




*Manawatu
Software Quality
Assurance
Professionals
Meetup July 2024*

“TED TALK”
PRESENTATIONS

A large, irregular pink brushstroke graphic that serves as a background for the title text.

Today's Schedule:

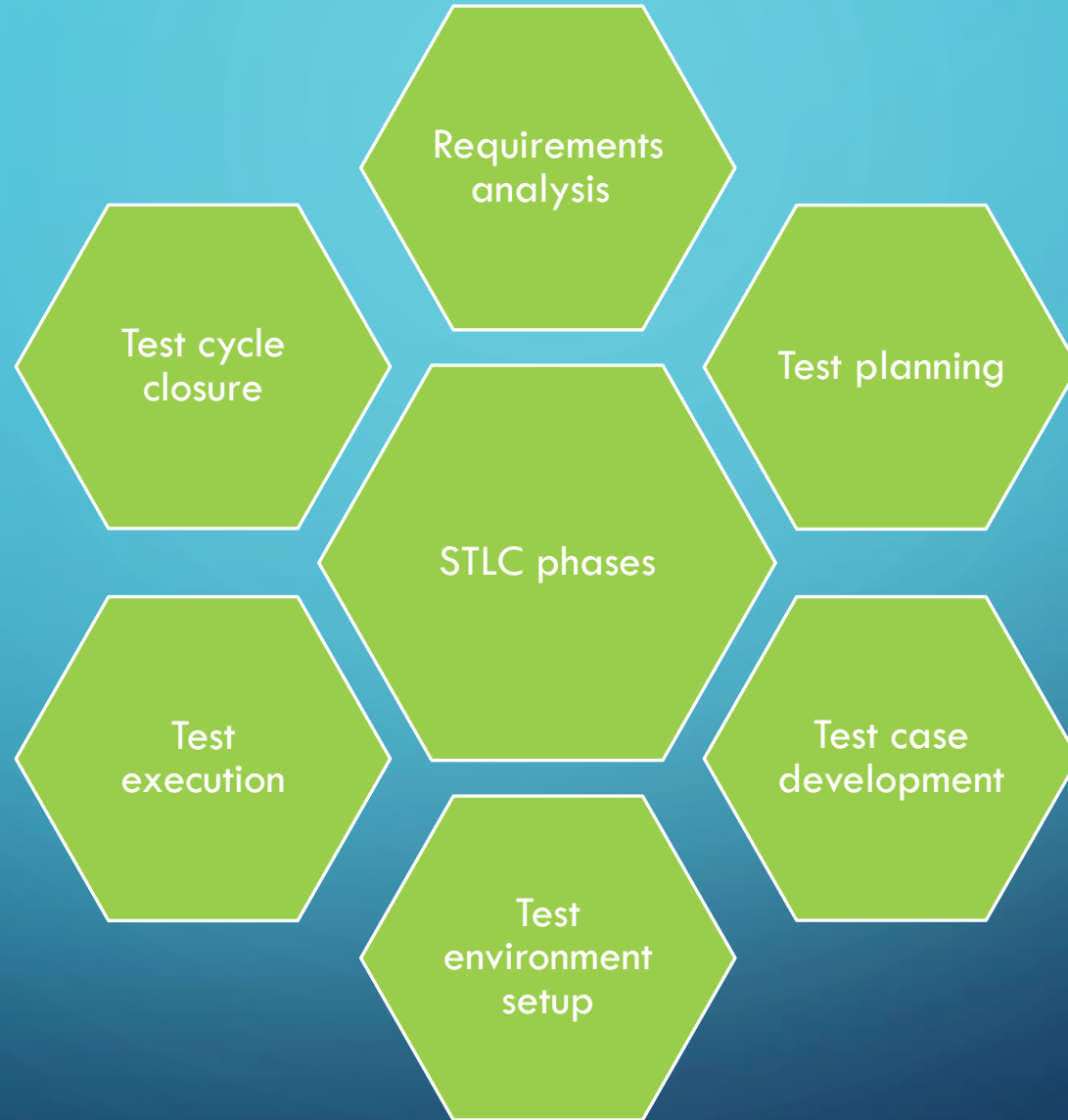
- Massey University (Rachel)
- Massey University (Jarod)
- Toyota New Zealand (Grant)
- Tourism New Zealand (Jamie)
- FMG (Shaun)
- Enable New Zealand (Blair and Ed)

