Łukasz Szydło
lszydlo@oakfusion.pl

Enabling Continuous Delivery

Software Craftsman

Specializing in web apps

Writes code mostly in Java

Co-founder at Oakfusion

Trainer at Bottega IT Solutions

Branch free since 2010 (with small brake)

Quick survey

Our highest priority is to satisfy the customer through early and **continuous delivery** of valuable software.

- automated testing,
- continuous integration
- continuous inspection
- continuous deployment

Release != Deploy

Release - make feature accessible to users

Deploy - put newest app version on server

What's in it for me?

How big is you app?

Your tests are too slow

Unit tests < 1ms

Integration tests < 50 ms

Acceptance tests - as fast as possible :)

Your app is to big

- Micro applications
- Micro services

Branches slows you down

- Feature switches
- Incremental changes

Branching by abstraction

Write your tests
and
make them fast

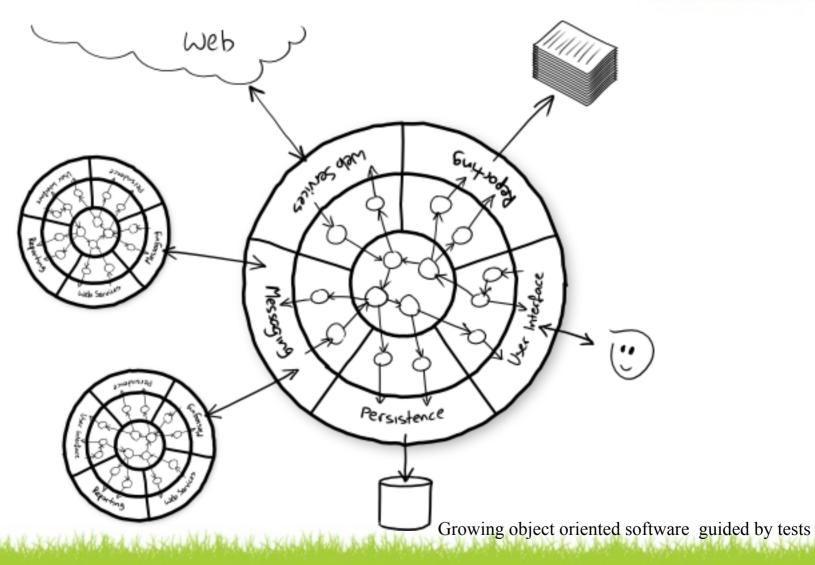# Bugs

- can't complete action
- can complete action wrong

Make your app configurable

Growing object oriented software guided by tests

Monitor your process

- Static code analysis
- Process metrics
- Application monitoring

Infrastructure needs to enable you to create small apps

- Culture & Organization
- Design & Architecture
- Build & Deploy
- Tests & Verification
- Information & Reporting

Q&A