

Abstract geometric lines in the top-left corner of the slide, consisting of several thin, black, overlapping lines that form a complex, non-representational shape.

TEST-DRIVEN DEVELOPMENT

Markus Øxnevad

AGENDA

What is TDD?

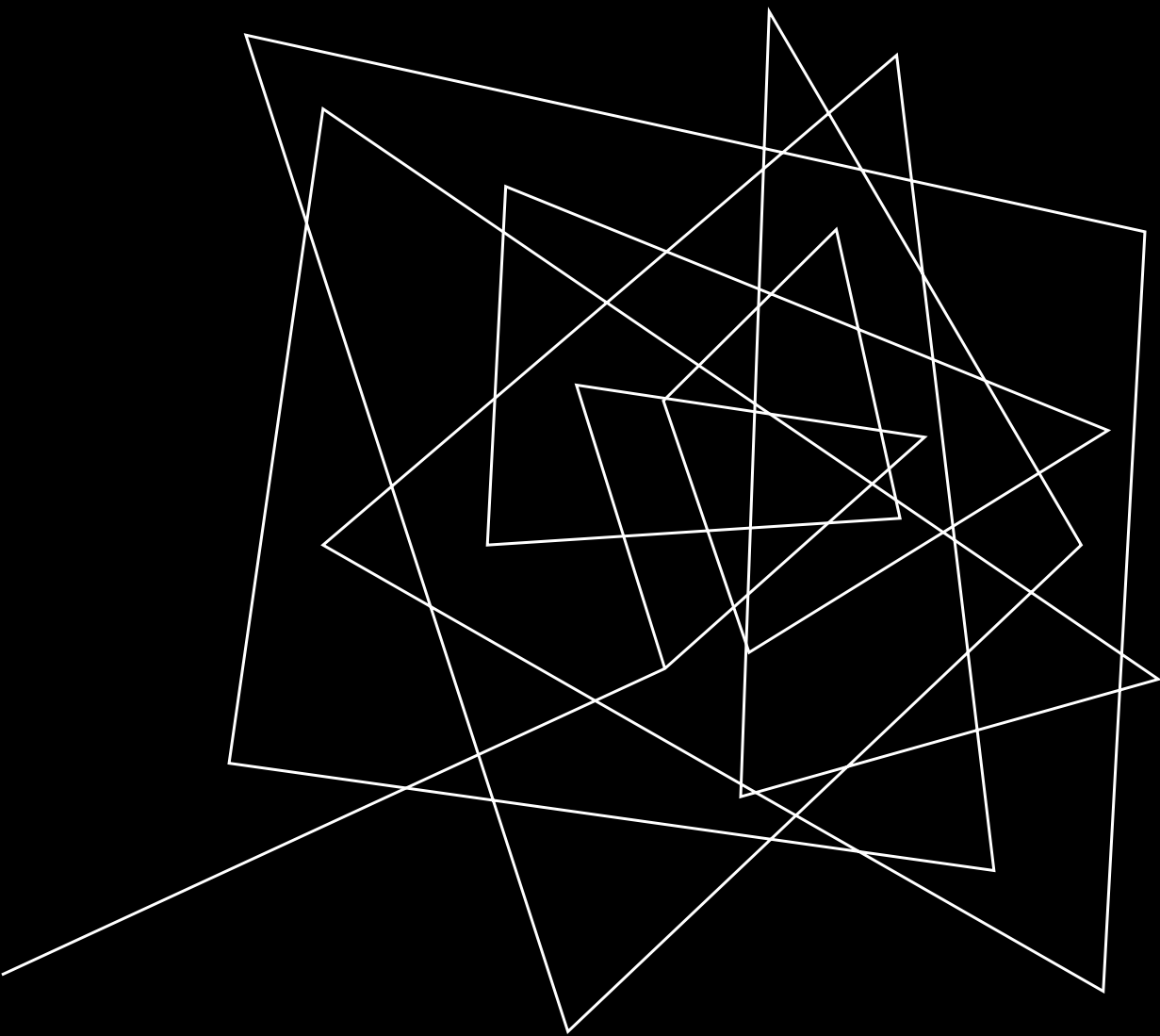
The three laws of TDD

The three ways forward

Pros/Cons

WHAT IS TEST-DRIVEN DEVELOPMENT?

Test-driven development or classic TDD is a practice of writing unit tests before developing.



THE THREE LAWS OF TDD

- 1) You are not allowed to write any production code, unless it is for making a failing unit test pass
- 2) You are not allowed to write any more of a unit test than is sufficient to fail
- 3) You are not allowed to write any more production code than is sufficient to pass the test that fails



THE THREE WAYS FORWARD/BABY STEPS

- 1) Fake implementation – Hard code exact value to pass test
- 2) Obvious implementation – Write the correct code to pass the test
- 3) Triangulation with next test



PROS

DESIGN

Remove noise, more flexible,
maintainable and clean

DOCUMENTATION

Well written and informative
naming results in good
documentation and less
redundant code

DEBUGGING

Less debugging



CONS

TIME

Slow process

MAINTANANCE

Tests need to be maintained because the code has got to



THANK YOU

Markus Øxnevad

markus.oxnevad@bouvet.no