

Key Factors for Agile Testing Success

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With material from Lisa Crispin



My message today

Ideas for successful agile testing

Changes in agile testing

And hopefully the understanding of the mindset change in that needs to accompany the adoption of agile

“agility”

A methodology or a philosophy?

So simple to define

So hard to implement

Acid Test – as defined by Elisabeth Hendrickson

Agile teams:

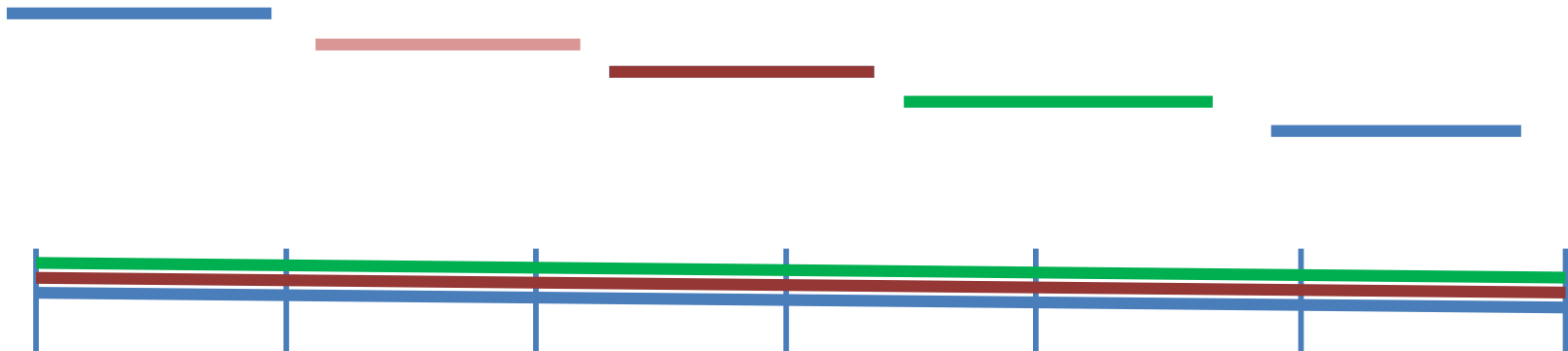
produce a continuous stream of value
at a sustainable pace

while adapting to the changing needs of
the business.

<http://testobsessed.com/blog/2010/12/14/the-agile-acid-test/>

agile testing is

- an activity; not a phase
- interactive and starts from the beginning
- more than testing code



Original 7 Key Success Factors

Agile Testing: A Practical Guide for Testers and Agile Teams

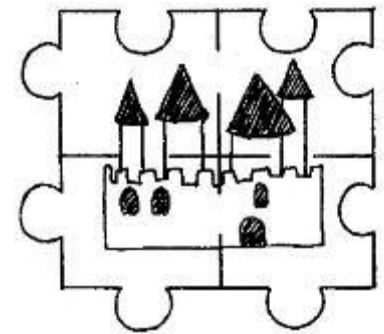
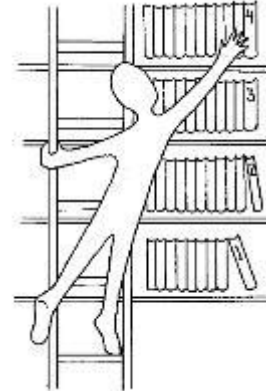
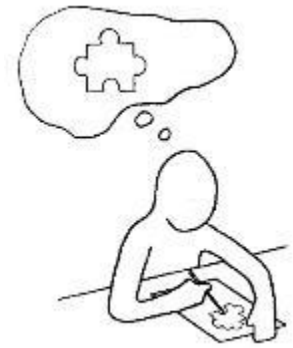
1. Use the whole-team approach
2. Adopt an agile testing mindset
3. Automate your regression suite
4. Provide and obtain feedback
5. Build a foundation of core agile values
6. Collaborate with your customers
7. Look at the big picture



Confidence Building Practices

More Agile Testing: Learning Journeys for the Whole Team

1. Use real examples
2. Perform exploratory testing
3. Test your features (and the system)
4. Learn continually
5. Sensitivity to your context
6. Keep it real



#1 - Use Real Examples

- Ask what problem are they trying to solve?
- What examples express the intent of the story / feature?
- Identify risks so customer can make best decision.



