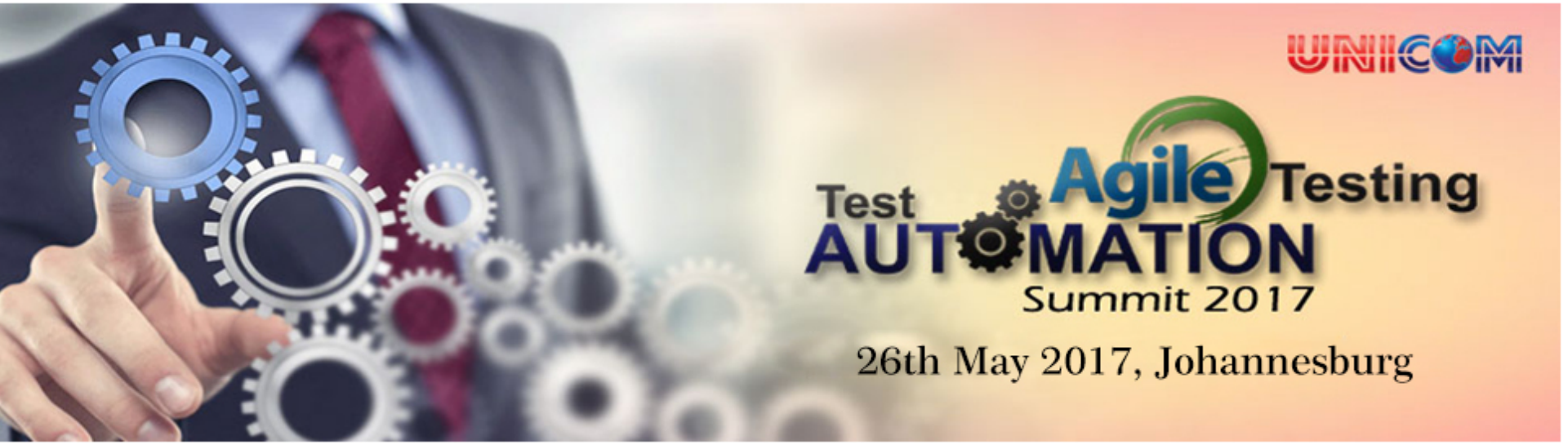


Agile Test Strategy for Digital Assurance

Location : Johannesburg

Date : 26 May 2017

Name of the Speaker : Wayne Sinclair

waynesinclair.co.za @Tester_RSA

Company Name : ThoughtWorks

Why a Test Strategy?

- Establishes plan of action, long term
- It's actually intended to drive quality thinking and testing activity across the entire agile team.
- Determines customer expectations
- Understanding, best practices, structured
- Information Radiator
- Static, but evolving.
- Across projects

Before

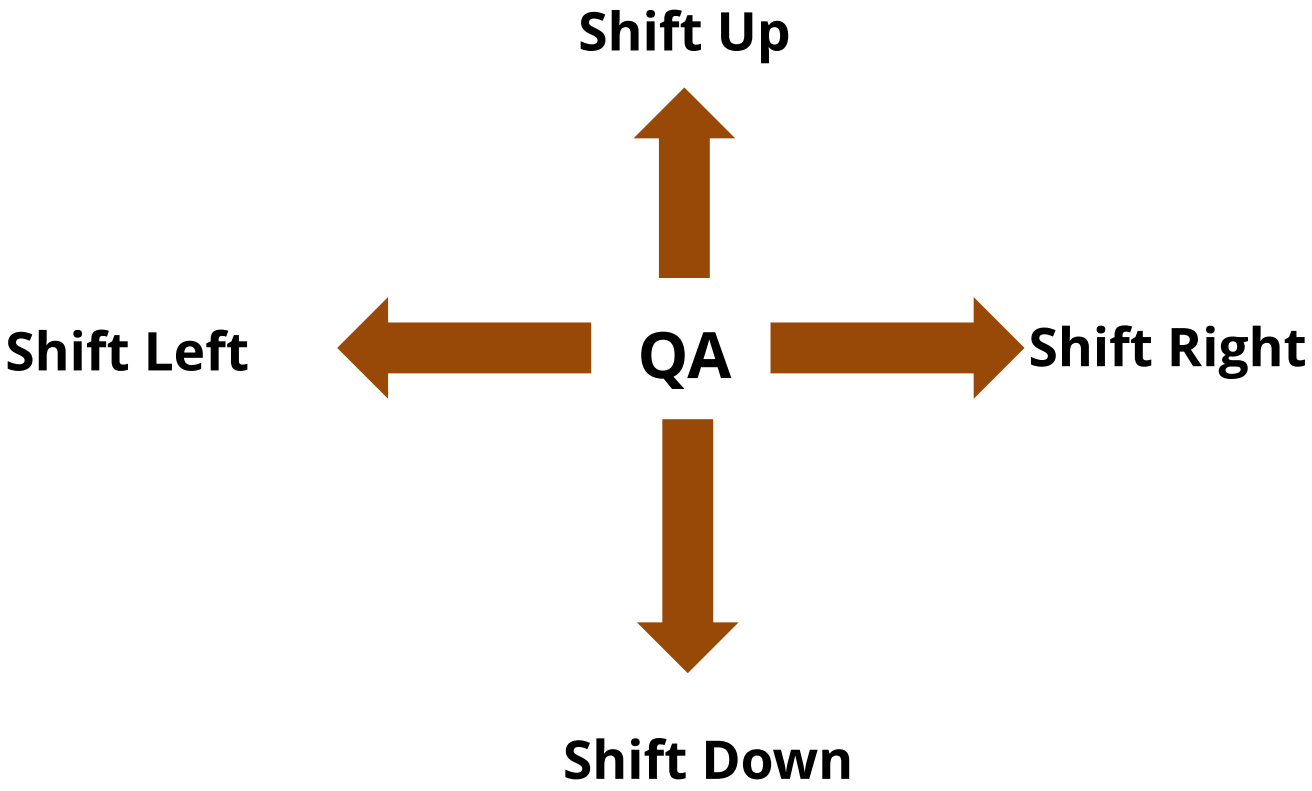
Awaiting Test	In Test	Test Complete
Story 4	Story 2	Story 1
Story 5	Story 3	
Story 6		

