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Post-Trade Testing: Per Aspera ad Astra

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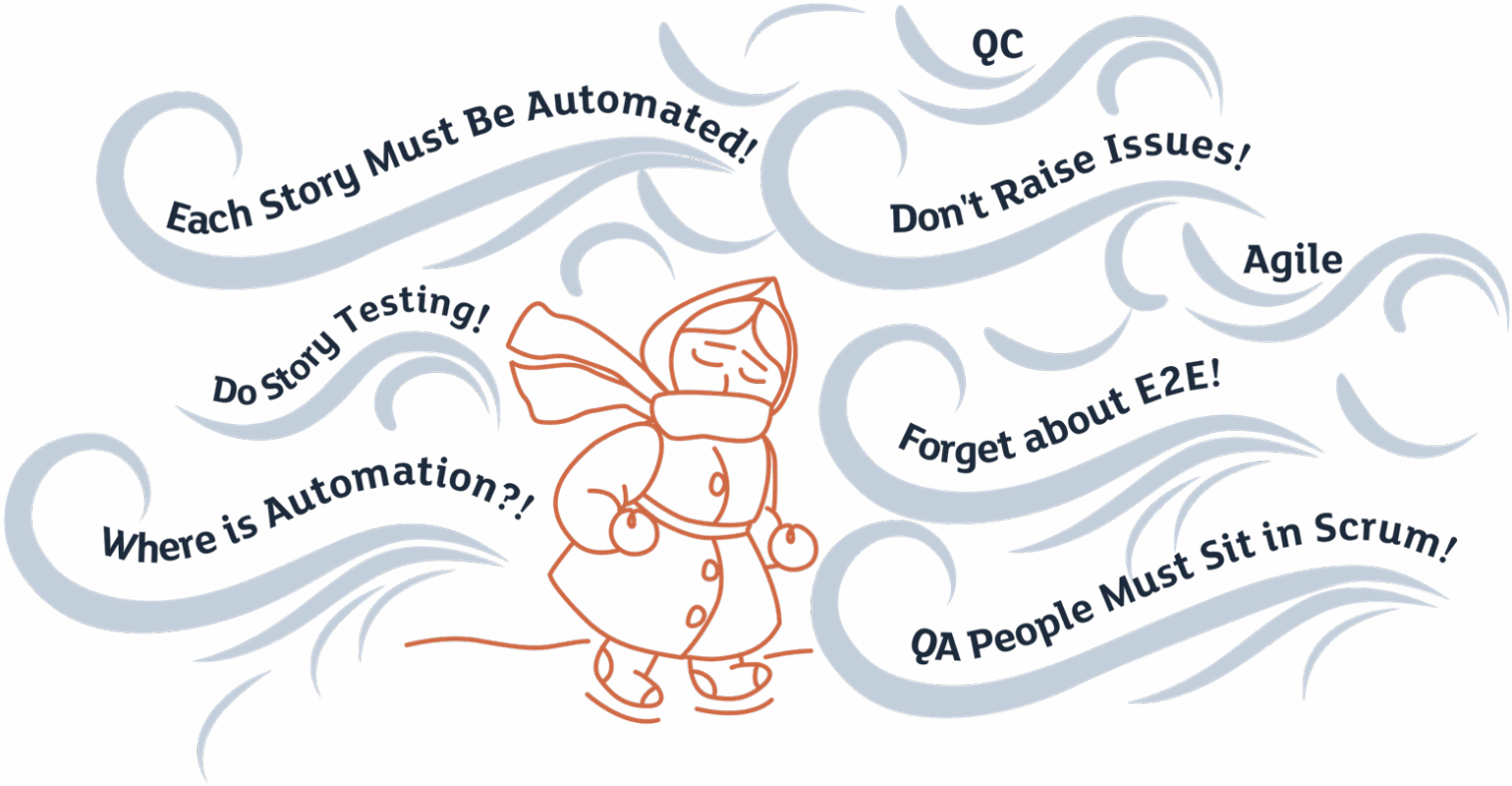

