BETTER SAFE THAN SORRY

by

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THE ROLE OF TESTING PROFESSIONALS TODAY

The “Messi”’s, “Ronaldo”’s, and “Eriksen”’s in software development?
BEST CASE?

Forward, playmaker, midfielder, defender or goalkeeper - last defence
COMMON CASE?

Part of the team but mostly waiting and watching from the side line
DREAM ROLE?

Mandate to stop foul play - ensure everyone plays by the rules
THE EXCEPTION?

Spectator - no longer part of the game
THE NEW PLAYING FIELD

Scaled Agile Framework for Lean Enterprises
According to World Quality Report 2017-18 most organisations have adopted some form of Agile methodology for at least some of their projects.
According to World Quality Report 2017-18 SAFe® has grown in popularity as an approach to testing in Agile.
WILL THE ROLE OF TESTING PROFESSIONALS CHANGE?

- Combination of
  - New groundbreaking technologies
  - Acceleration in availability
  - Rethinking one’s identity

Source: Jonathan Løw, Listen Louder
THE FIRST 3D PRINTED HOME

Source: Jonathan Løw and Susanne Odgaard
ACCELERATION IN AVAILABILITY

Figure 5. Time to reach 50 million users

- Telephone: 75 Years
- Radio: 38 Years
- TV: 13 Years
- Internet: 4 Years
- Facebook: 3.5 Years
- Angry Birds: 35 Days

Source: Citi Digital Strategy Team
RETHINKING ONE’S IDENTITY

Volkswagen Group

“We are a globally leading provider of sustainable mobility”
IS THERE A ROLE FOR TESTERS IN SAFE?
SIMILAR ROLES
- BUT NO TEST MANAGER

Product Owner
- Team Backlog of user stories

Scrum Master
- Team Ways of Working

Dev Team
- Define, build, test and implement solutions

Product Mgmt.
- ART Backlog of Features

Release Train Engineer
- ART Ways of Working

System Architect
- Architectural runway and technical excellence
SIMILAR EVENTS ON TEAM AND ART LEVEL

- **Plan**
  - Iteration planning (2-4 weeks)
  - Program Increment Planning (8-12 weeks)

- **Execute**
  - Daily Stand-Up
  - Scrum of Scrums & ART Sync

- **Demo**
  - Review - User stories
  - System Demo - Features

- **Improve**
  - Retro
  - Inspect & Adapt
PRECONDITIONS FOR AGILE TESTING IN SAFE®

Agile Testing in Agile Teams, incl good practices like:

• Testable acceptance criteria on user stories
• Review and early feedback on everything
• Test-First Approach
• Automated delivery and deployment
• Decent coverage by automated tests on all levels, not just unit/component
• Exploratory testing
• Testing in the same iteration
CONTRIBUTING TO PI PLANNING

- All people on the ART and relevant stakeholders meet face-to-face for 2 days to plan the next Program Increment (PI)
- The plan is documented on the Program Board

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The Program Board shows:
- Dependencies
- Feature Delivery
- Milestones
Dedicated swim lane for larger or more complex testing activities, e.g., Release Testing.
BETTER SAFE THAN SORRY

• Rethink our identity as testing professionals

• Contribute to frameworks like SAFe

• Improve testing practices using tools and technologies
CONTACT DETAILS

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