

What do Leaders Need to Know to Succeed in Agile Testing

Construx Leadership Summit, November 2019

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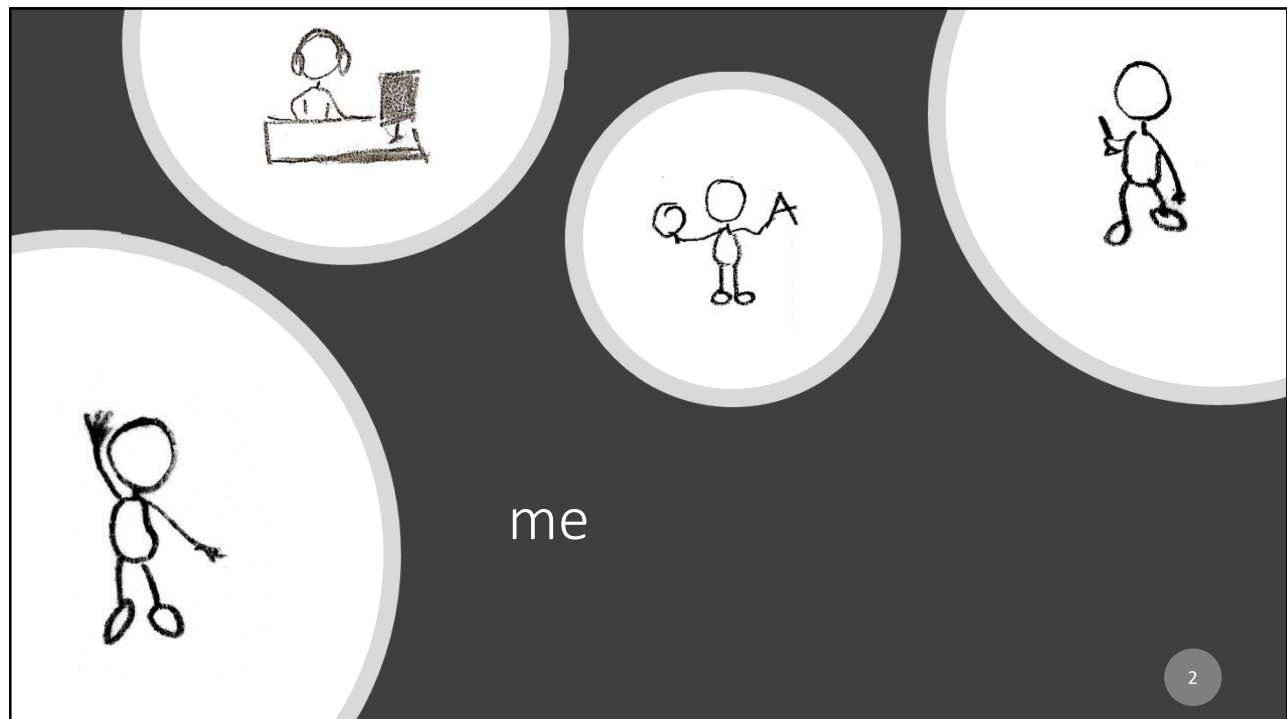
Agile Testing Fellowship

DragonFire Inc

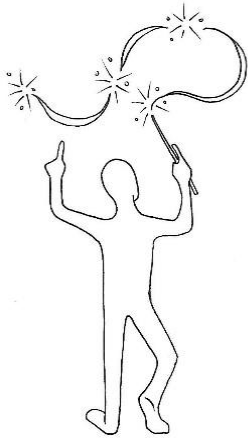


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“We do not need magic to change the world, we carry all the power we need inside ourselves already: we have the power to imagine better.”

— J.K. Rowling, author of the *Harry Potter* series

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The problems I see fall into 3 categories

1. Organizational culture
2. Delivery process - teams
3. Quality of the product

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From Melissa Perri, author of “Escaping the Build Trap”

She tells every leader that says,

“Let’s just focus on fixing the teams”, this:

People are going to get really good at their jobs and then realize they can’t do them because you didn’t take the time to build the space for them to succeed. Then they’re going to leave.

