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Testing in practice

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Agenda

- Introduction
- Why testing?
- Testing Theory versus Practice
- Risk and Requirements Based Testing
- Testmanagement
- Pauze
- Future Testing
- Stories from the real world

Introduction

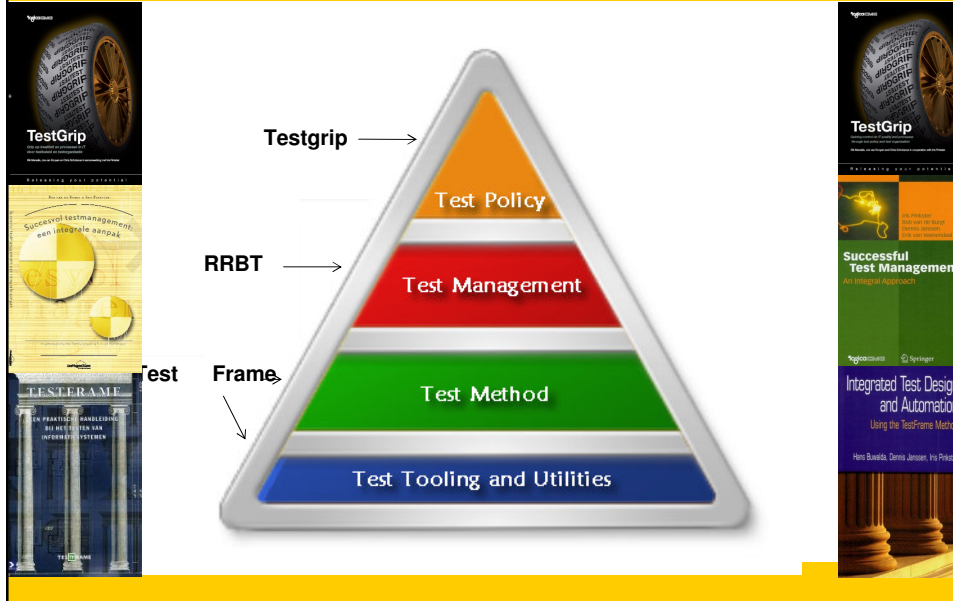
- Who am I?
- What have I done so far?

Who am I?

- Bart Knaack, Senior Test Advisor, Logica, The Netherlands
- 15 years experience in IT, of which 12 in testing.
- Developer, Development Lead, Tester, Testautomator, Testcoordinator, Testmanager, Testadvisor.
- Trainer in Testmanagement
- ISEB practionner
- SEI accredited CMMi Appraiser
- Father of 2 kids (age 6 and 8)

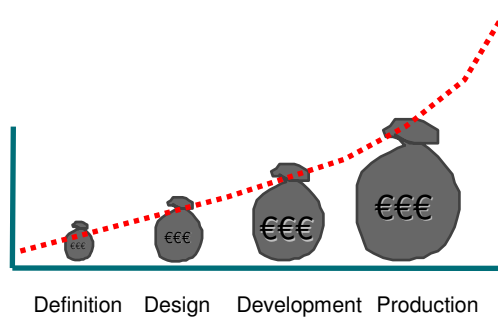


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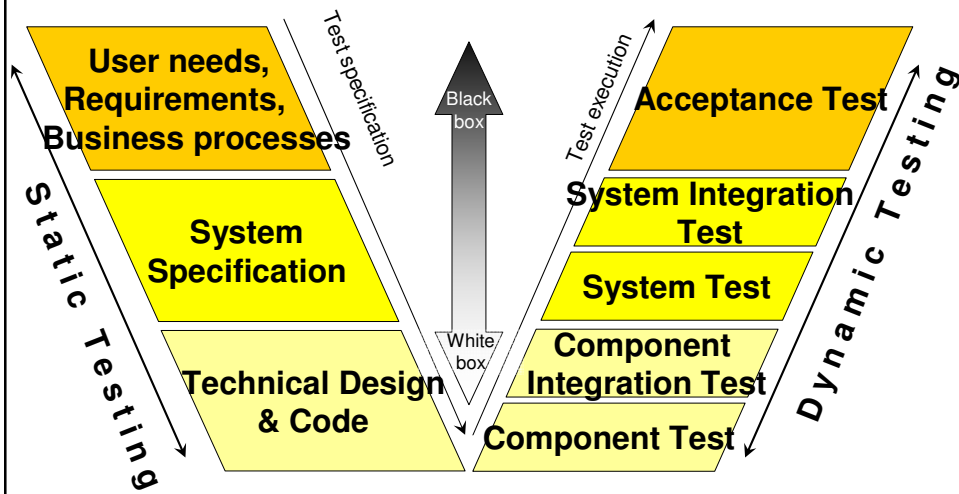


Why testing?

