.NET MAUI For Xamarin.Forms Programmers

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Who Are You?

Familiar with XAML
Comfortable with C#
Familiar with Xamarin.Forms

Deep dive into a non-trivial app:

Forget Me Not

Yuck!

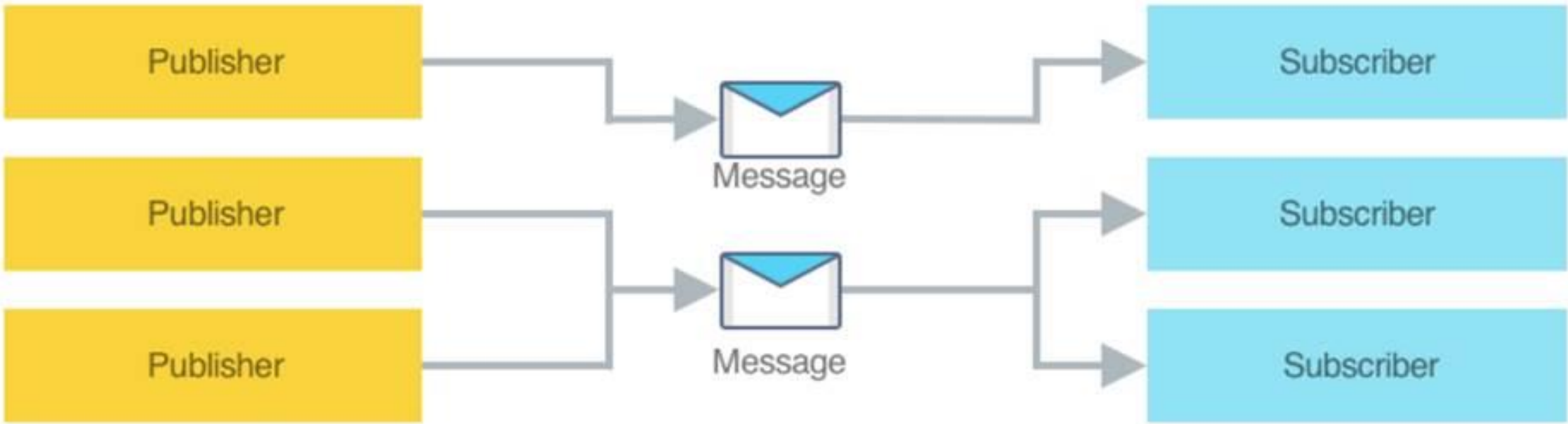
- The program is not done
- No UI designer

Forget Me Not - Walkthrough

- Goal
- Tabs
- About
- Preferences
- Buddies
- Adding Buddies
- Occasions
- Navigation

- Code…

Messages


Publisher
Publisher
Publisher
Message
Message
Subscriber
Subscriber
Subscriber

Unit Testing

- Why?
- FIRST
  - Fast
  - Isolated
  - Repeatable
  - Self-Verifying
  - Timely

FIRST

- Fast or you won’t use them
- Isolated – No dependency on others. Single reason to fail
- Repeatable – reliable
  - Data not cleaned up
  - External systems
  - Non-deterministic due to threading

FIRST

- Self-verifying
  - Unambiguous results
  - Narrow (test one thing)
  - Assert one thing
- Timely
  - Run constantly
  - TDD vs. TAD

TDD

- 35% faster than TAD
- Makes for testable code

Writing the tests

- AAA
- Arrange
- Act
- Assert

Unit Testing

- Code…

Tweaking the csproj

- `<TargetFrameworks>`**`net7.0;`**`net7.0-android;net7.0-ios;net7.0-maccatalyst</TargetFrameworks>`
- `<OutputType Condition="'$(TargetFramework)' != 'net7.0'">Exe</OutputType>`

https://github.com/jesseliberty/ForgetMeNotCzech

Find out more…

Learn .NET MAUI - Packt

Microsoft Documentation

https://jesseliberty.com

https://jesseliberty.com/podcast

Questions?

Thank You
Danke
Grazie
Gracias
Merci
Thank you