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Lack of Direction

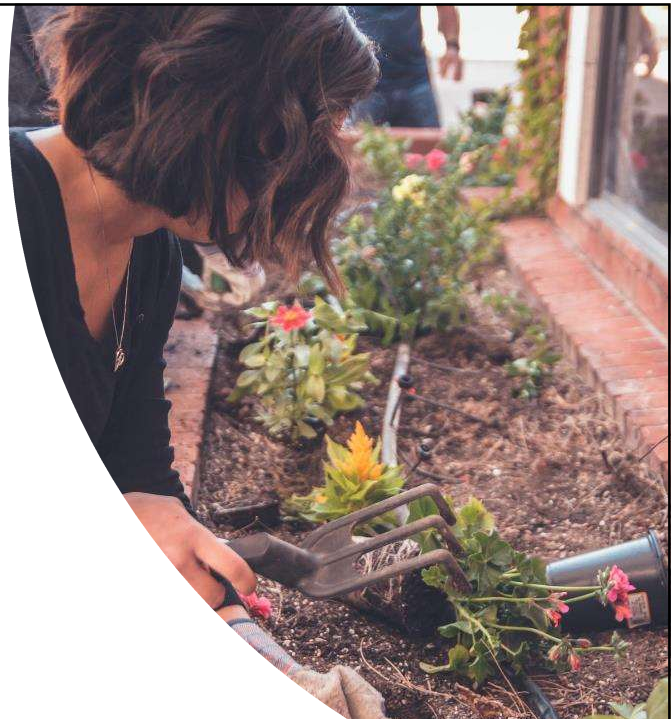
Causes ...

unrest / conflict

It can be fixed ...

address the environment

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Follow the \$\$\$

"Testing is costing us money"

"We can't afford to train the testers"

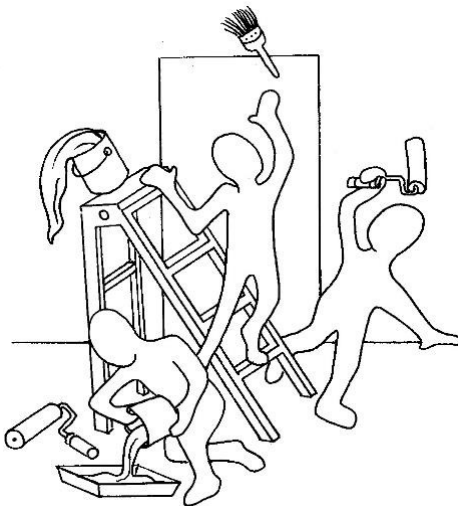
"We've fired the testers"

"Outsource the testing"

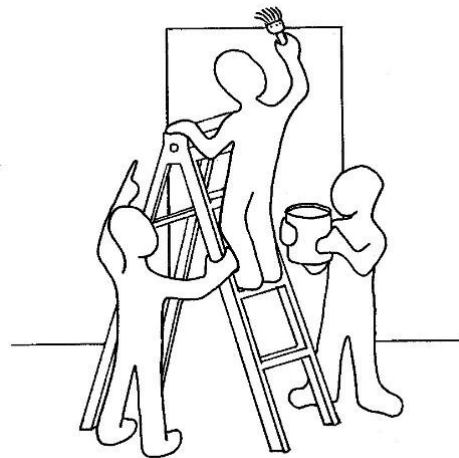
"Programmers can do all the testing"

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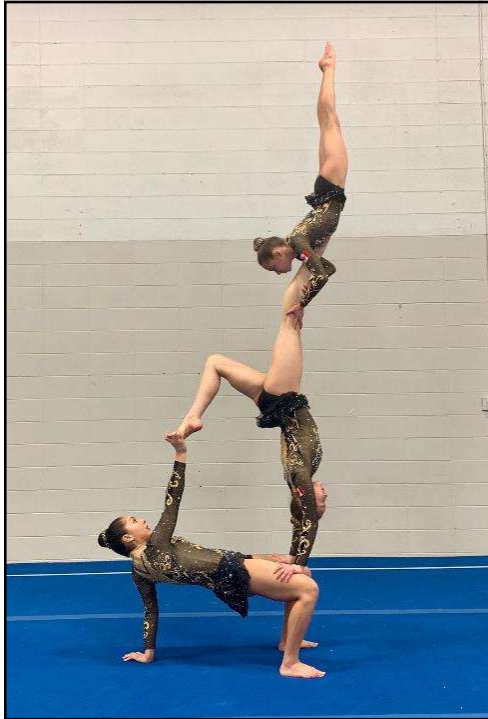
Pay me now, pay me later