Agile Testing And Test Automation

After

Dev Done	In Test	Awaiting Test	In Test	Test Done	Performance Testing
Story 4	Story 2			Test Data	Story 1
Story 5			Functional		
		Exploratory			
		E2E			
		Integration			
		Analytics			
		Cross Device			
		Cross Browser			
		Regression			
		PO			
	Story 3				

The Big Shift



Agile Testing And Test Automation

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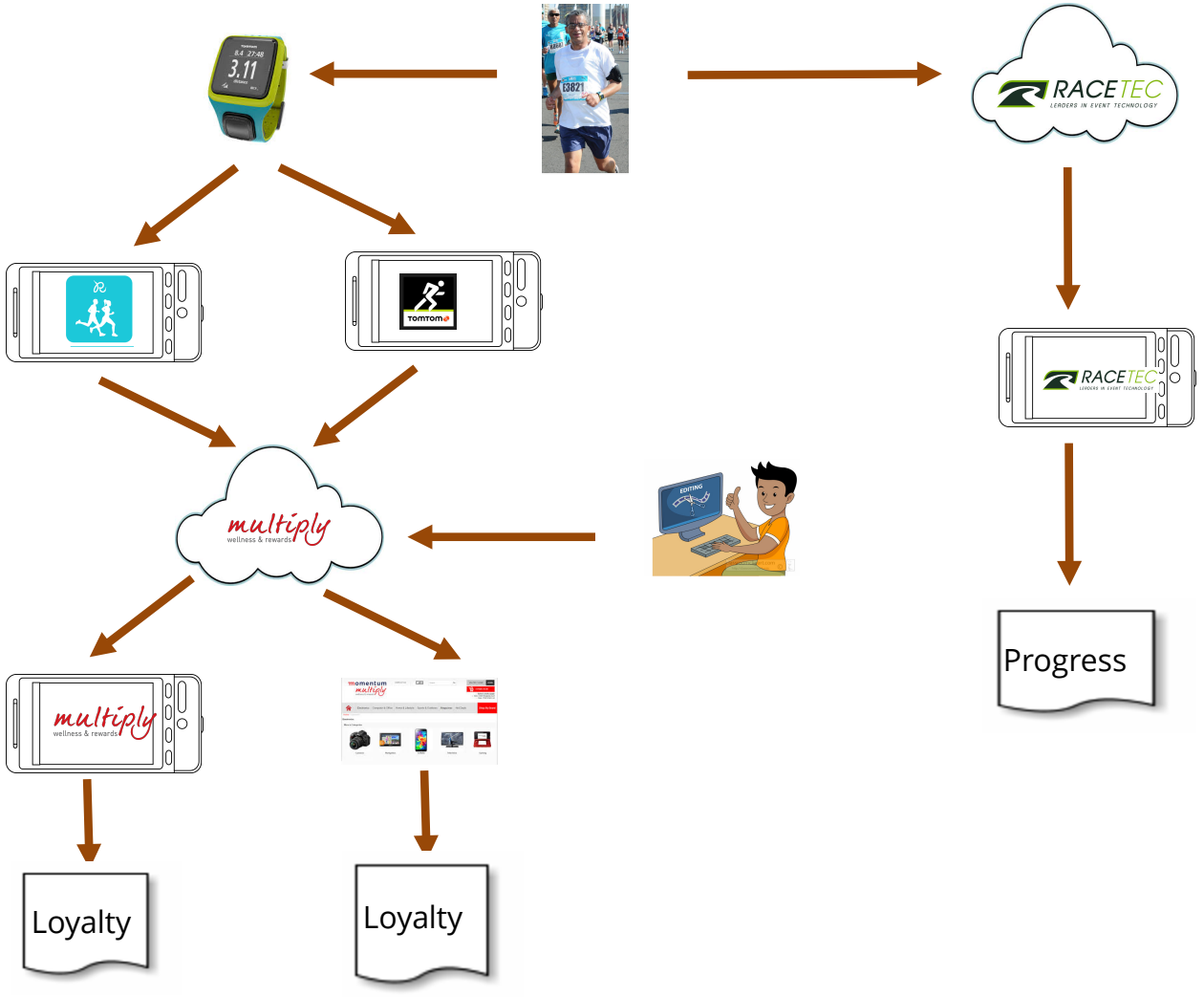
Agile Testing And Test Automation



