



From waterfalls to rapids

an experience report

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ClinPhone **RTSM** Imaging CTMS EDC ePRO Solutions

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INFORMATICS®

- Calm
- Serene
- Symmetry
- Beautiful
- Peaceful
- Inside ?



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Prelude

Introductions

- Me
- You
- Raise your hand if...
 - You have little idea about Agile or scrum
 - You are working in Agile environment
 - You are a non-tester

Interruptions solicited

Agenda

- why
- how
- where

Why ?



Transparency



Shorter release cycles

- Reduce inventory
- Feedback
- Quality
- Reduce total time ?



Inspect and Adapt

- Retrospectives
- Customer feedback



Dev-Test Silos

- Who do you eat lunch with ?
- Two teams working as one team or one team ?
- Team interactions or individual interactions ?



Dev-Test ratio

- What is a healthy ratio ?

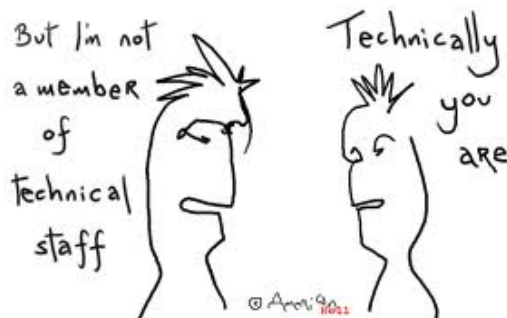


Exclusive ownership

- Who own the assets ?
- Do developers test ?
- Do Testers change code ?



“Technical” test staff

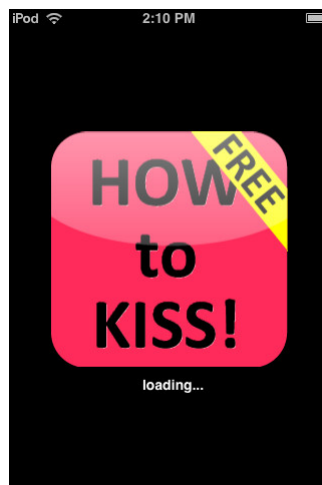


Long endgame QA phase

- Lack of automation
- Lack of domain knowledge
- Cemented dev-qa silos
- QA documentation



How ?



Top to bottom

- Management initiated
- Team initiated



Time and energy

- Expensive
- Commitment

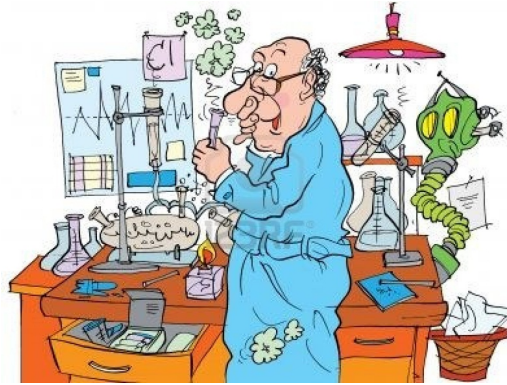


Learnings



Experimental

- Processes
- Product



Tools

- Basecamp
- SeeNowDo
- Pivotal Tracker
- Rally
- White-board



Extreme Programming

- Unit Testing
- Pair programming
- TDD
- BDD
- Continuous Delivery
- Code reviews



Culture

- Process or culture ?



Where ?



Success !



Dev-QA ratio



Shorter QA phase

**LET'S
KEEP IT
> SHORT <**

Self reliant teams

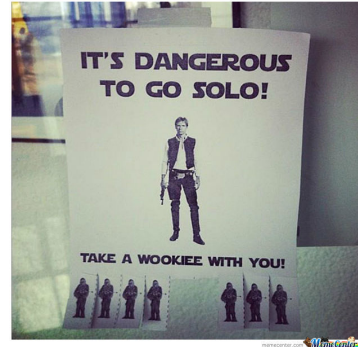


Automation



Joint ownership

- Quality is everyone's responsibility
- Joint exploratory testing
- Pairing



Better collaboration

- Developers <- Domain knowledge
- Testers <- Technical help



crossover



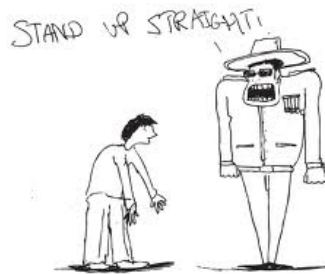
Limited success !



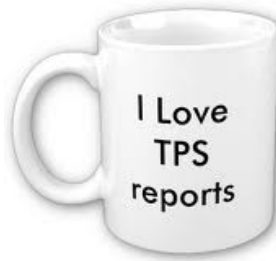
Transparency ? Not so much



Gimmickry of scrum



Documentation burden



Challenge of changing culture



Too many meetings ?

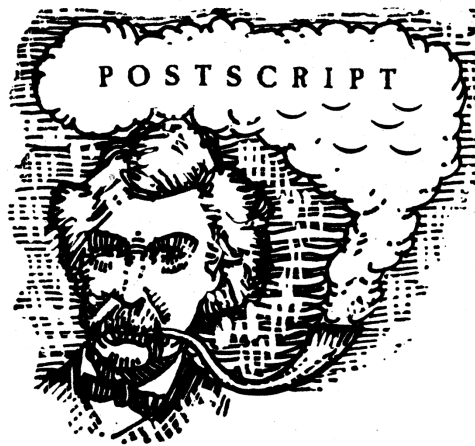


Lessons learned



Lessons learned

- Don't follow scrum by book
- Don't over sell it
- Be wary of vendors - but do seek help



Factors

- The domain
- The customers
- Technology
- Nature of the application
- Your market
- Who initiated the transition
- Human factor

Closing thoughts

- Quite a ride
- Next job : Agile again
- Startup vs. Not-so-startup
- Developers ?

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