



Testing Process

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Agenda

- Overview of Testing
- Testing Methodology
- Sprint Timelines
- Manual Test Results
- Automated Test Results
- Test Case Repository
- Release Testing



Overview of testing

- Folio testing involves commencing testing activities earlier in the software development lifecycle (SDLC).
- Testing is conducted through automated and manual methods.
- Manual test cases are typically written by both Manual QA testers and product owners (POs).
- POs review all test cases as part of the Sprint work
- Test Cases are hardened and stored in the TestRail Repository
- Release testing is done for hardening the release, which covers the full testing cycle



Testing Methodology

- In Sprint Testing.
 - Unit testing – Rancher environment
 - Integration tests (Karate tests) – Rancher environment
 - Daily e2e tests (Cypress) – Daily automation testing environments
- Release testing
 - Bug fest
 - Repeat all tests for the release – new features, regression testing release over release

Sprint - Timeline

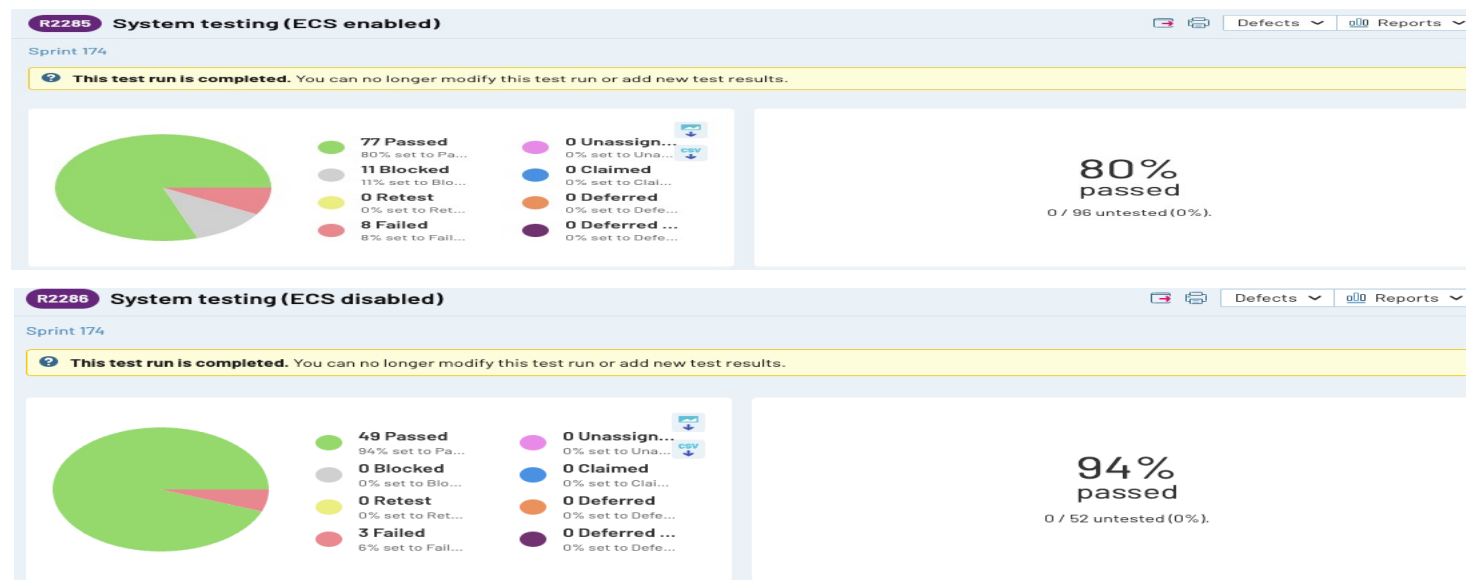
New

Sprint N									
Week1					Week 2				
Mon	Tue	Wed	Thu	Fri	Mon	Tue	Wed	Thu	Fri
Development testing					Hardening & Stabilization				
MQA: Test case creation& review					MQA: Manual test case execution for testable US after Sprint N				
					MQA: US acceptance by QA at Snapshot				
MQA: Discovery affected areas with Dev Team & composing test run in TestRail							KitFox: Create/update sprint testing environment at rancher		
AQA: E2E test cases automation									
							AQA: Automatic regression		
							Dev: Karate tests execution		
							Stripes Force sync up		