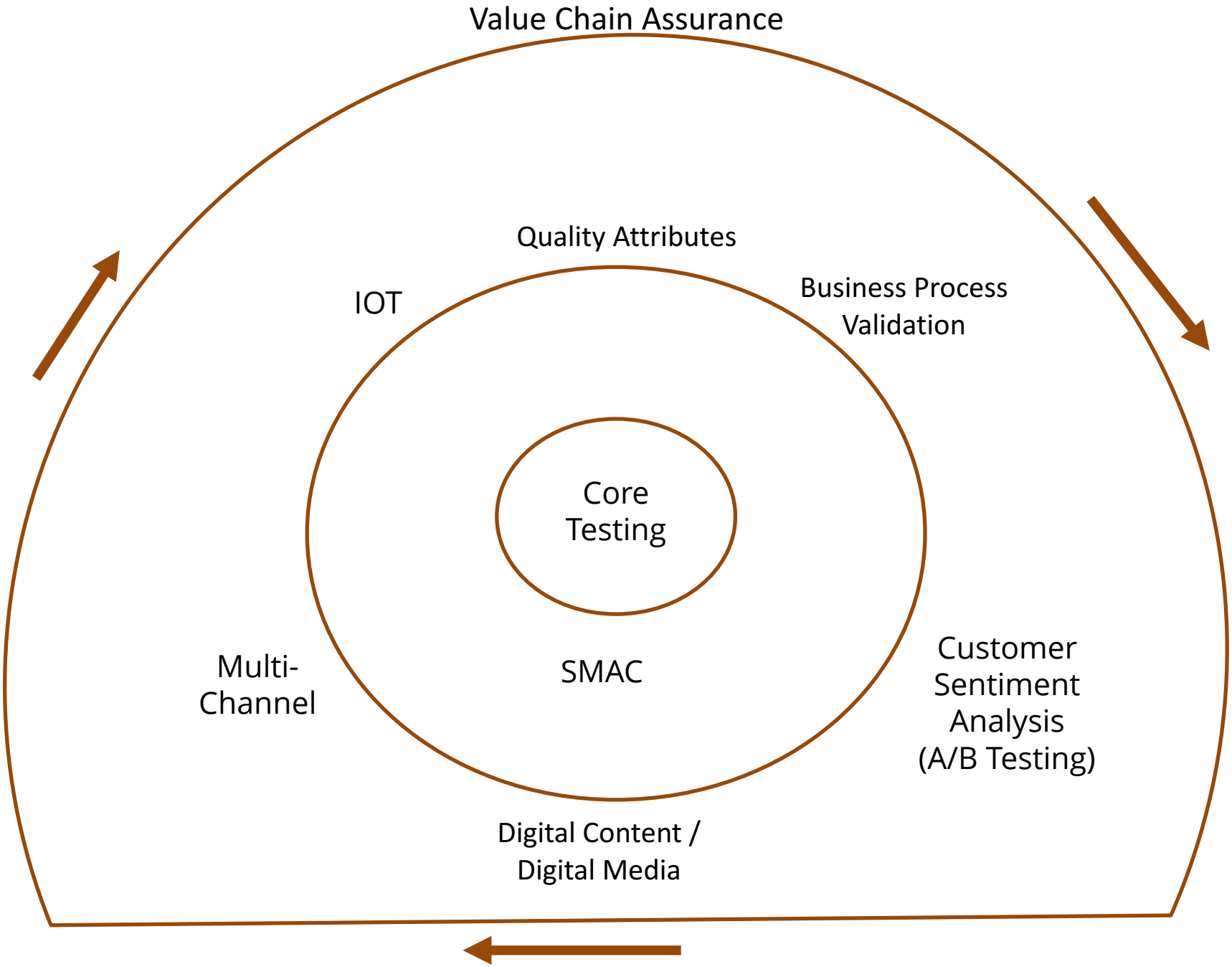
Manifesto for Agile Software Development

Individuals and interactions over processes and tools

Working software over comprehensive documentation

Customer collaboration over contract negotiation

Responding to change over following a plan



https://www.slideshare.net/CAinc/digital-assurance-develop-a-comprehensive-testing-strategy-for-digital-transformations

Manifesto for Agile Software Development

Individuals and interactions over processes and tools
(Created by team, foundational)

Working software over comprehensive documentation
(Guide, outline)

