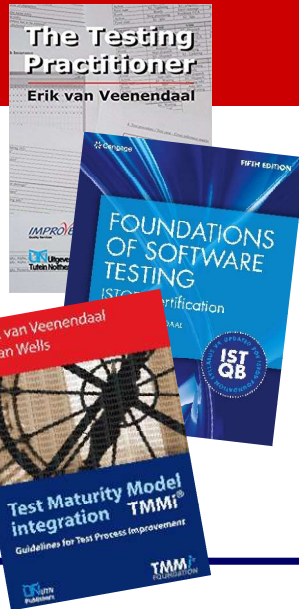


Reflecting on AI and Software Testing

Erik van Veenendaal



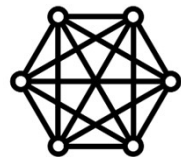
www.erikvanveenendaal.nl



What about ..



Data



Complexity



Privacy



Trust



Maturity

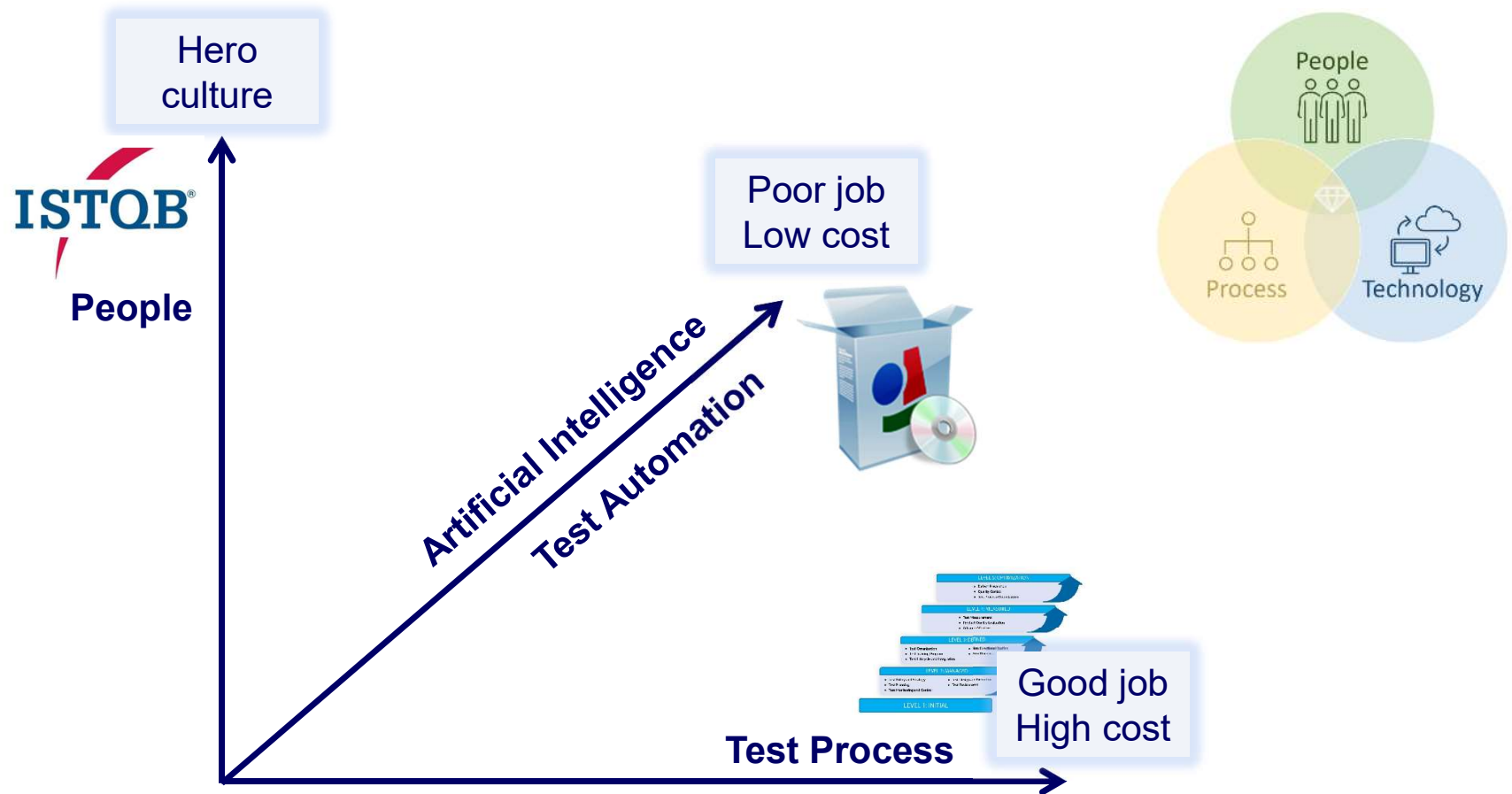


Responsibility

and more ..