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Trust

Do you blame?
Who do you reward?

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The Delivery Process

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Organizational vision

What are your priorities?

Does everyone share them?

Is everyone heading in the same direction?

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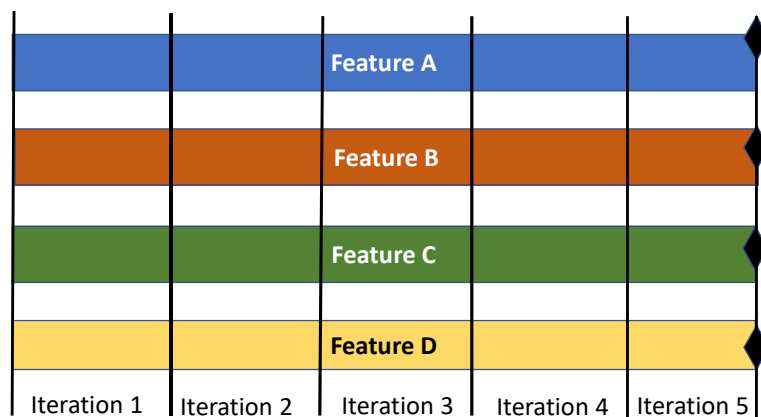
When every feature is priority 1

Team 1:
1 dev, ½ test

Team 2:
2 dev, ½ test

Team 3:
2 dev, ½ test

Team 4:
3 dev, ½ test



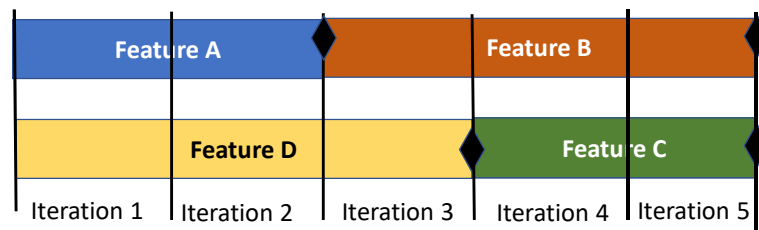
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When organizations prioritize features