- Prevent defects during operation of the system.
- Verify intended functionality
- Boehms Curve
- Validation vs Verification
- Generic testing process.



Test levels in the V-model



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terms according to: **ISTQB**

Testing Theory versus Practice

- The State of testing per type of business
- Test Techniques

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The State of testing per type of business

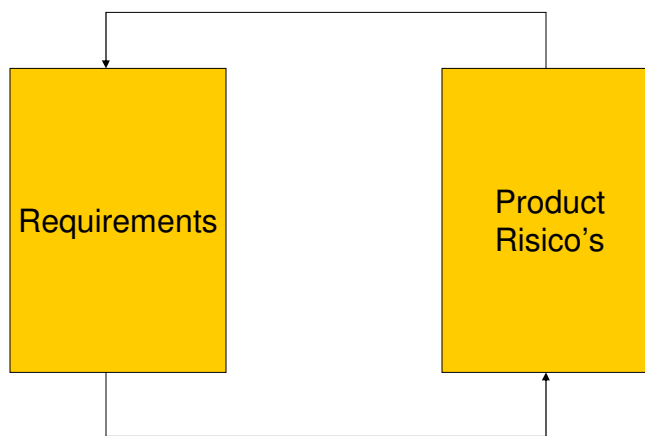
Branche	Test Maturity	Usage of test techniques	Testing as Career
Finance	+/-	-	+
Telecom/ Electronics	++	+	++
Government	-	-	+
Industry	+	+	+

Test Techniques

- Boundary Value Analysis, Equivalence partitioning, etc.
- Lack of exposure
- Lack of tool support
- Lack of adaptability
- Starting situation, Action, Expected result, Actual result.

- Risk and Requirements based testing approach
- The role and responsibilities of the testmanager
- The eight-facetet testmanagement model

Matching risico's met requirements



Wel risico, geen requirement:

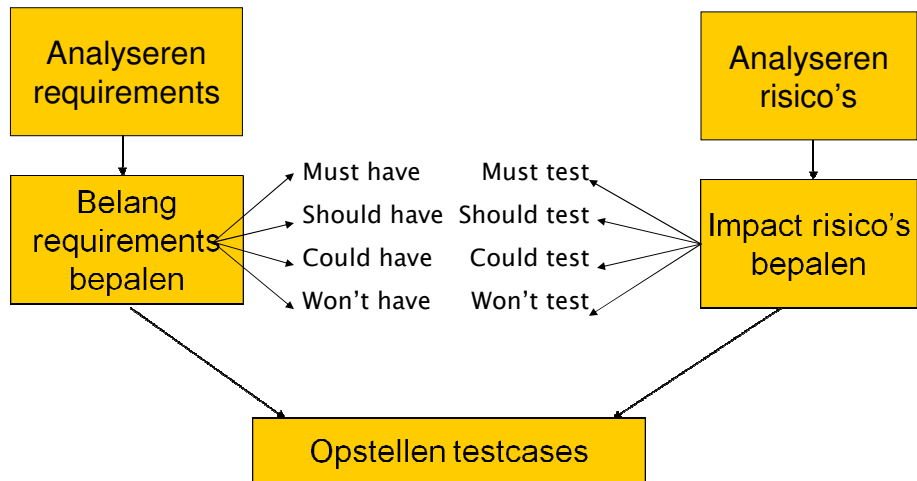
- Aanvullen requirement (eerder fouten vinden)
- Afvoeren risico (niet onnodig testen)

Wel requirement, geen risico:

- Risico lijst aanpassen (betere dekkingsgraad test)
- Requirement afvoeren (niet onnodig ontwikkelen, geen "franje")

Matching requirements met risico's

Combineren productrisico's en requirements

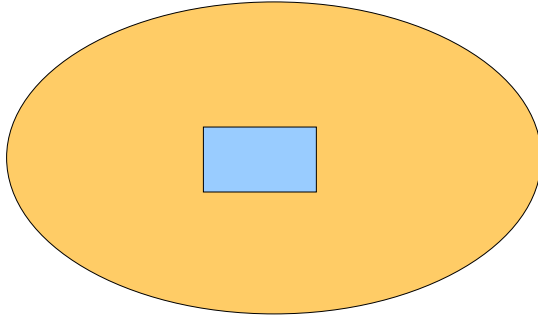


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Risk and requirements based testing

- Identify the stakeholders
- Determine productrisks
- Link product risks to requirements and quality attributes
- Determine testsorts.
- Determine acceptance criteria

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