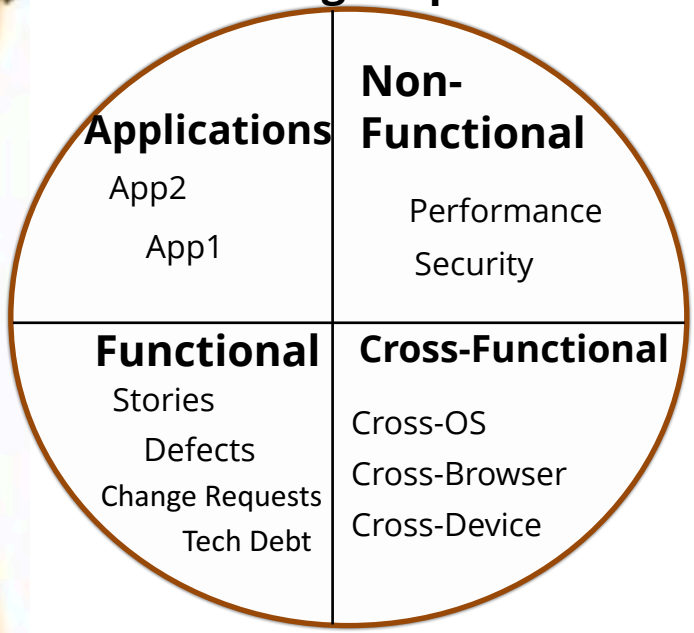
Customer collaboration over contract negotiation
(Adjust, based on collaboration)

Responding to change over following a plan
(Not fixed, roadmap, guide, baseline, but allows flexibility)

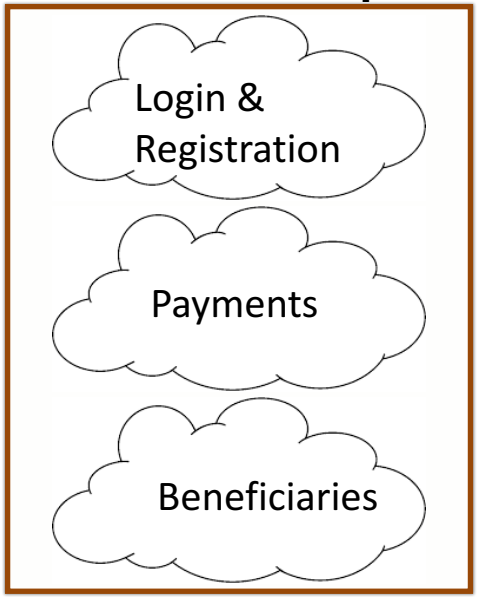
Mission Statement

To constantly deliver working software that meets customer's requirements *by means of* providing fast feedback *and* defect prevention, rather than defect detection

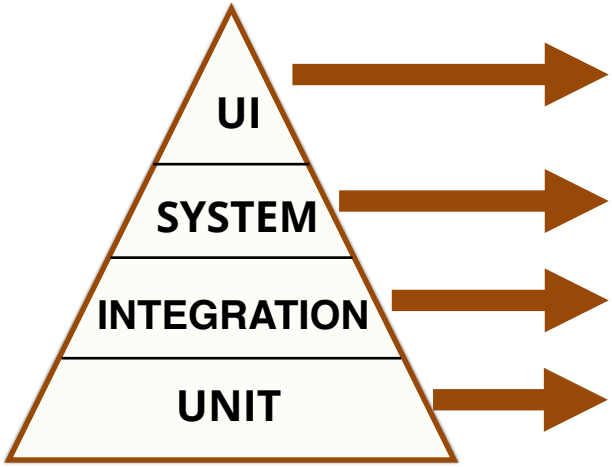
Testing Scope



Team Makeup



Approach: Tools and Techniques



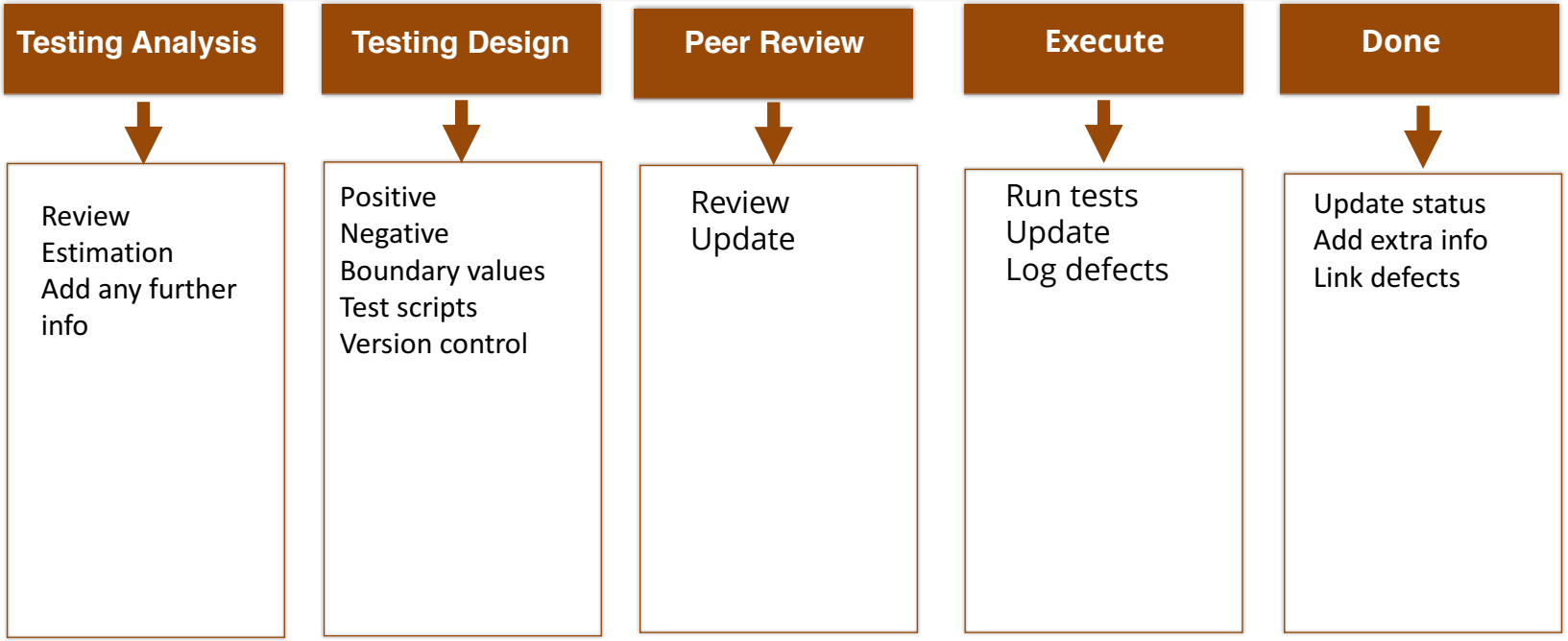
Approach	Tools	Techniques
Manual Automated	Jira Selenium	+ve, -ve, Boundary
Manual Automated	Jira Selenium	Business Processes
Automated	SOAPUI	+ve, -ve
Automated	Junit in IDE	+ve, -ve