Manual Test Results

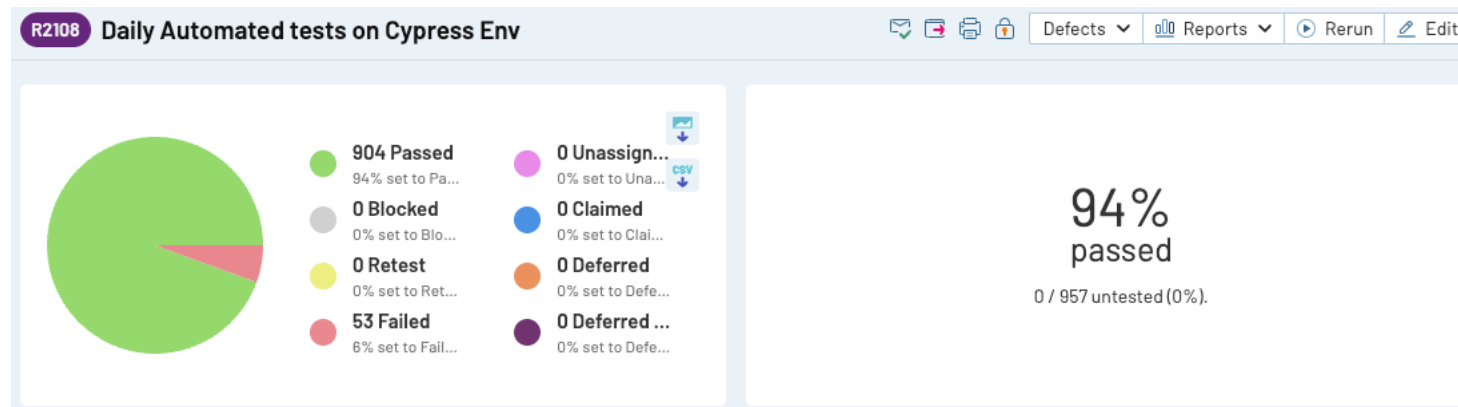
- Testing is a crucial part of the sprint, which covers all aspects including
 - New feature functionality
 - Impacted test case due to functional changes
 - Sprint over Sprint regression test cases





Automated Test Results

- 904 automated test cases are run Daily



- ~9 – 10 bugs are found daily

Bugs caught by autotests:

MODINV-860	1
MODORDERS-884	1
MODORDERS-919	1
MODORDERS-951	9
MODSOURMAN-1030	3
MODSOURMAN-1035	1
MODSOURMAN-1043	1
MODSOURMAN-968	1
UIIN-2559	1



Test Case Repository

- Test Rail is used as a source of truth for all test cases
- Test Cases are divided into Smoke, Critical Path, and Extended Path tests

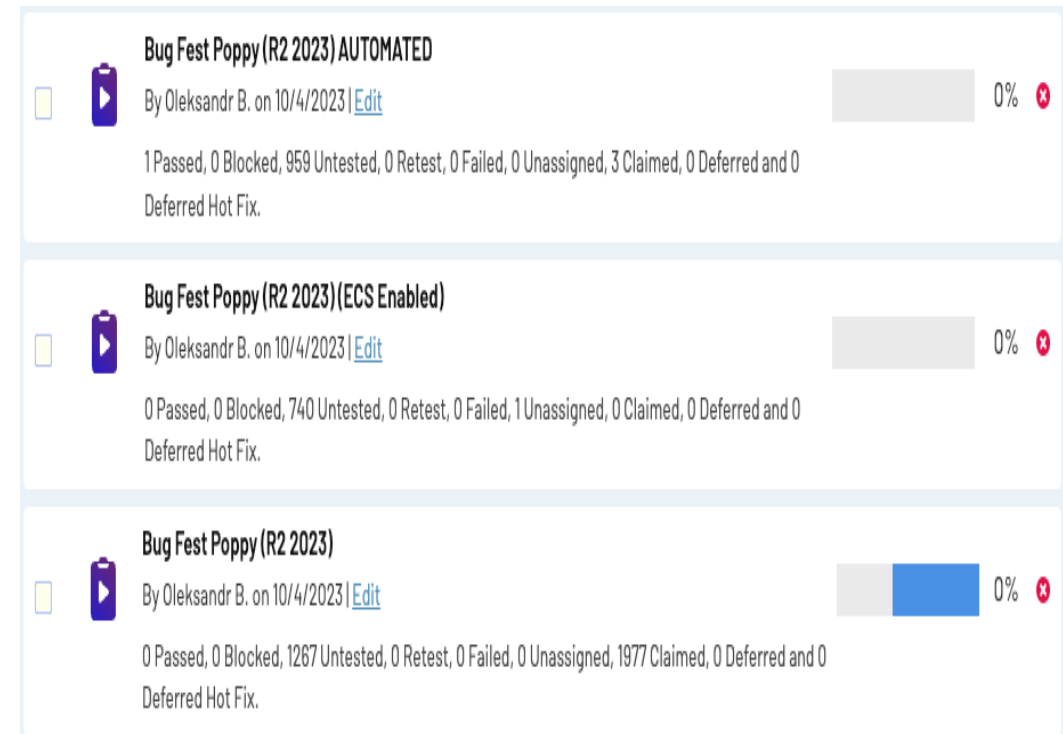
The screenshot displays the TestRail web interface. At the top, there is a navigation bar with tabs for OVERVIEW, TODO, MILESTONES, TEST RUNS & RESULTS, TEST CASES (active), and REPORTS. Below the navigation bar, there is a header for "Test Cases" with a search bar and filters. The main content area shows a table of test cases under the "Acquisition Units" section. The table has columns for ID, Title, and Created On. The sidebar on the right shows a tree view of sections, including Acquisition Units, Agreements, Calendar, Check in, Circulation, and Course Reserves.