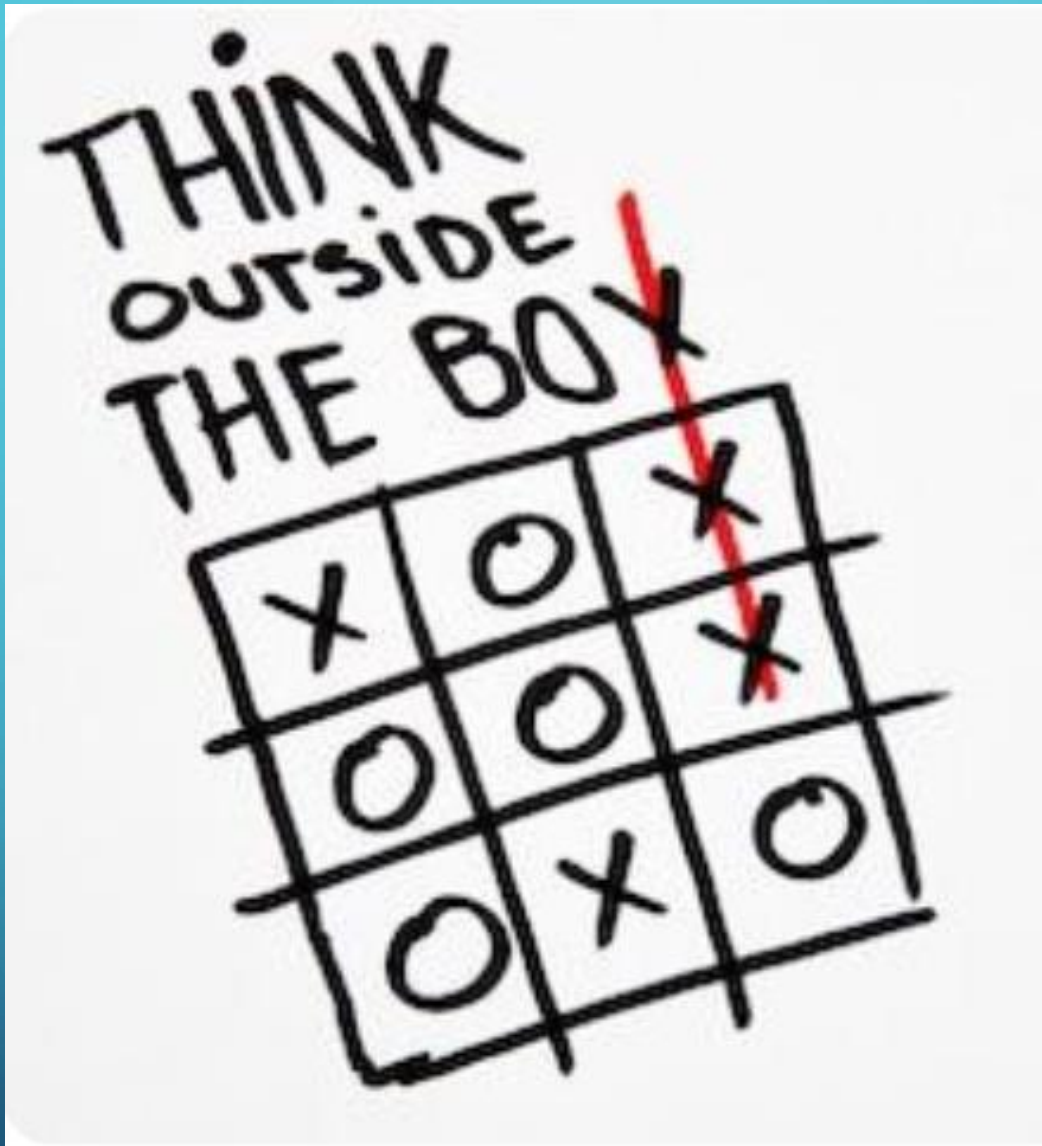


SOFTWARE TESTING LIFE CYCLE

ITS TEST TEAM – MASSEY UNIVERSITY

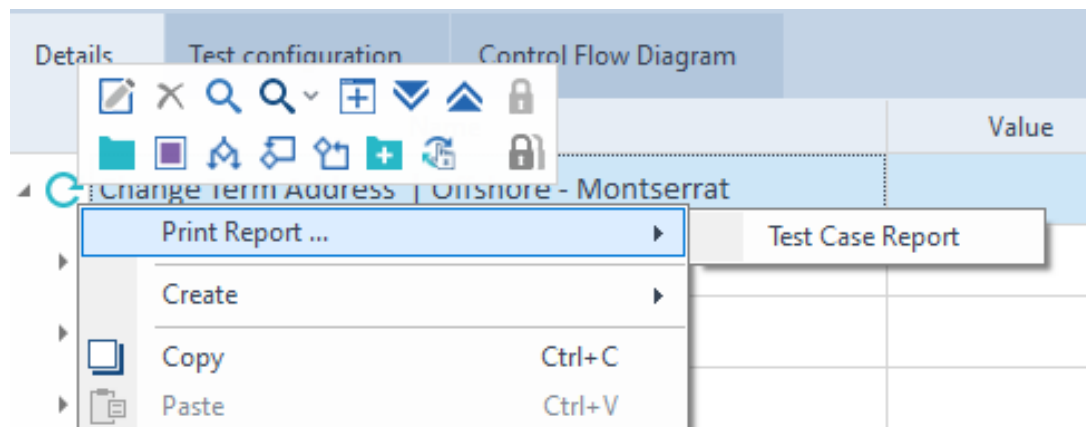
RACHEL ADAMS – UX & APPLICATIONS TESTING MANAGER





Why is documentation so important to a Test Analyst?

- Without proper documentation, understanding the functionality and expected outcomes of an automated test case can become time-consuming and challenging (*it could potentially be dangerous to run without knowing this*)
- We can save time if we know what needs to setup prior to execution: E.g. Accounts that need password resets
- Documentation is a **cheap** way to improve productivity



Example of documentation

Owned by [Jarod Carmuthers](#) ...
Last updated: Apr 08, 2024 • 3 min read • 5 people viewed

Overview:

This test case creates a student application. It then logs in to the Staff Portal as a Staff member and runs through the process of adding an **A** before sending an Offer of Place and resuming the enrolment process using **Be the Student**.

In MODREG, the test will filter on courses that are presented depending on the **location** and **Period** selected in the PreConditions below. It will then enrol them in the first **5 courses** returned.

At the end of the test, it will output the **Student's financial details** (e.g from FTR) to a CSV file.