Out of Scope

ATM Integration

Debit Order Integration

Testing Process



Non-Functional Requirements

Performance at 1000 volumes

High availability

Security – OWASP top 10

Test Environments

ENV01

Nightly Builds

Functional Testing

Defect Testing

ENV02

Integration Testing

System Testing

ENV03

Smoke Testing

Non-Functional Testing

ENV04

Business Acceptance Testing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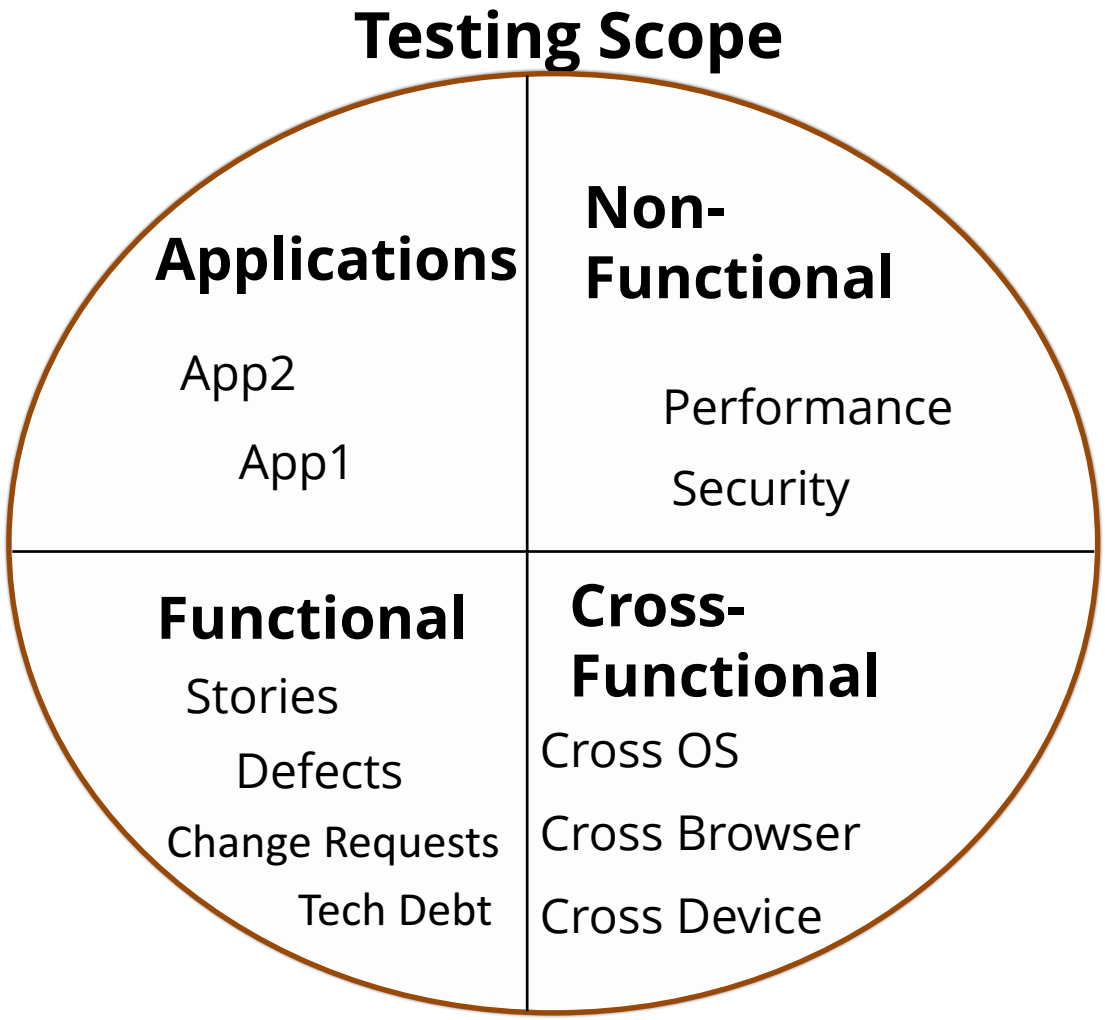
Agile Testing And Test Automation



