ZUCI SYSTEMS

IMPROVED PRODUCT QUALITY AND TEST COVERAGE WITH E2E AUTOMATED REGRESSION SUITE FOR A LEADING SECURITY ACCESS MANAGEMENT COMPANY

CASE STUDY

AUTOMATION FOR SECURITY

WORLD'S LEADING SECURITY ACCESS MANAGEMENT PROVIDER IMPROVES PRODUCT QUALITY AND TEST COVERAGE WITH E2E AUTOMATED REGRESSION SUITE.

PROBLEM STATEMENT

The client is among the Leading Security Access Management providers in Argentina. They provide the most advanced identity security solution for large organizations globally enabling secure access to systems, applications, and data. With leading brands in its portfolio, client's engineers develop and manage intelligent identity cloud, adaptive authentication, multi-factor authentication, single sign-on, user self-service range of product suites. With over 1000+ test cases , the application was constantly growing, the client had to find a way to reduce testing times, increase the amount of test cases and improve the quality of the application.

The absence of a stable automation environment led them to rely on time-consuming manual testing leaving them unable to keep up with the pace of app improvement. Besides, the company wanted a scope to achieve maximum test coverage and improve product quality.

With these complexities in place, the client needed test automation that would scale to their volume.

BUSINESS GOALS

To have a comprehensive, maintainable E2E automated solution to validate secured adaptive authentication process

Improve test coverage and product quality by automating all regression test cases

Unified approach to test web application across different browsers, mobile application across different devices

HOW ZUCI HELPED

Our team at Zuci understood the client's need to increase deployment velocity & did a feasibility study to identify the automatable test cases

Developed test automation scripts using Selenium & Python framework in line with the client's business requirements

Run regression test scripts daily in nightly builds with CI/CD to identify bugs

Tech Stack

TestRail JIRA

BUSINESS OUTCOMES

650+ test cases automated in 180 days

30 HRS saved in a week by slashing manual testing time

99% pass rate ensured with help of CI – Jenkins setup

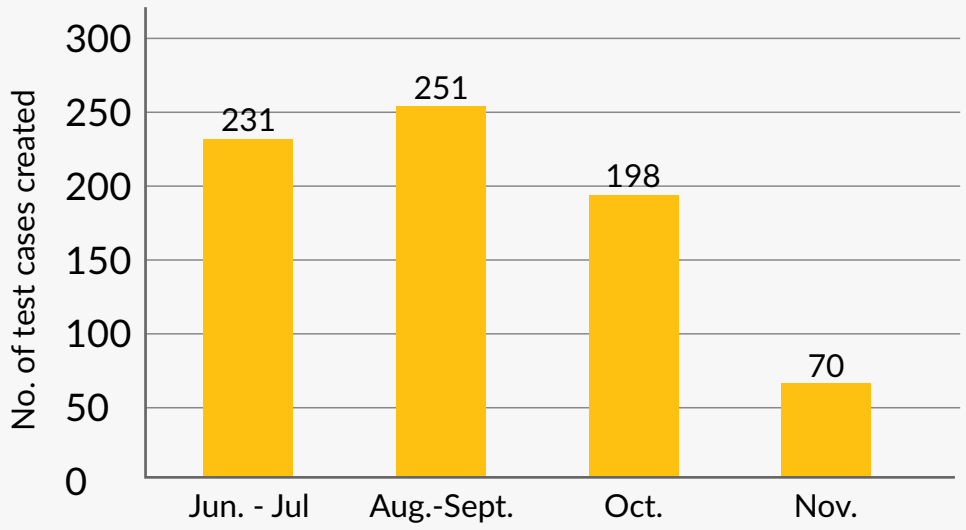
Greater code quality using Pylint & Black

Intelligent test selection leading to quick turnaround time in assessing the product quality

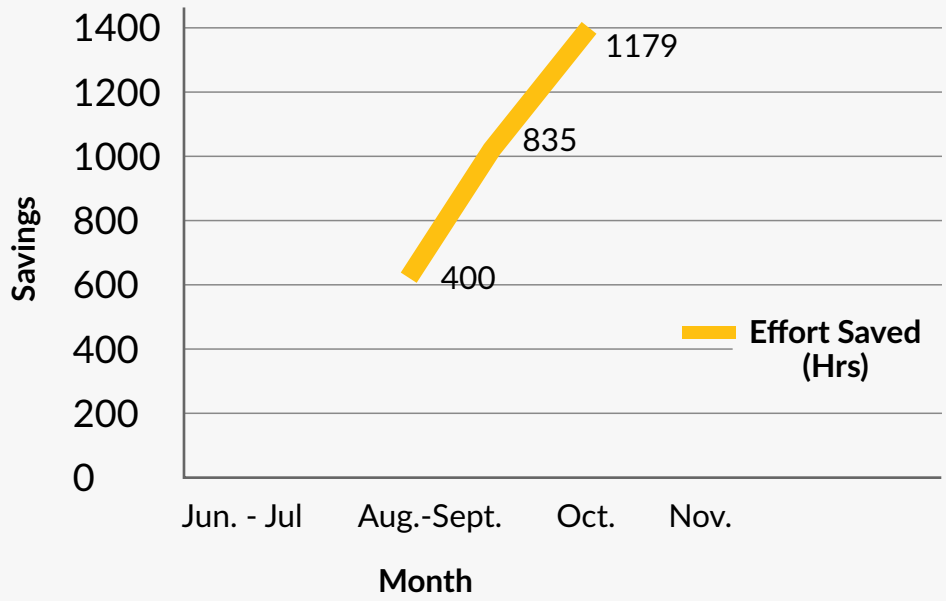
Early defect prediction leading to better Go-to-market decisions

ROI ON TEST AUTOMATION

AUTOMATION STATUS



HOURS SAVED



Learn how test automation could help you improve product quality and test coverage.

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