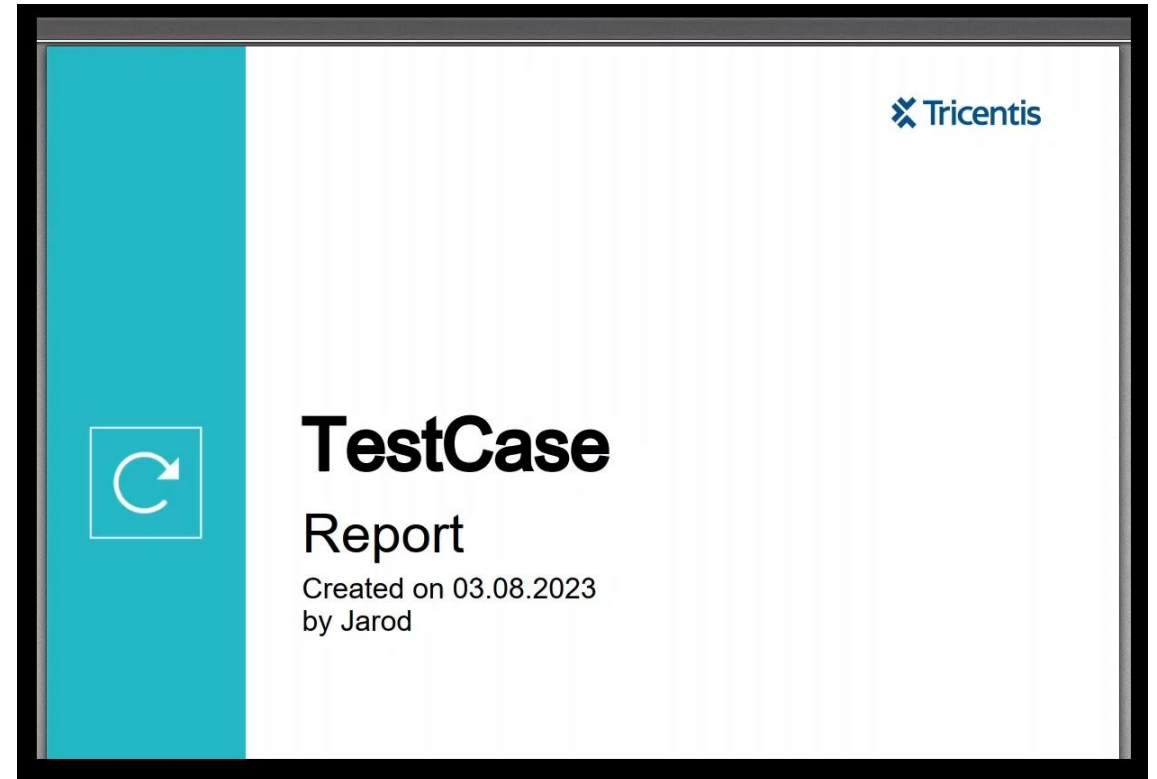
It also takes a screenshot of the Financial Details page that the student is presented with after accepting their Offer of Enrolment.

A PDF of that is saved to the **Documents** folder for the person that has run the test case (later