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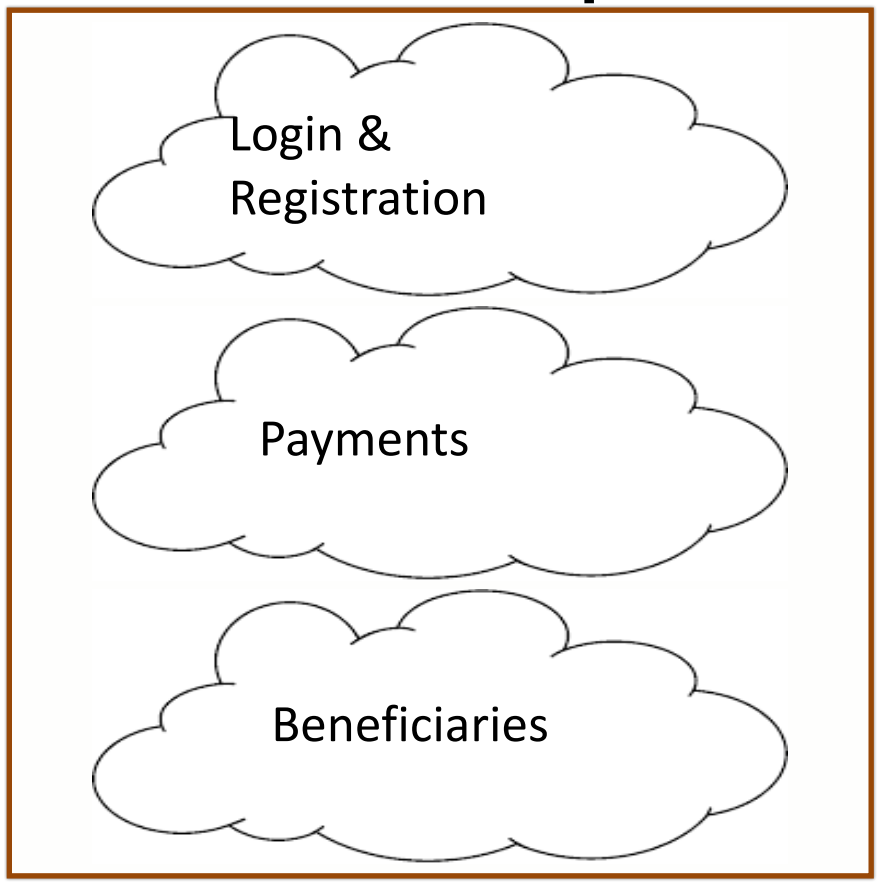

Agile Testing And Test Automation

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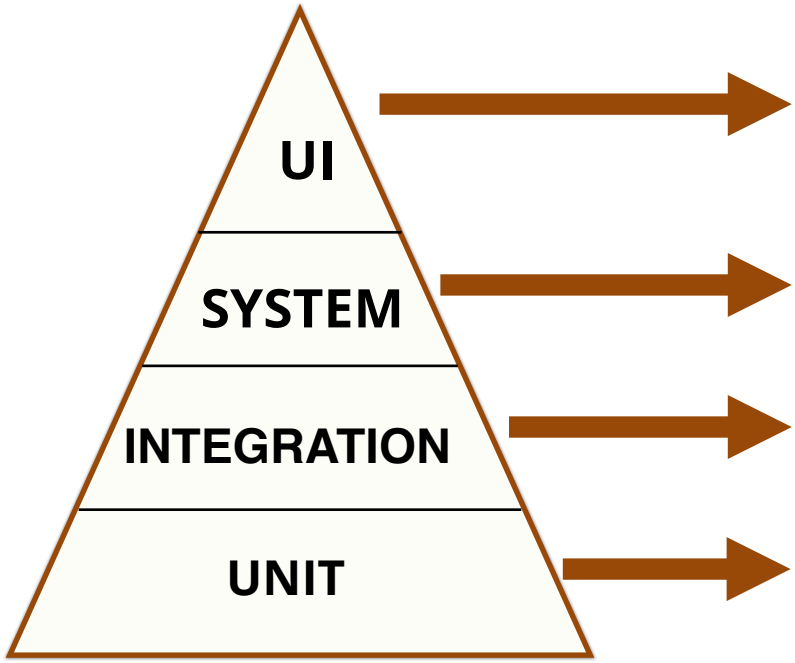

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Agile Testing And Test Automation