Team 1:
3 dev, 1 test

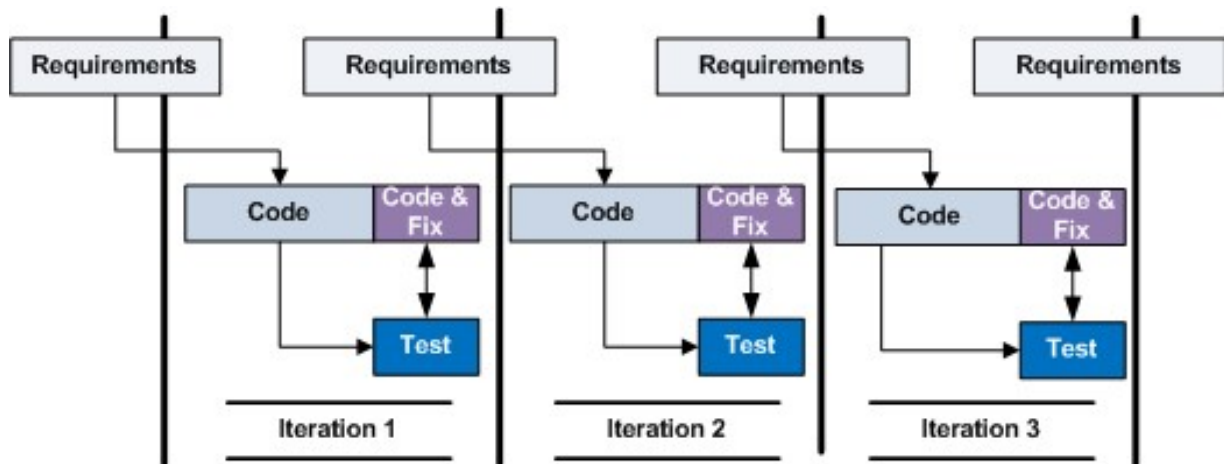
Team 2:
5 dev, 1 test



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Mini waterfall



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What do these terms mean to you?



ATDD/ BDD / TDD



CD - continuous delivery / deployment



Continuous testing / holistic testing

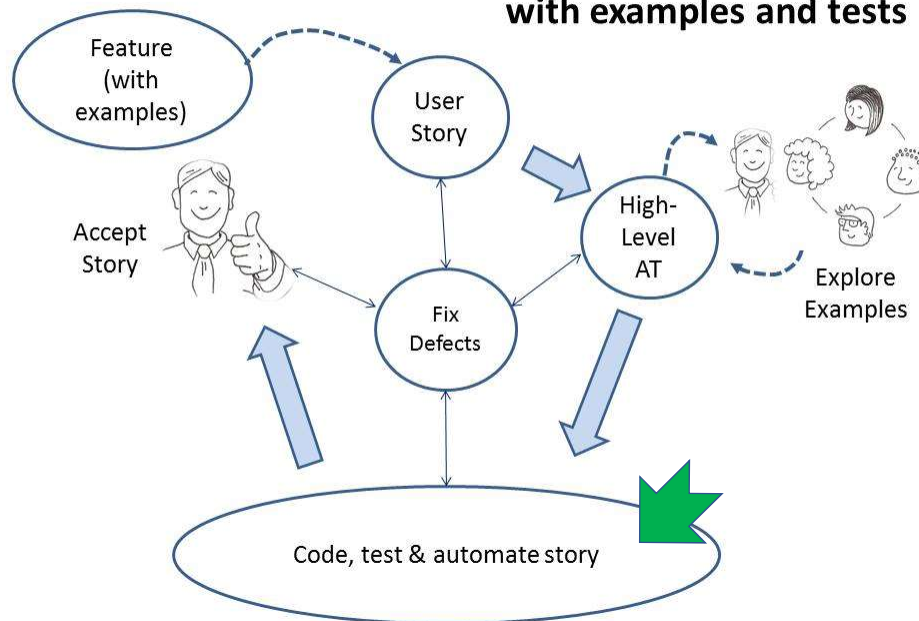


Shift-left

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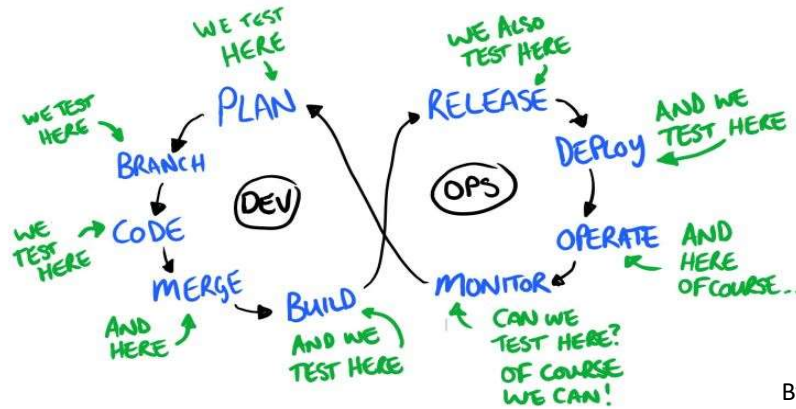
Guide development with examples and tests



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Continuous delivery or deployment (CD) = continuous testing