on when time allows, we will set this to be saved to the **I** shared network drive).

Pre Conditions:

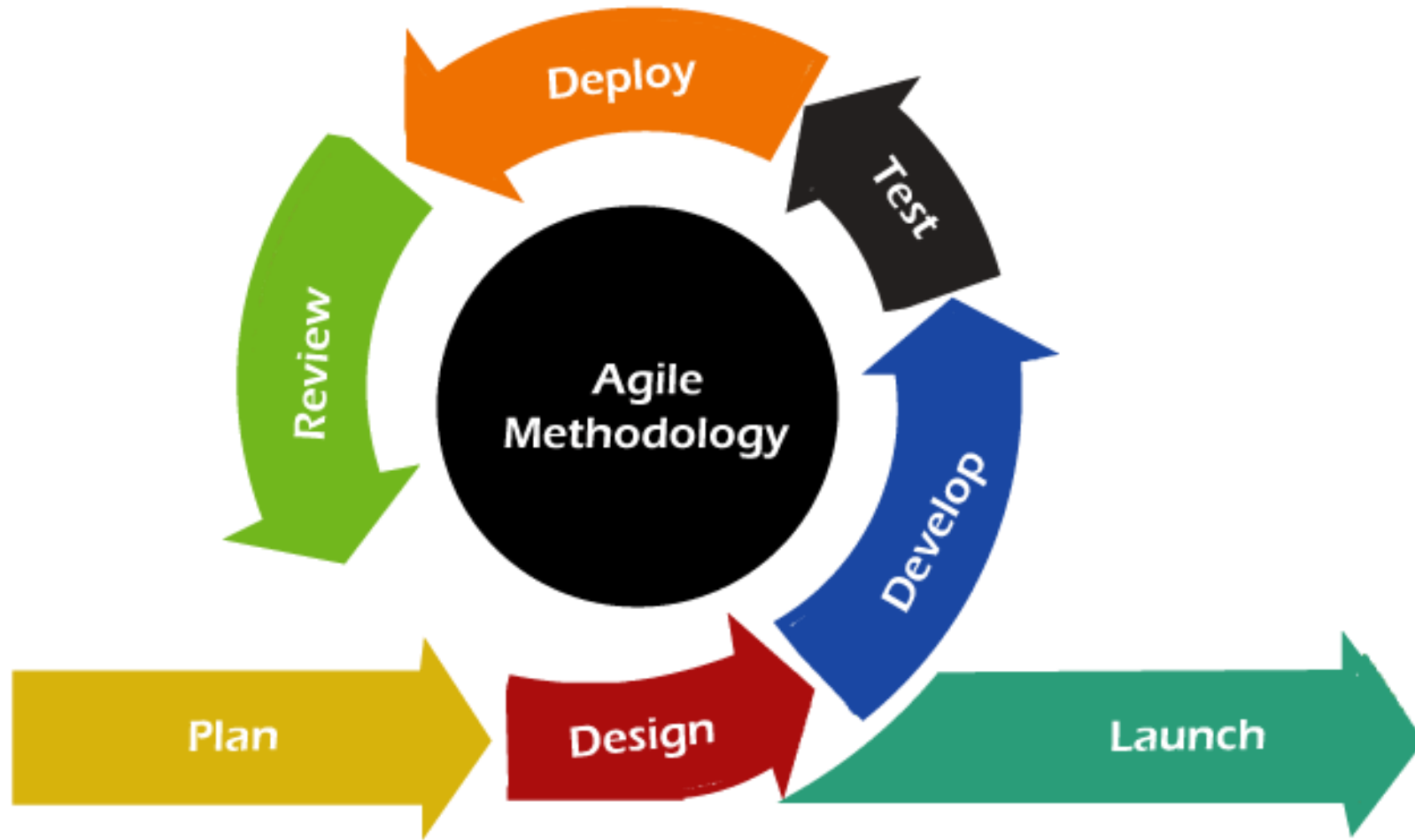
The buffers that you are most likely to need to alter are all contained in a Test step within the **PreConditions** folder:

PreConditions	
TBox Delete Buffer	
Step 1: Data provisioning	
CHANGE THESE BUFFERS!!	
Location	Distance
Year	2024
Qualification	Bachelor Business
Period	S



Test Practice – Toyota NZ

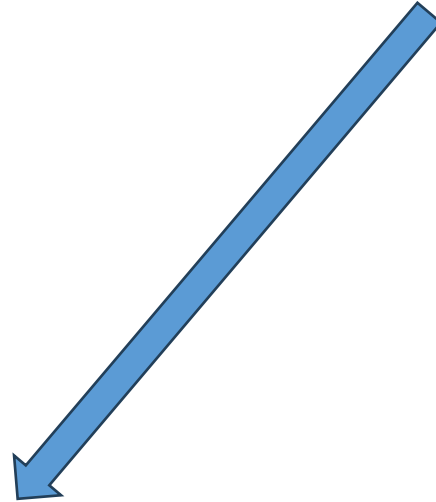
PMO Practice



Test tool-kit



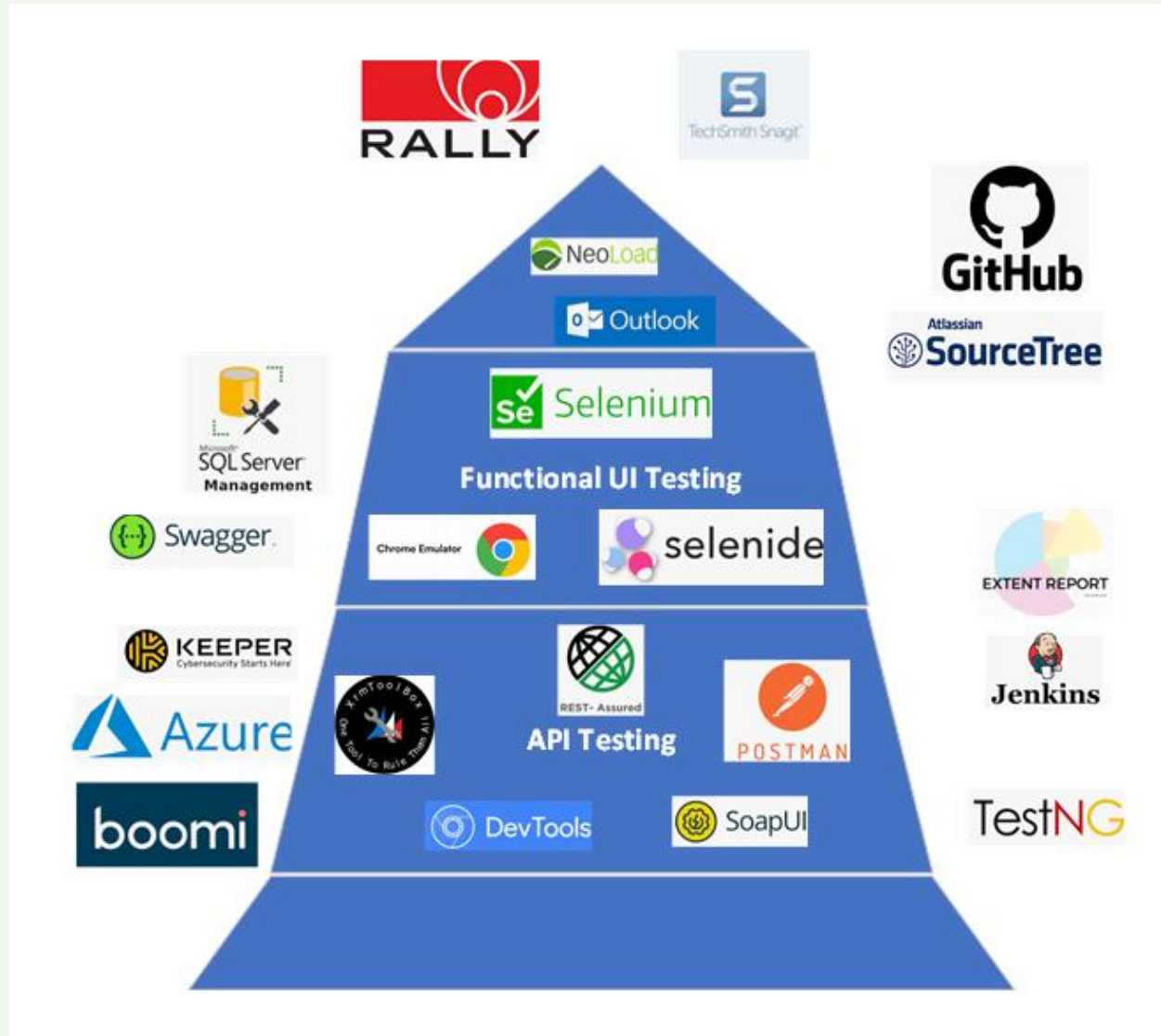
Power BI



Our Test Tooling journey

So far.

All the tools, a snapshot as of 2023



New in 2024: The GT framework

The Guidewire Testing Framework for Cloud

 GUnit

Unit Tests


JUnit

GT: API

API Behavior Test
& API Functional Tests



GT: UI

UI Behavior Tests
& UI Functional Tests
 & Accessibility Tests



GT: Load 

Load Unit Tests
& System Load Tests





GT: Management

Test Case Management

 Jira  XRAY













 Available to self-managed









 Early Access (EA)

The road ahead:

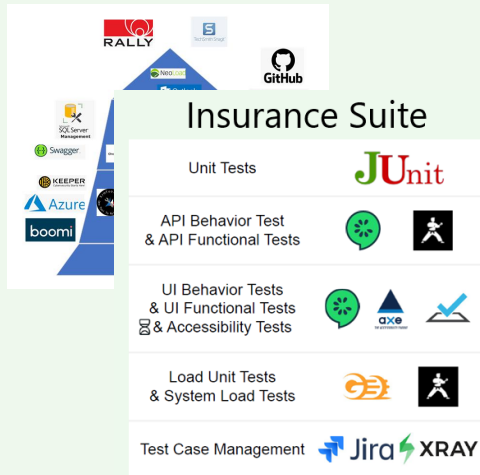
Insurance Suite

Unit Tests	
API Behavior Test & API Functional Tests	 
UI Behavior Tests & UI Functional Tests & Accessibility Tests	  
Load Unit Tests & System Load Tests	 
Test Case Management	 