ID	Title	Created On
C367937	Test acquisition unit restrictions for Ledger records	11/11/2022
C367938	Test acquisition unit restrictions for Group records	11/11/2022
C375080	Acquisition unit restrictions for "Fiscal year" records (only Delete option is active) when user is NOT assigned to acquisition unit	1/6/2023



Release Testing

- After the features complete tests are repeated as part of the release cycle.
- Tests are executed by both MQA and community testers



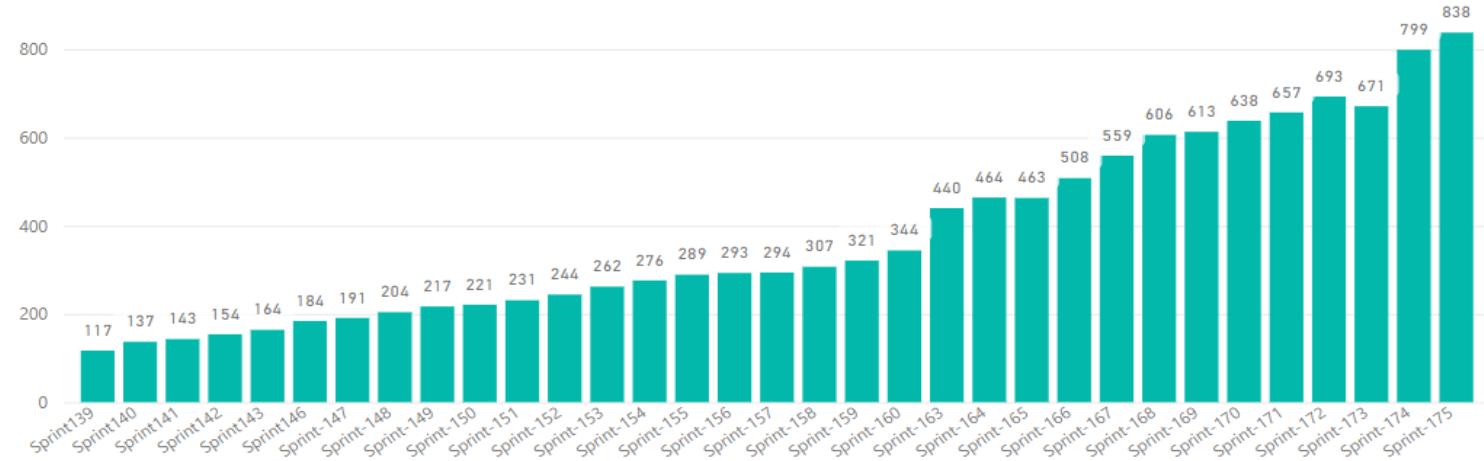


Appendix

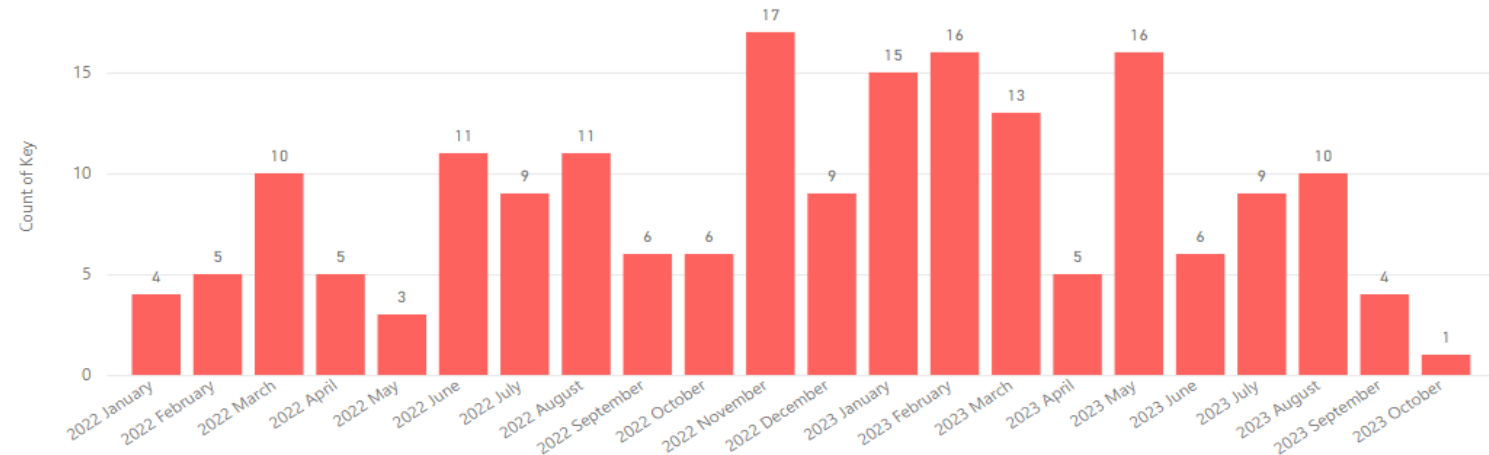
Defects Created



Number of automated test cases



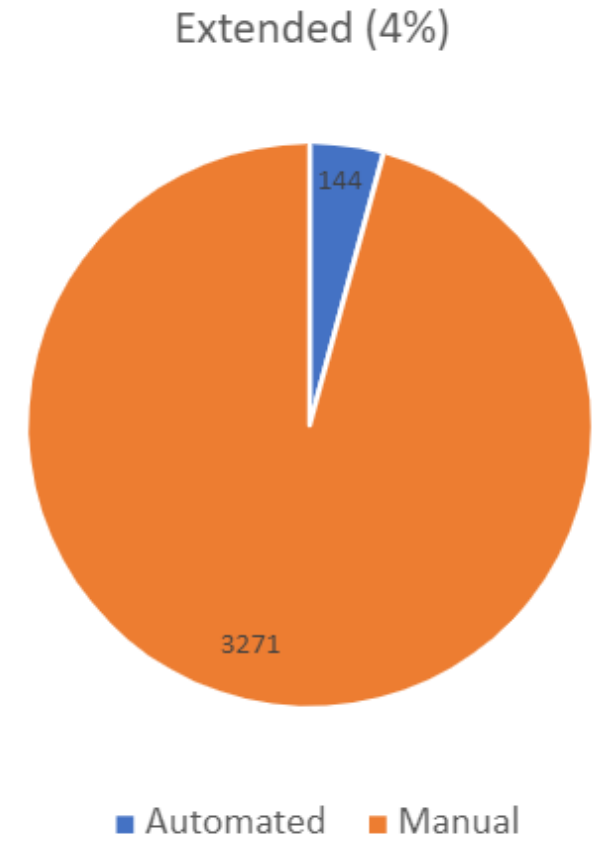
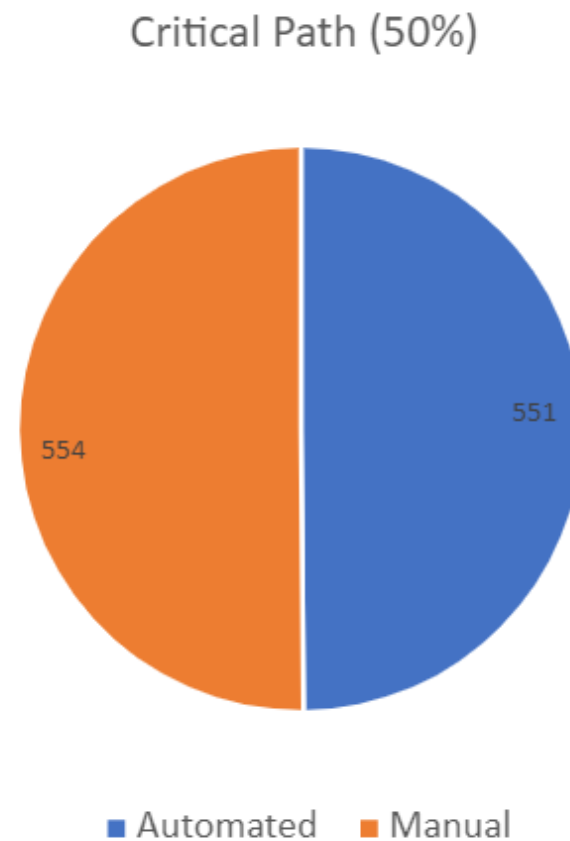
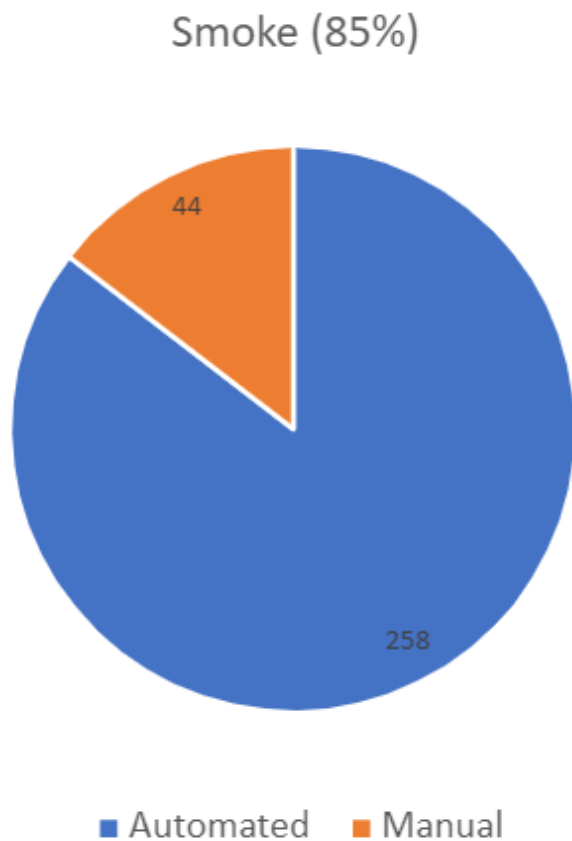
Created Defects by AQA team





