Testability

When your testing problem isn't testing

Lennart Tange
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HUNGARIAN SOFTWARE TESTING FORUM

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About me

Live in the Netherlands
with my wife and 2 sons.

Past time: I paint miniature figures or
rennovating my house near Pécs, Hungary.

Strategic Software Delivery Consultant

at **Qxperts** , part of **Xebia** .
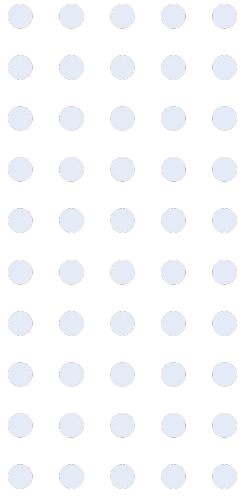
I help software teams to go faster by going better

https://www.linkedin.com/in/lennarttange/

We once started to automate things

… then automation started to hurt us
(much effort, fragile, slow, unreliable)

… but that's when the good conversations started to happen

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The common problem

Developing and testing being two separate activities

System not developed to be tested

Tests "deal with it"

Maintenance (tests AND system!) becomes painful

Bad for productivity and outcome

retry

Test pyramid

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The common problem

Developing and testing being two separate activities

System not developed to be tested

Tests "deal with it"

Maintenance (tests AND system!) becomes painful

Bad for productivity and outcome

And the more we build, the worse it gets.
No pressure on the testability of the design.

JB Rainsberger describing this feedback cycle in **"Integrated tests are a scam"**

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The common problem

Developing and testing being two separate activities

System not developed to be tested

Tests "deal with it"

Maintenance (tests AND system!) becomes painful

Bad for productivity and outcome

Great teams can break this cycle!

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What do our continuous tests tell us?

Our Software

Does it (still) work?

Listen closer:
Did we build it right?

Is our testing valuable and affordable enough
(thorough, while fast, stable, easy to write/run/understand, …)

Validate Requirements

Validate Maintainability

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"If it is hard to test, we built it wrong"

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Once identified, shift the perspective:
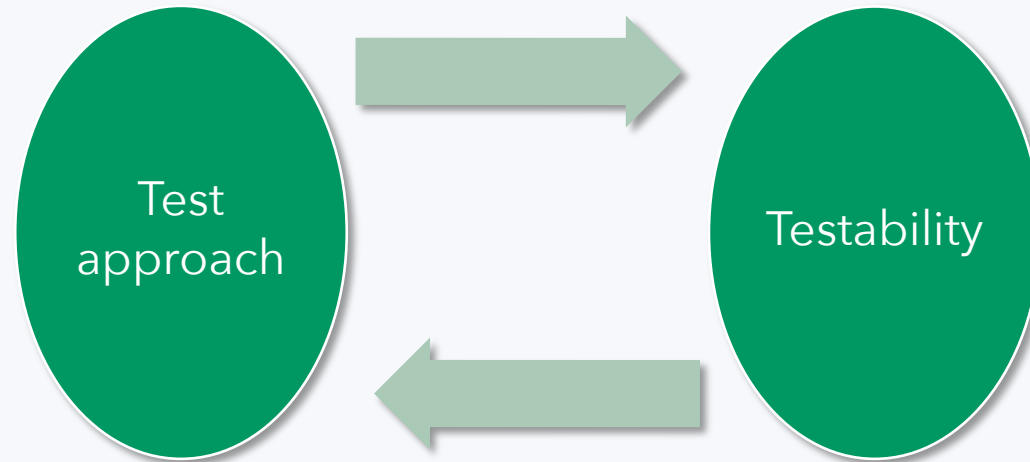_"**testing** issue"_ to
"**testability** issue"

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The testability quality attribute decomposed

Source: http://developertesting.rocks/testability/

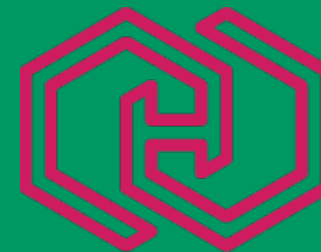# Summary

As testers, we can care more for *maintainability* of our systems.
Listen and act on testability feedback our testing gives us.

Thank you

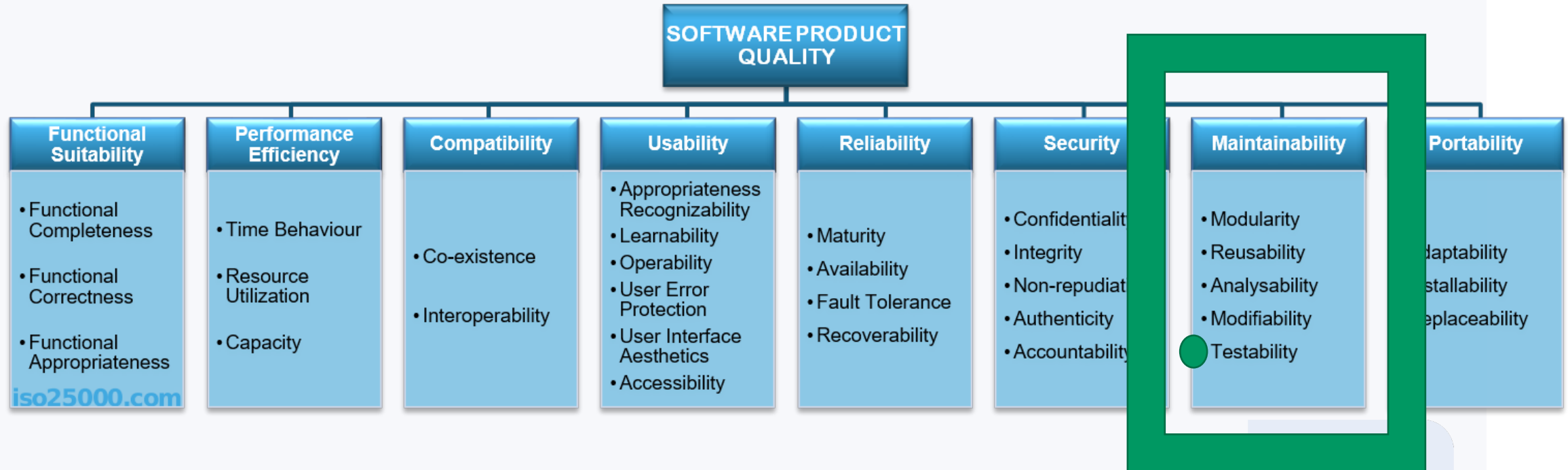## *"If it is hard to test, we built it wrong"*

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ISO 25010: Software Product Quality

Testability - *Degree of effectiveness and efficiency with which test criteria can be established for a system, product or component and tests can be performed to determine whether those criteria have been met.*

Source: https://iso25000.com/index.php/en/iso-25000-standards/iso-25010

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