And then

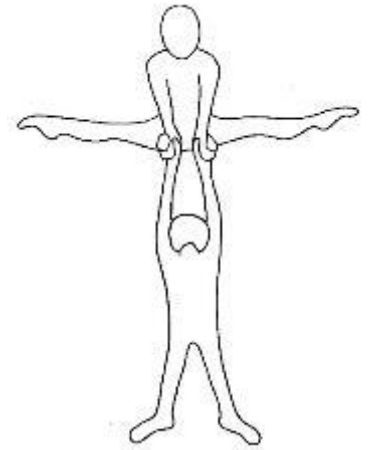
LISTEN

!!!

Earn their

TRUST

A Simple Exercise



1. Find a pair
2. One person faces away from the screen
3. The other person will have 2 -3 minutes to describe the picture I show next
4. When I say stop, turn around and discuss any differences in what was described.



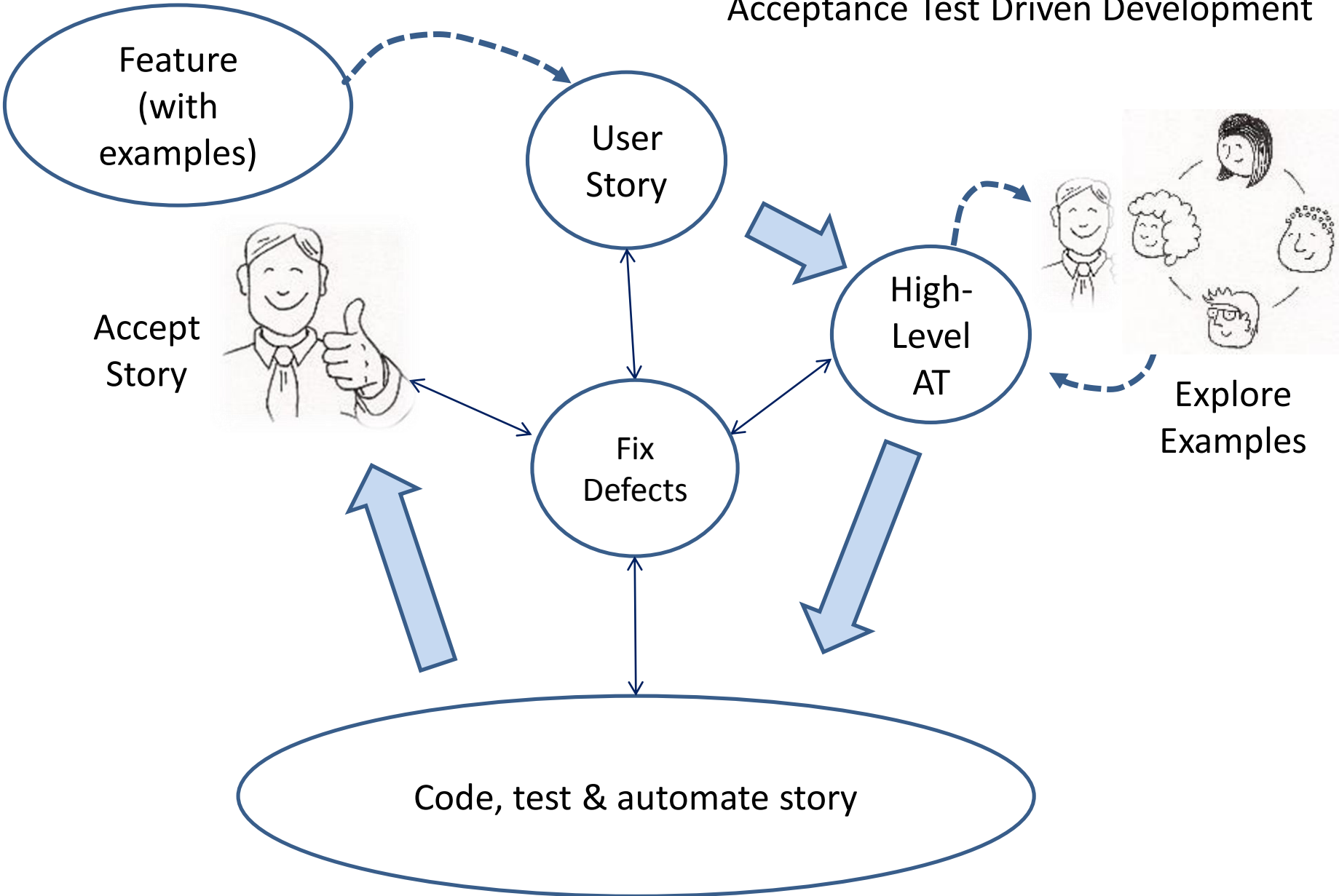
Focus on the business first!

