data corruption



SQLite

T.H.T. 2050

Blazor?

Houdbaarheid?

Performance increase?

Testen

Manual side-by-side

Testen

End-to-end then? :-)

Legacy overhaul

Niet te vermijden

Planning

Upgrade .NET 4.8 dependencies

Week 21

.NET 4.8 → .NET 10

Week 22

Microsoft Access™ → SQLite

Week 23

side-by-side testen

Strangler pattern

Week 24 e.v.

Extract business logic

Refactor database

```
SELECT MAX(ID) + 1  
FROM orders
```

What could go wrong?

yyyyMMdd

yyyyMMddHHmm

yyyyMMddHHmmss

System.Web

Remove dependency

REST

Representational state transfer

Frontend

Profit!

2031?

Gray hairs?

When age starts to matter

ASP.NET Web Forms

ASP.NET Core

Visual Basic.NET

Database

Wonky error messages

What 's next?

Getting rid of Windows servers

Containerization

To be continued...

joriszwart.nl/webforms