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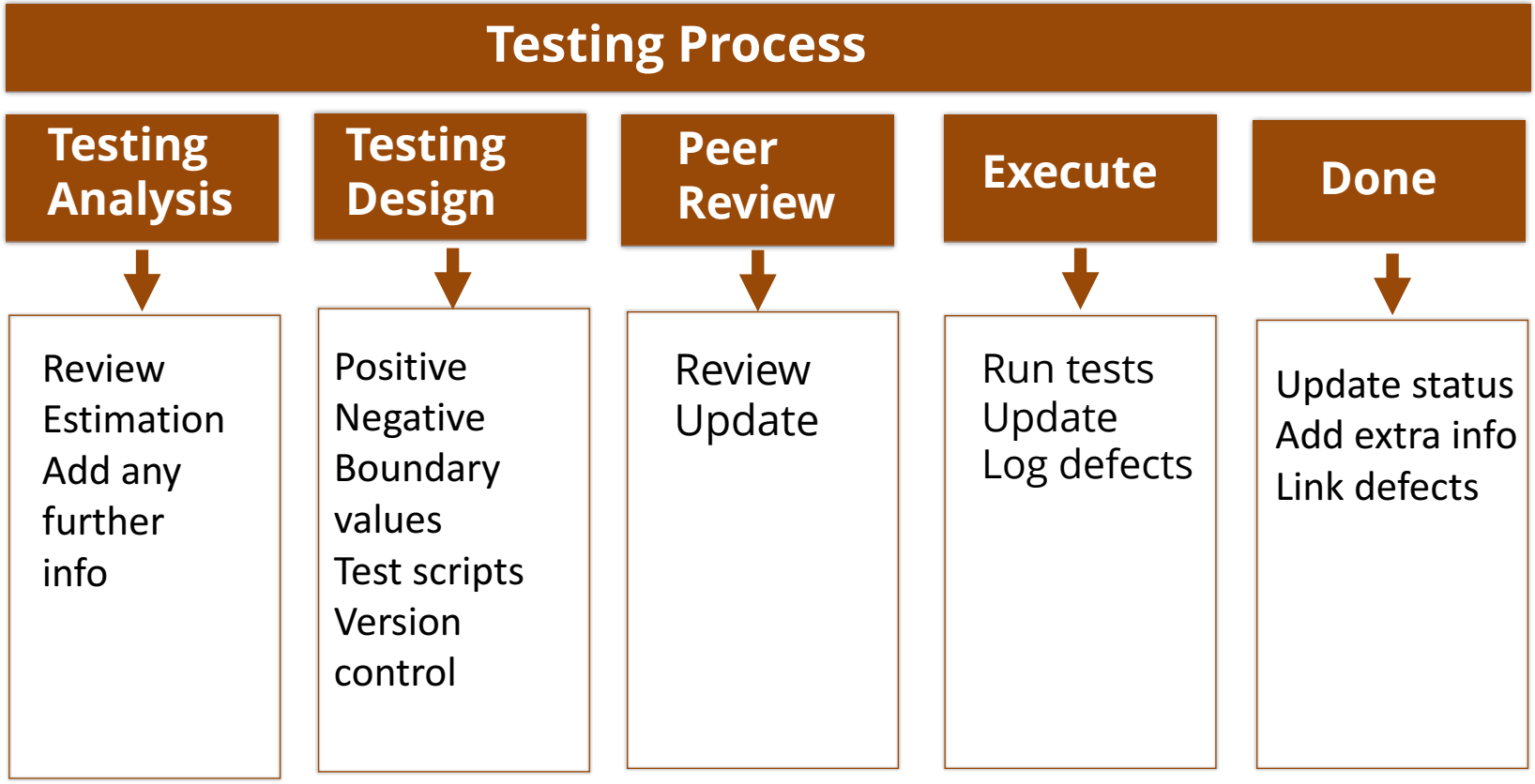
Testing Process
Testing Analysis
Testing Design
Peer Review
Execute
Done
Review
Estimation
Add any further info
Positive
Negative
Boundary values
Test scripts
Version control
Review
Update
Run tests
Update
Log defects
Update status
Add extra info
Link defects

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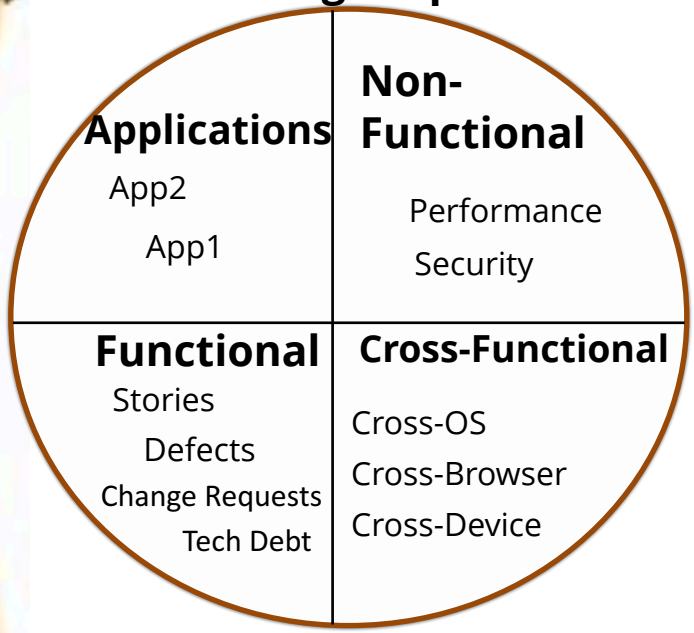