**an example
would be handy
right about now**

www.exampler.com

ATDD

Acceptance Test Driven Development



2 - Exploratory Testing



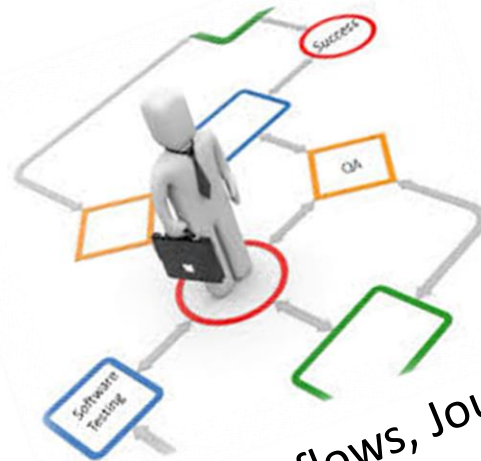
Personas



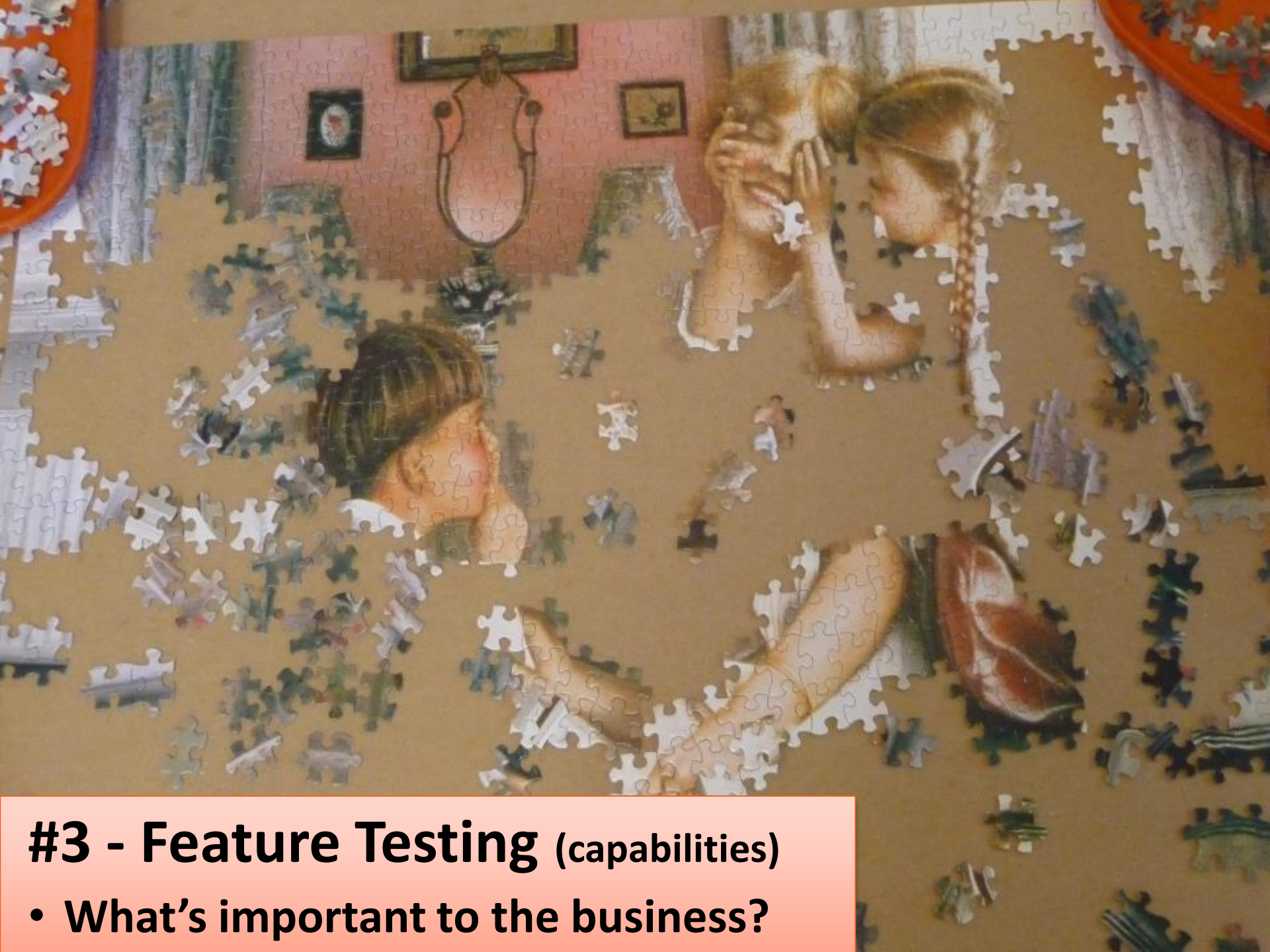
Tours



Risks



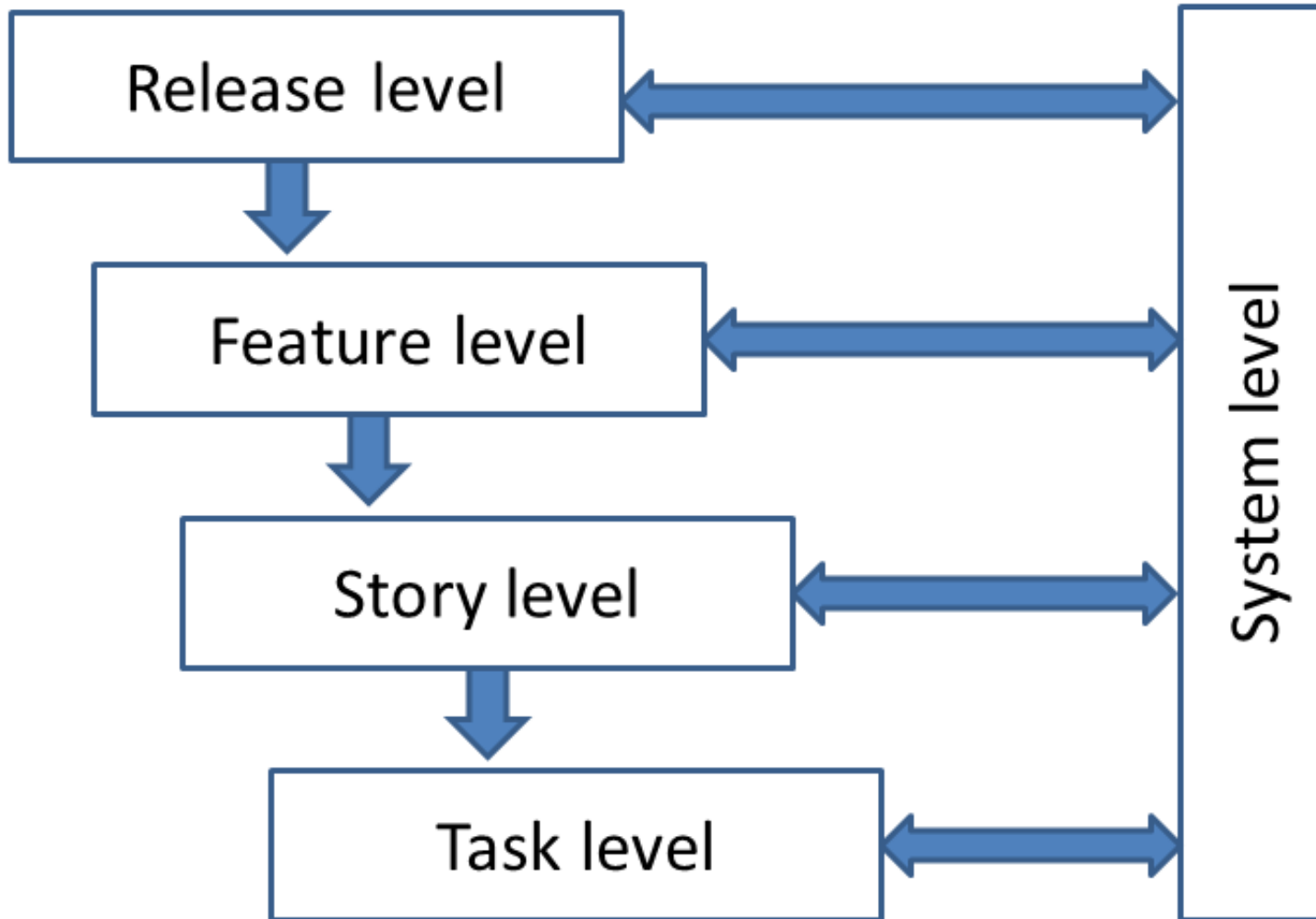
Workflows, Journeys



#3 - Feature Testing (capabilities)