By Dan Ashby

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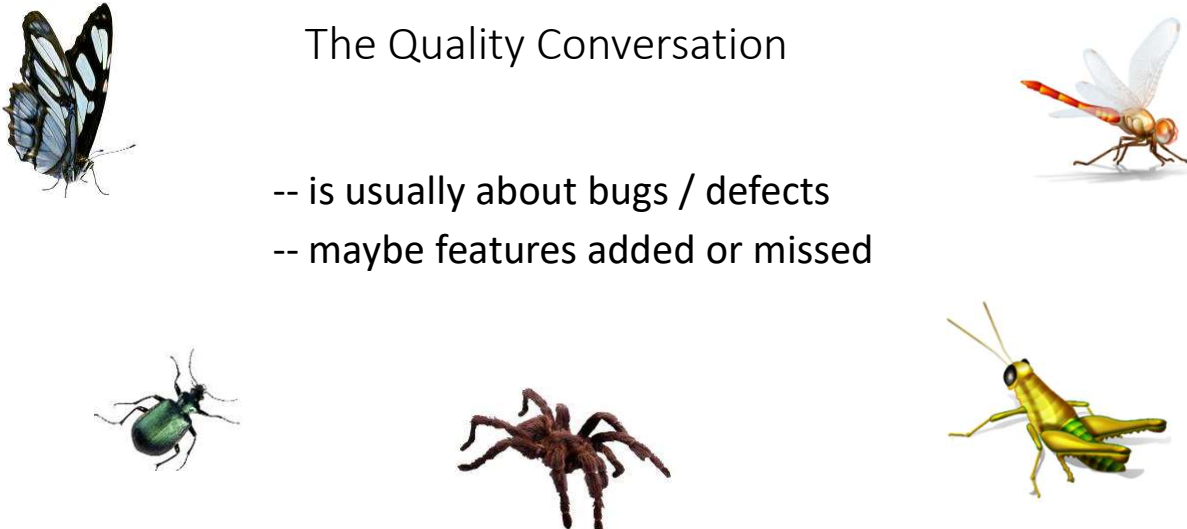
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Testing is a team responsibility

		Business Facing			
Guide Development	<div>Examples</div> <div>Story acceptance tests</div> <div>UX (user experience) tests</div> <div>Prototypes, simulations</div>		<div>Exploratory testing</div> <div>Workflows, usability testing</div> <div>UAT (user acceptance test)</div> <div>Monitoring and observability</div>		Critique the Product
	<div>Unit tests</div> <div>Component tests</div> <div>(code level)</div>		<div>Performance tests</div> <div>Load tests, security tests</div> <div>Quality attributes (...ilities)</div> <div>Recoverability</div>		
		Technology Facing			