PPT

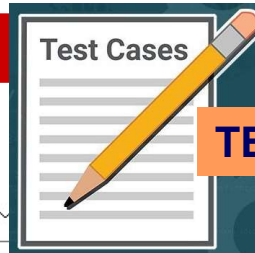


Let's go ..



TEST ANALYSIS

Req. No	Issue Description	Rule Violated
01	Business goal stated as system requirement	Testable
01	Not under system or team control	Technically Achievable
01	Value not directly tied to implementation	Valuable/Purposeful
02	Subjective language ("more smoothly than and other watch")	Unambiguous
02	Not measurable or verifiable	Testable
02	Multiple ideas in one statement	Compound
02	Incorrect grammar ("waked up")	Language
03	No business or technical justification provided	Rationale
03	No priority assigned	Priority
04	Uses "will" instead of "shall"	Language
04	No priority specified	Priority
04	No rationale given	Rationale



TEST DESIGN

Attribute	Type				Invalid EC's		
Card type	Set	EC1: Visa Card, Mastercard, American Express, Visa Delta			EC2: Blank (E109), EC3: Other value (E100)		
Card Number	Numeric	EC4: Numeric			EC5: Blank, EC6: Non-numeric, EC7 Fails algorithm (E102)		
Cardholder Name	Alpha	EC8: Non-blank, alpha ≤ 30 chars			EC9: Blank (E109), EC10: non-alpha (E300): >chars (E300)		
Valid To Date	Numeric YY	EC 12: Numeric current year ≤ YY ≤ 2030			EC13: Blank (E109), EC14: Non-numeric (E103), EC15: < current year, EC16: > 2030 (E104)		
Company ID	Alpha	EC17: Non-blank, alpha, registered			EC18: Blank (E109), E19: non-alpha, E20: Unregistered (E200)		
TC ID	Objective (EC's covered)	Card Type	Card Number	Cardholder name	Valid To Date	Company ID	Expected Result
01	Verify all valid inputs (EC1, EC4, EC8, EC12, EC17)	Visa Card	4111 1111 1111 1111 (valid)	JohnSmith	2025	98775	Processing continues, R02
02	Verify blank card type rejected (EC2)	(blank)	4111 1111 1111 1111	JohnSmith	2025	98775	E109 (blank not allowed)
03	Verify unknown card type rejected (EC3)	ABC Card	4111 1111 1111 1111	JohnSmith	2026	98775	E100 (card type unknown)
04	Verify blank card number rejected (EC5)	Master card	(blank)	JohnSmith	2027	98775	E109
05	Verify non-numeric card number rejected (EC6)	American Express	4111 ABCD 1234 1111	JohnSmith	2028	98775	E101 (must be numeric)
06	Verify incorrect card number rejected (EC7)	Visa Delta	4111 1111 1111 1112 (fail)	JohnSmith	2029	98775	E102 (incorrect number)



SAMPLE QUESTIONS

ISTQB CTF v4.0 – Practice Questions (Chapter 2)

Question 1 (1 Point)

Which of the following statements BEST describes how the software development lifecycle (SDLC) impacts testing?

- a) Testing is independent of the SDLC model chosen.
- b) The SDLC influences test levels, timing of activities, and documentation.
- c) Testing always occurs after implementation regardless of the SDLC.
- d) Testing activities are identical across all SDLC models.

Select ONE option.

Question 2 (1 Point)

Which of the following is an example of testing as a driver for development?

- a) Testers execute regression tests after every release.
- b) Developers create unit tests before writing code (test-first).
- c) Test managers prepare reports for stakeholders after execution.
- d) Business analysts write requirements after the code is developed.

Select ONE option.

Question 3 (1 Point)

Which of the following is NOT a characteristic of the DevOps approach to testing?

- a) Continuous integration and continuous testing.
- b) Strong collaboration between development, testing, and operations.
- c) Testing occurs only at the end of each release cycle.
- d) Automated deployment and monitoring in production.

Select ONE option.



AI will not take your job,
those with AI knowlegde and skills will.

If you don't know what you are doing,
don't do it with AI.