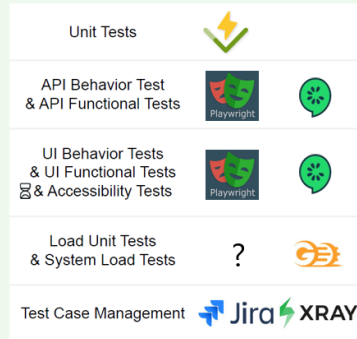
Non Insurance Suite

Unit Tests	
API Behavior Test & API Functional Tests	 
UI Behavior Tests & UI Functional Tests & Accessibility Tests	 
Load Unit Tests & System Load Tests	? 
Test Case Management	 

How this all works together?



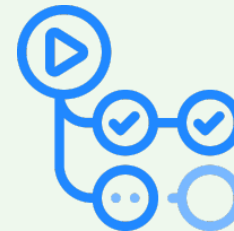
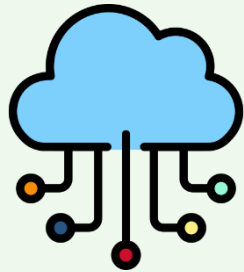
Non Insurance Suite



We're working that out.

Good things take time.

We are improving, continuously.



Test Practices

Context for Enable New Zealand

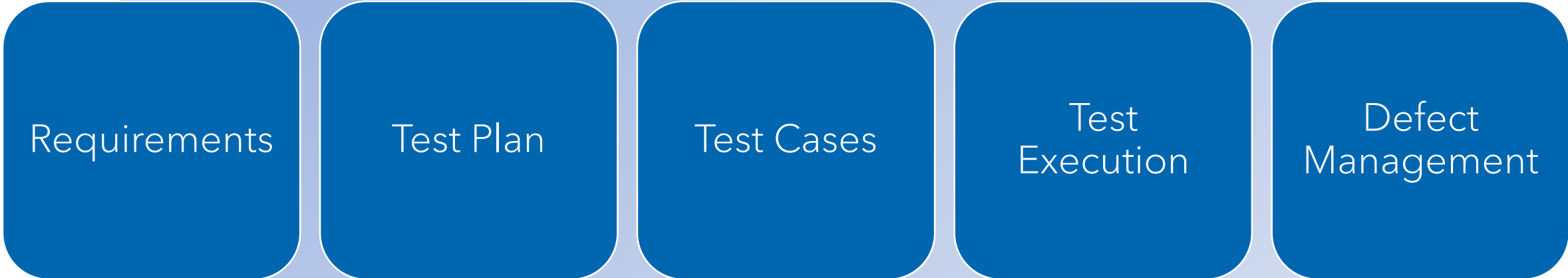
The only development in-house is website and BI reports

Unit testing, build and release activities largely managed by vendors

Enable NZ is early on its testing practice journey

Microsoft Dynamics 365 ERP & CRM

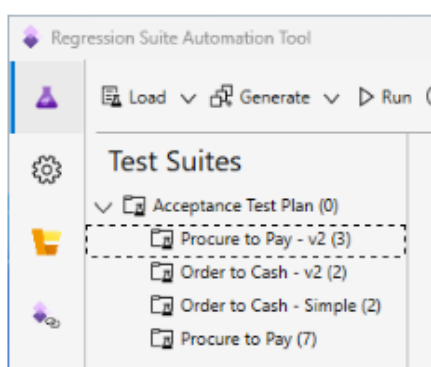
What do we do for SIT and UAT?



 Azure DevOps



Azure Test Plans



 Azure DevOps



Azure Test Plans

What else do we do?

Performance/Load
Testing - Postman

Security Testing -
Outsourced



POSTMAN

Integration Testing
- Postman or
manual

Browser/device
Testing -
LambdaTest or
manual



LAMBDATEST

But wait, there's more!



Accessibility Testing

 readable

Flesch Kincaid Grade Level

$$0.39 \left(\frac{\text{total words}}{\text{total sentences}} \right) + 11.8 \left(\frac{\text{total syllables}}{\text{total words}} \right) - 15.59$$



PageSpeed Insights



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