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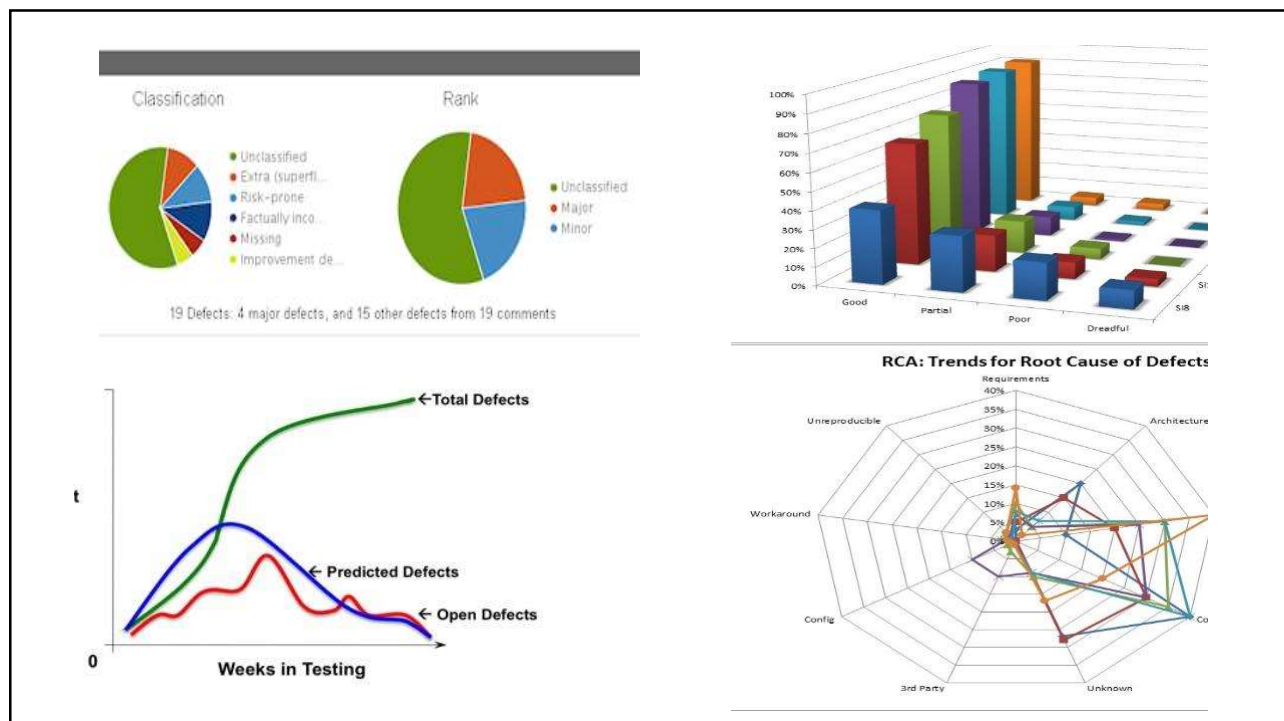
The Quality Conversation

-- is usually about bugs / defects

-- maybe features added or missed

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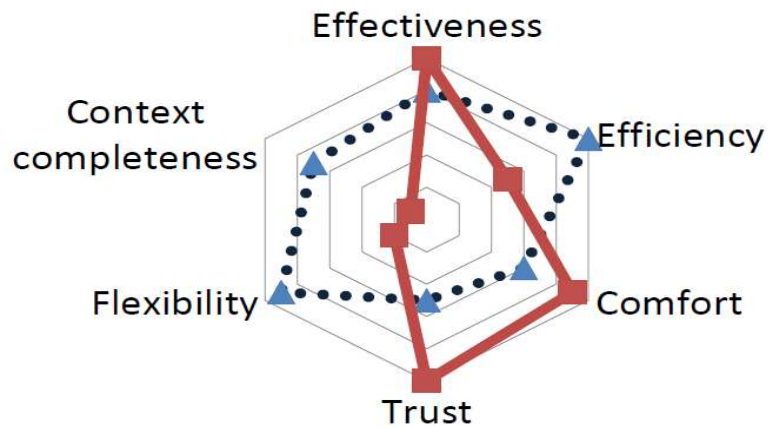
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So, how do we measure quality?

....it depends



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What problem are you trying to solve?

Confidence?

Product quality?

Process quality?

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Quality

Can't test quality it, need to build it in

Concentrate on quality, speed will come

Concentrate on speed, quality disappears

Quality costs money ... or is it the other way around... lack of quality costs more

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What's Next?

Understand your culture

Understand your process and the part you play

Have the quality conversation

Invest in the future

Use guidelines, trust your teams

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Agile Testing Condensed, A brief introduction

Agile Testing: A Practical Guide for Testers and Agile Teams

More Agile Testing: Learning Journeys for the Whole Team

By Janet Gregory and Lisa Crispin

www.agiletester.ca

www.agiletester.com

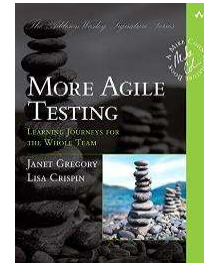
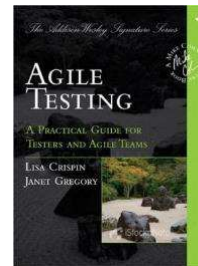
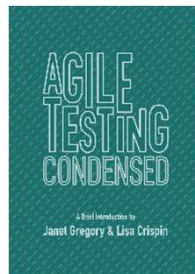
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