

Transitioning from Manual to Automated Testing

Agile/Lean Practitioners - 11/18/2014

Agenda

- The Rules
- General Software QA
- Agile ROI thinking
- When to automate
- Overcoming objections
- Automation as Development
- Where to focus automation
- Who automates?

The Rules

- For now, you are all experts
 - When I ask a question, I am looking for your answer
 - I will share my answer if I think it adds additional value
- Particularly share
 - Real-world experiences
 - Non-QA opinions

General Software QA

- How do you define Software QA?
- How do you accomplish Software QA?

Agile ROI thinking

Why will automation pay off?

What is the goal?

How does automation help achieve that goal?

- When will automation pay off?
 - What kinds of tests?
 - What timing in the project?

Agile ROI thinking

- Do your answers change with a Lean or Agile project?

When to Automate?

- When should you automate?
 - As part of Story development?
 - After all tests are completed but within an iteration?
 - After the iteration?
 - Other?
- What are the advantages/risks of your answer?

Overcoming Objections

- What are the most common objections?
 - Automation is expensive
 - Code changes mean continuous maintenance
 - Tools may not support display technologies
 - Skilled automators are hard to find
 - Others
- What is the response to each?

Automation as Development

- What do you expect from your developers?
 - Peer review?
 - Coding standards?
 - Proven frameworks?
 - Thorough testing?
 - Incremental delivery?
 - Continuous improvement?
 - Training?
 - Others?

Where to focus automation

- What makes automation possible?
- What makes automation expensive?
- What can you control?

Who Automates?

- What roles exist in a Scrum team?