- What's important to the business?

Think System Impact



#4 - Continual Learning – through play

Innovate

Observe



The Thinking Tester

Analytical

Relentlessly Curious

Observant

Skeptical

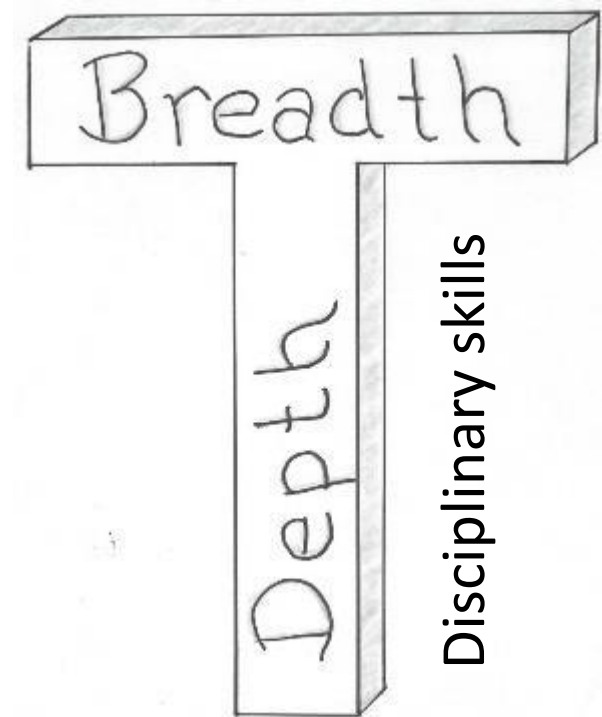
Empiricist

Critical Thinker

Investigator

<http://www.slideshare.net/ehendrickson>

Cross-functional knowledge



Agile Testing Mind-set



Instead of

We're here to find bugs ... or ensure requirements are met ... or break the software ...

Think

What can I do to help deliver the software successfully!



#5 - What is Your Context?



Cultural differences



Mobile and embedded



Distributed teams



Data & BI



Large organizations



In Summary

There's no magic!