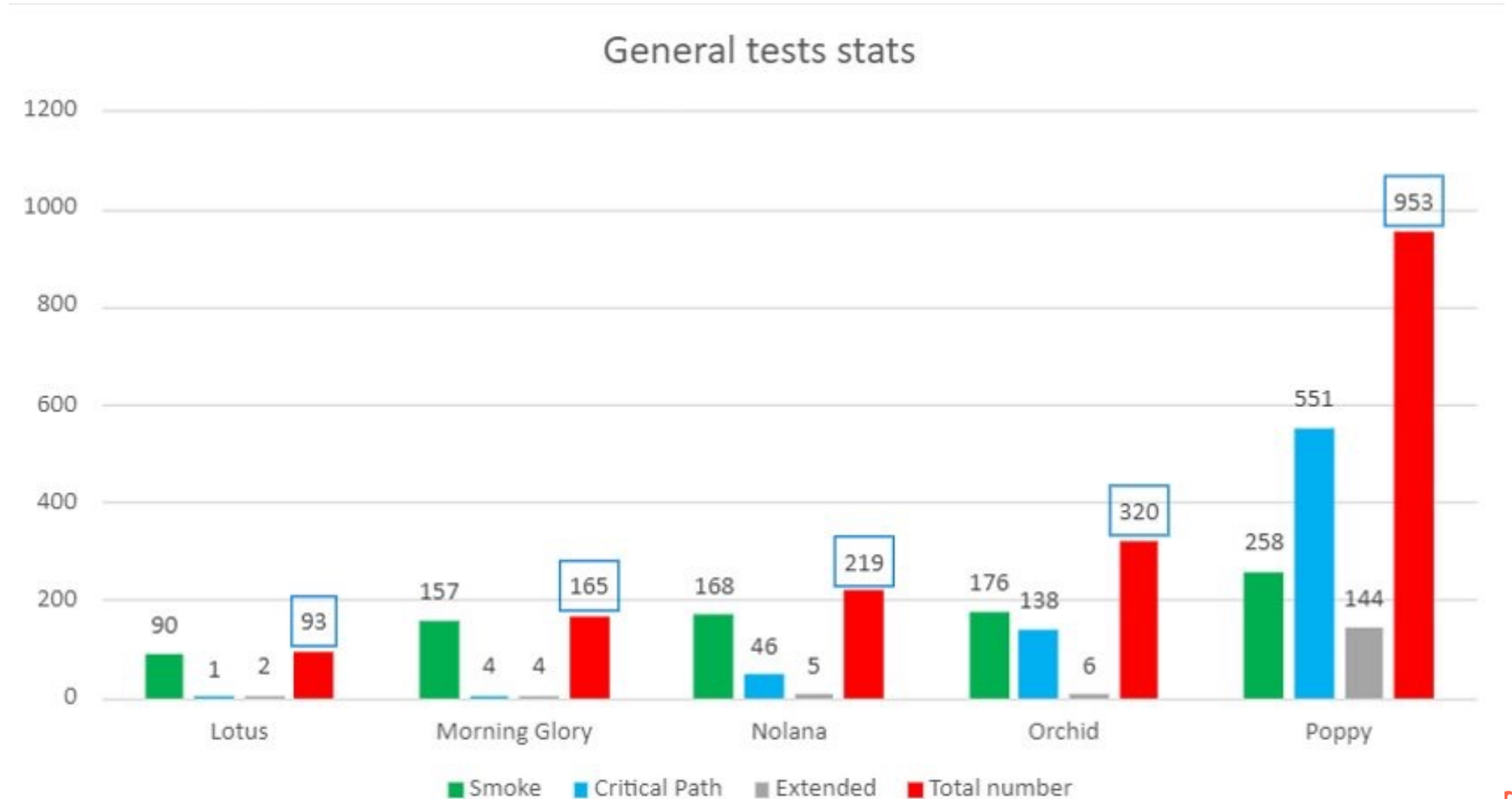
Sprint 174-175 : Mriya (AQAs)