Agile Work vs Cargo-cult

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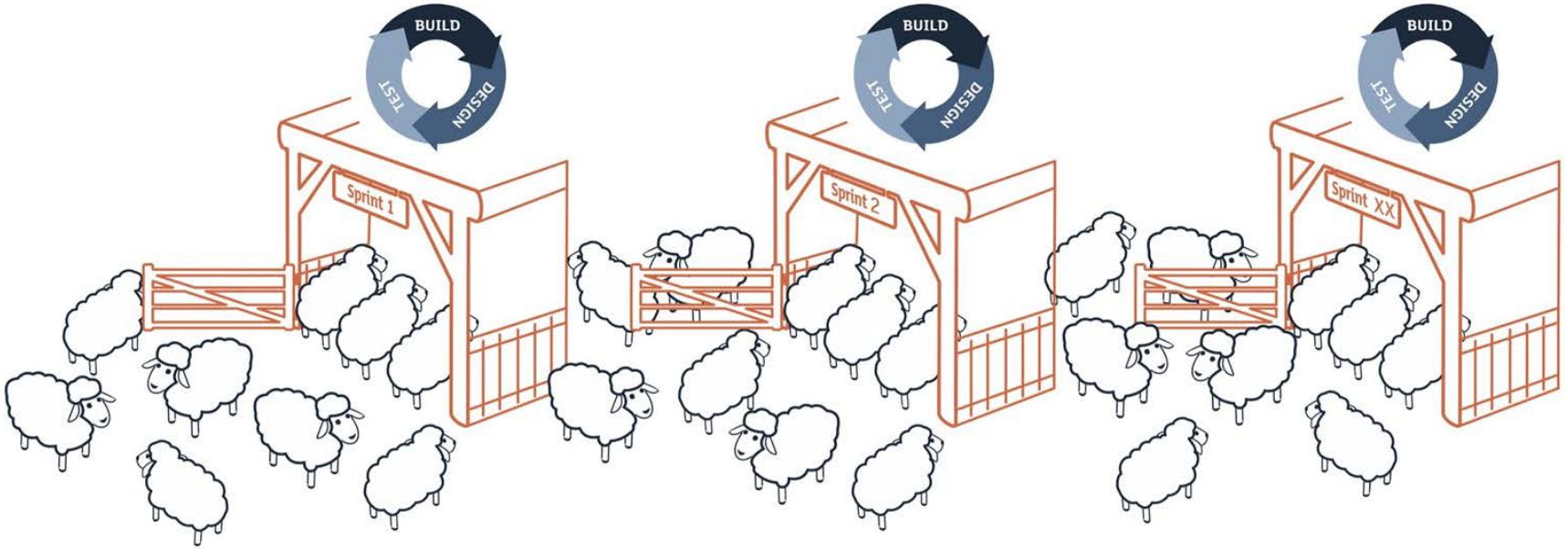

Implementing Agile

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QA:

- Keeps focus on testing the overall functionality
- Focuses on the entire e2e scenarios, as well as the deliverables
- Invests into the automation of a comprehensive E2E library
- Establishes the internal processes
- Highlights the missing processes
- Aims to ensure that change works, rather than making sure that the story is tested and closed within the active sprint

Collaborating with Agile: Challenges

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- QA team equipped with a test orchestration framework
- Comprehensive E2E Regression library
- Daily regression/ “The Big Button” framework
- Drop procedure
- Reference Data management/automation
- Requirements Knowledge Base
- Healthy communication between QA, BA and DEV

Post-trade Testing: Challenges

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- High number of components of complex post-trade infrastructures
- Upstream and downstream system dependency
- Participant structure

- Trade/Xfer/Position/Account life cycle
- Asset Classes
- Risk calculation
- Access via a variety of API endpoints (FIX, SWIFT, Custom API)

Post-trade Testing: Challenges

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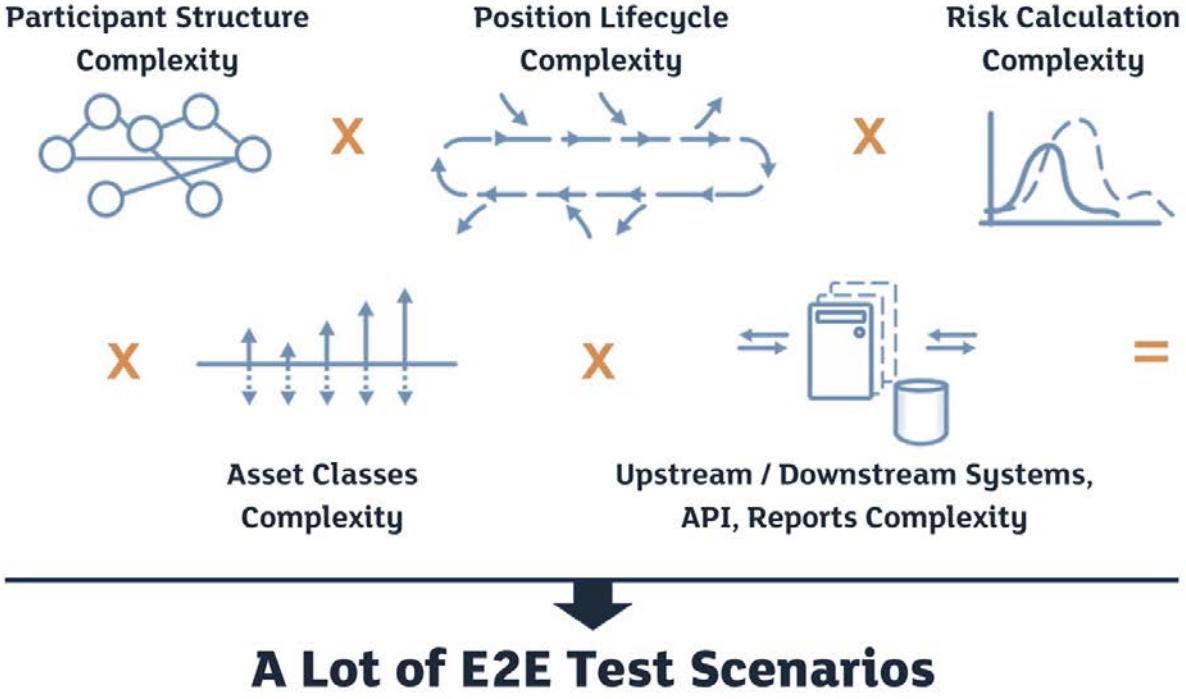
Test library parametrization



