Introduction to Agile Testing

Everyone Owns Quality!

Agile 2015 Conference
Washington, D.C. August 2015

Lisa Crispin @lisacrispin
Janet Gregory @janetgregoryca
A little about us

Agile Testing; 2009
Agile Testing Collection: July 2015

www.agiletester.com
www.agiletester.ca

Janet
First agile team: 2000
Currently coaching, training
Twitter: janetgregoryca
Email: janet@agiletester.ca

Lisa
First agile team – 2000
Currently tester on Pivotal Tracker team
Twitter: lisacrispin
Email: lisa@agiletester.ca
Learning intentions

• Whole team responsibility for quality and testing
• The value of testers and testing
• How to work together to build the right thing right
• Fitting testing into agile iterations
• Guiding development with examples and tests
Whole Team Responsibility
Testing on agile projects is .......... 
more than “just” testing code 

It’s an activity - not a phase
Blurred Roles – Whole Team

Functional Teams
- Programmer
- Domain Expert
- Tester
- Designer
- Business Analyst

Agile Team
- Programmer
- Domain Expert
- Business Analyst
- Tester
- Designer
- ??????
Importance of Collaboration (and trust)
Collaboration can help to..

- Get the customers get what they want
- Prevent defects
**Feature (with examples)**

**User Story**

**Fix Defects**

**High-Level AT**

**Accept Story**

**Explore Examples**

**Code, test & automate story**

**ATDD**

Acceptance Test Driven Development
an example
would be handy
right about now

www.exampler.com
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.
How
Testers
Can
Add
Value
Testers ....

• are question askers
• can help plan what testing needs to be done
• think testing ... all the time
• keep an eye on the big picture
Plan for testing at different levels

Release level

Feature level

Story level

Task level

System level
Testing Skills
• Good testing practices, applied differently
• Start with tests
• Test throughout coding/delivery
• Use models to help plan
Exploratory Testing

Personas

Tours

Risks

Workflows, Journeys
Thinking Skills
Examples of thinking skills

• Collaborating
• Communicating
• Eliciting examples
• Asking questions
• Getting/delivering info: “Show me”
Technical Awareness for Testers
T-Shaped Skills

- Expert Discipline skills
- Multi-discipline skills
What skills do you think help with testing?
For successful testing:

• Team selects testing framework together
  • and the DSL (domain specific language)

• Shared common language helps shared understanding

• Testers can read code, pair w/ programmers to understand it

• Programmers write prod, test code

• Everyone learns domain
The Test Automation Volcano Fable

Matt Barcomb
Test Automation Pyramid
Automation is a team activity
Bring your excellent testing skills

- Use them continually, incrementally, iteratively
- Make testing a team problem, including automation
- Elicit executable examples from customers/stakeholders
- Test small chunks, but keep the big picture in mind
Let’s wrap-up with some good practices
The 7 Success Factors for Agile Testing

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

From Agile Testing: A Practical Guide for Testers and Agile Teams
Confidence Building Practices

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

From More Agile Testing: Learning Journeys for the Whole Team
There’s not one right way
Find ways that you can add value to your team
And then .... keep learning
More Learning

- Keogh, Liz, http://lunivore.com - look for her posts on BDD, Real Options
- Knight, Adam P., "T-shaped Tester, Square Shaped Team", http://thesocialtester.co.uk/t-shaped-tester-square-shaped-team/, 2013
- Lambert, Rob, "T-shaped Testers and Their Role In a Team", http://thesocialtester.co.uk/t-shaped-testers-and-their-role-in-a-team/, 2012
- Patton, Jeff, *User Story Mapping*, 2014
Save 45% - Today Only informit.com/deals

Two complete books together for just $34.64

Share on Twitter!
- #agile2015
- @lisacrispin, @janetgregoryca
- @informit

Offer ends 12:00 AM, PST

Print Books – Available at the Agile Conference Bookstore

DRM-Free eBooks are provided in EPUB, PDF, and MOBI formats – Good for all eReaders and desktop
Agile Testing: A Practical Guide for Testers and Agile Teams

More Agile Testing: Learning Journeys for the Whole Team

The Agile Testing Collection: an ebook

By Janet Gregory and Lisa Crispin

www.agiletester.ca
www.agiletester.com

Contact info

www.janetgregory.ca
Email: janet@agiletester.ca
Twitter: janetgregoryca

lisacrispin.com
Email: lisa@agiletester.ca
Twitter: lisacrispin