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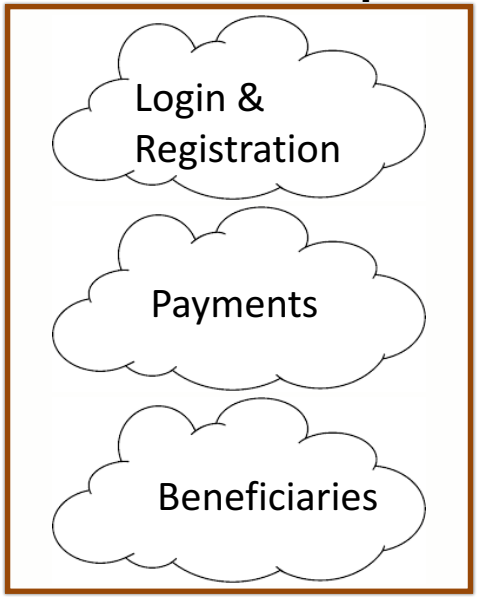

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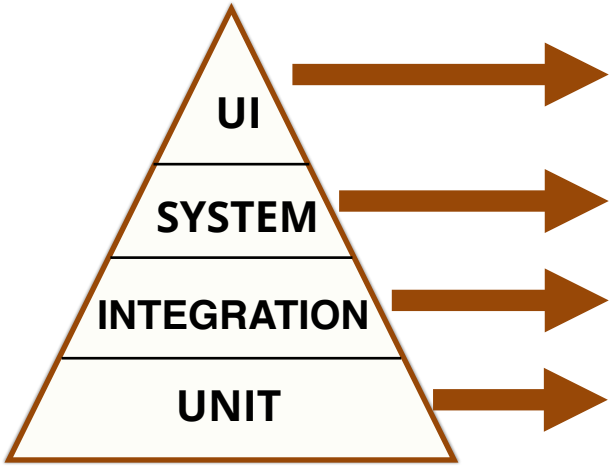

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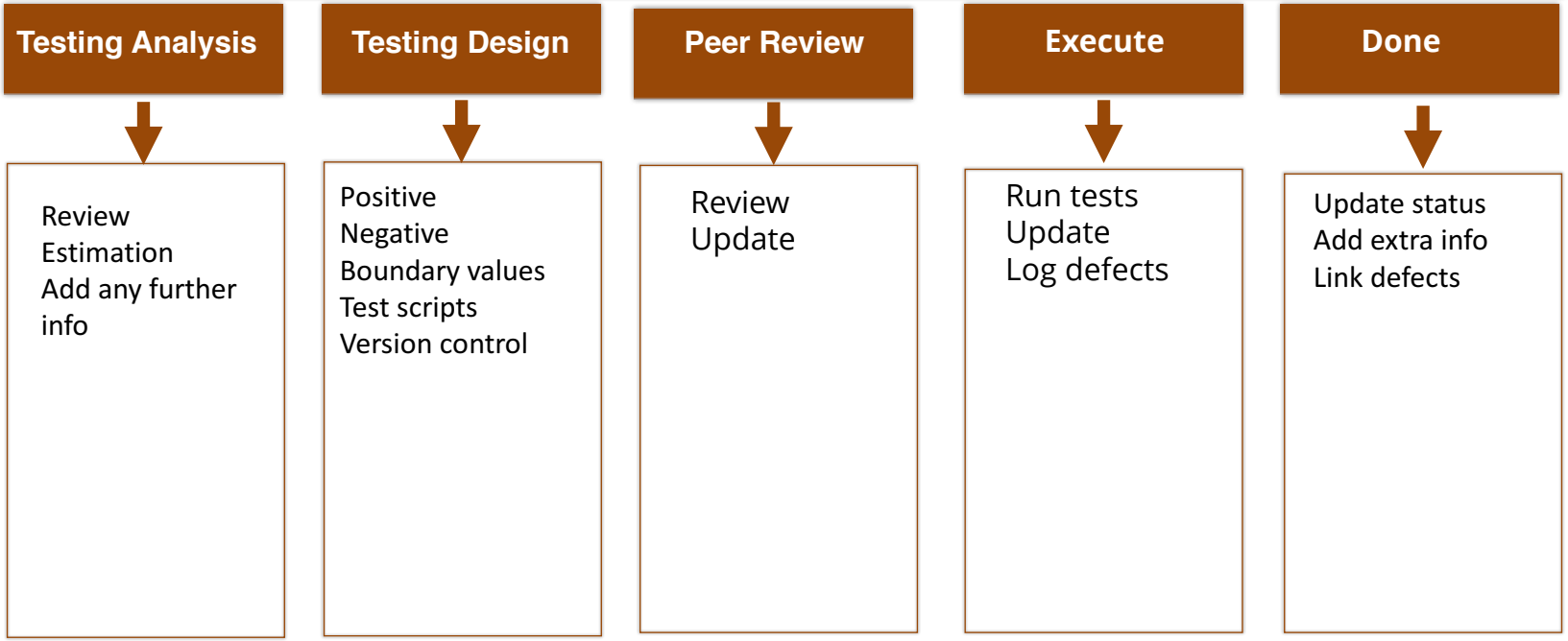

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THANK YOU

Speaker Name: Wayne Sinclair

Email ID: sinclair@thoughtworks.com

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contact@unicomlearning.com