Test coverage by test types





Mriya (AQAs) – release over release

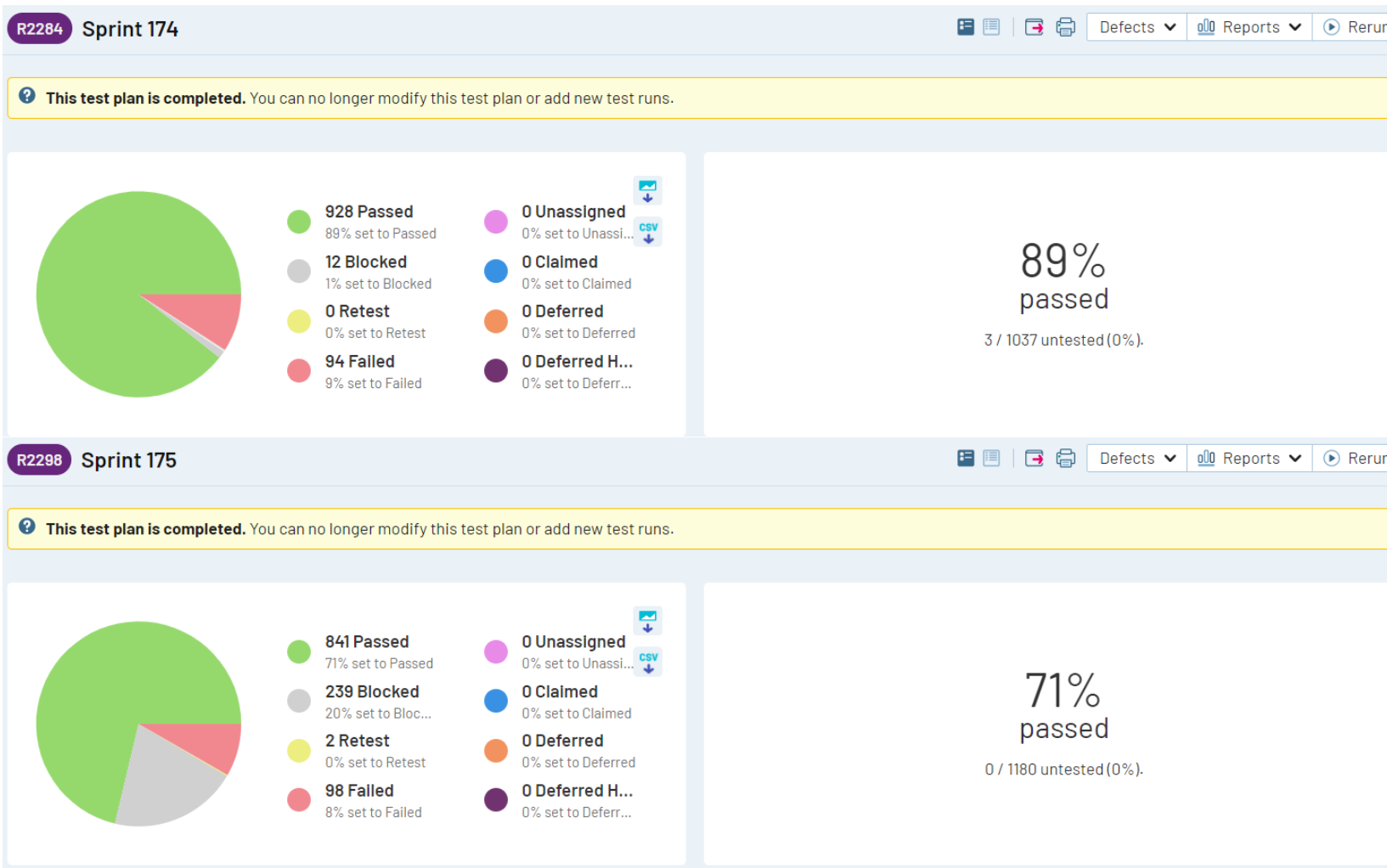




Sprint 174 – 175: Sprint testing results

- **158** manual test cases for new sprint work including bug fixes
- **89** manual test cases related to the affected areas
- **799** automated test cases were executed

- **252** manual test cases for new sprint work including bug fixes
- **90** manual test cases related to the affected areas
- **239** manual test cases were blocked due to issues with ECS sprint testing env.
- **838** automated test cases were executed



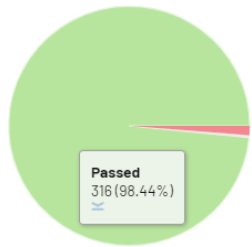
Sprint 174 – 175: Orchid (R1 2023) CSP#6 and



R2293 Orchid (R1 2023) Service Patch #6

Defects Reports Rerun

This test plan is completed. You can no longer modify this test plan or add new test runs.



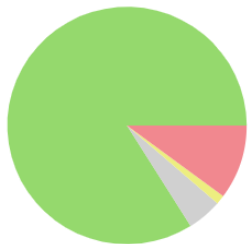
316 Passed 98% set to Passed	0 Unassigned 0% set to Unassi...
0 Blocked 0% set to Blocked	0 Claimed 0% set to Claimed
0 Retest 0% set to Retest	0 Deferred 0% set to Deferred
4 Failed 1% set to Failed	0 Deferred H... 0% set to Deferr...

98%
passed
1 / 321 untested (0%).

- 7 manual cases
- 314 automated cases

R2248 "ECS enabled" sprint testing

Defects Reports Rerun Edit



679 Passed 84% set to Pass...	0 Unassigned 0% set to Unassi...
38 Blocked 5% set to Blocked	0 Claimed 0% set to Claimed
10 Retest 1% set to Retest	0 Deferred 0% set to Deferred
82 Failed 10% set to Failed	0 Deferred H... 0% set to Deferr...

84%
passed
0 / 809 untested (0%).

- 120 manual test cases for new sprint work including bug fixes
- 118 manual test cases related to the affected areas
- 671 automated test cases were executed



THANK YOU!



Questions?