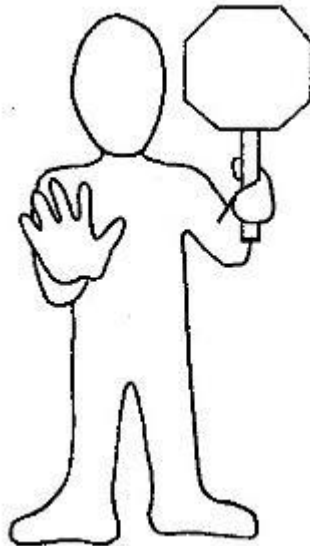
Teams need
to stop
living in a
fantasy world



#7 - Keep it Real



- Don't over promise
- Keep testing in sync with development
- Make your information visible
- Work to remove testing constraints



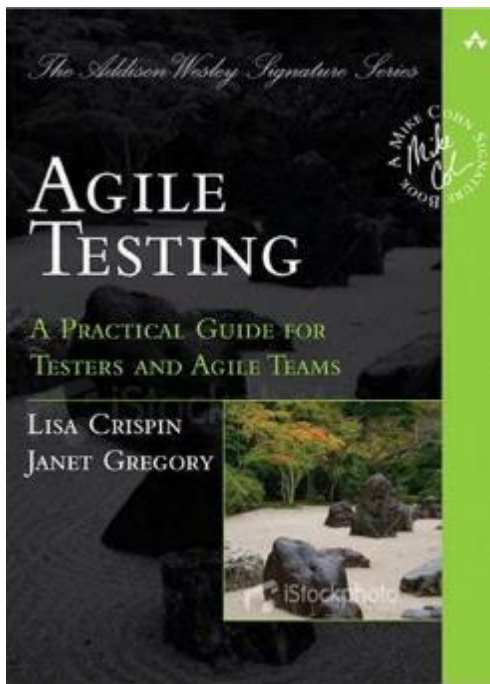
The TESTING Manifesto

we value:

- Testing throughout **over** at the end
- Preventing bugs **over** finding bugs
- Testing understanding **over** checking functionality
- Building the best system **over** breaking the system
- Team responsibility for quality **over** tester responsibility

Questions?



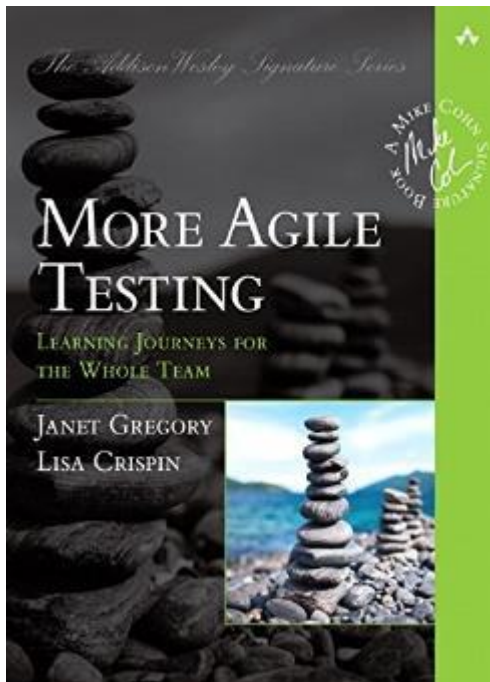


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Other Agile Testing Resources

- agile-testing@yahoogroups.com
- Elisabeth Hendrickson, *Explore It!*, Pragmatic Programmer's Bookshelf, 2013 < www.testobsessed.com >
- Markus Gartner, *ATDD By Example: A Practical Guide to Acceptance Test-Driven Development*, Addison-Wesley 2012
- Specification by Example, Gojko Adzic, Manning 2011
- Rob Lambert "*T-shaped Testers and Their Role In A Team*"
<http://thesocialtester.co.uk/t-shaped-testers-and-their-role-in-a-team/> >
- Agile Manifesto: <http://agilemanifesto.org/>