Innovation in QA:
Holistic Integrated Automation Test Framework

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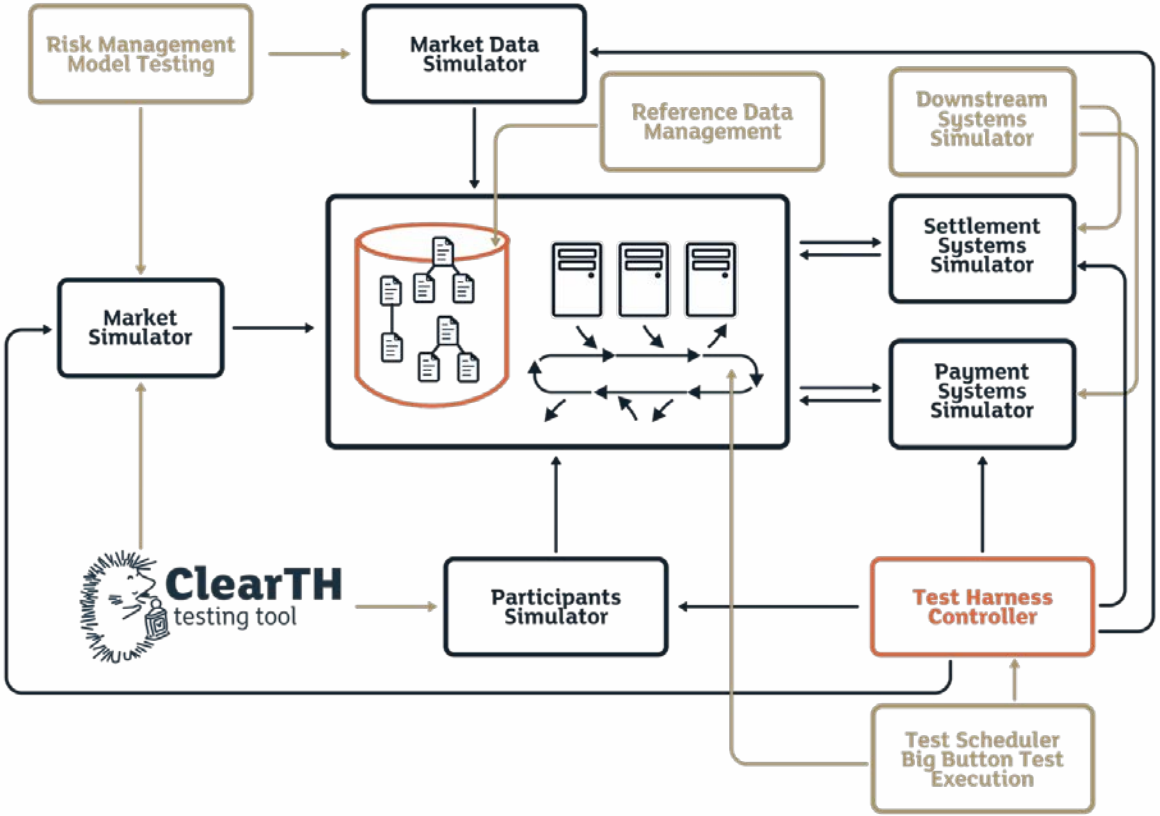

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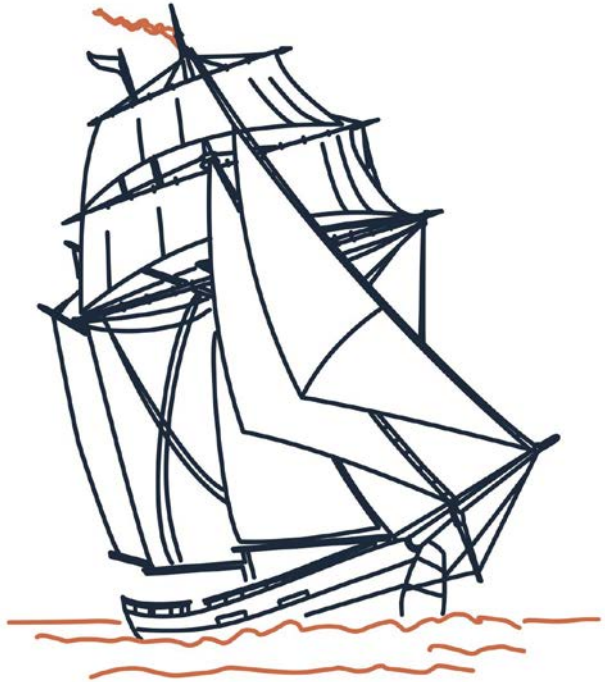
Those who know the sea and ships
Not just from candy wrappers,
Those who have been drilled the way we have,
Don’t romanticize the sea any more.
(A Russian Navy Song)