



CASE STUDY

Zado automated the GUI cases using Selenium and implemented a test automation framework within 90 days.

The customer is a leader in Testing, Inspection and Certification, delivering high quality services to help clients meet international transaction requirements. They had a web application that allowed traders to lodge their requests for certification and compliance and they would be able to see the status of their requests in real time using this application. The idea was to automate the entire certification process and avoid errors due to human intervention.

This was a complex web application with workflows to manage samples, analyze reports, certificates and associated documents. It was hosted on the AWS cloud. The customer wanted a partner who can automate the testing of their web application, which would provide confidence to each of their releases.

They chose Zado because of the technical expertise that they had in automation tools, automation framework, understanding of web applications, cloud deployments and scripting.

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PROJECT COMPLEXITY

- Complex workflow engine with no specific tool that would fit in directly to perform automation testing
- Support for multiple platforms and browsers
- Daily builds and insufficient regression coverage
- Predictability and confidence of the releases
- Cost of rework was very high

OUR ROLE

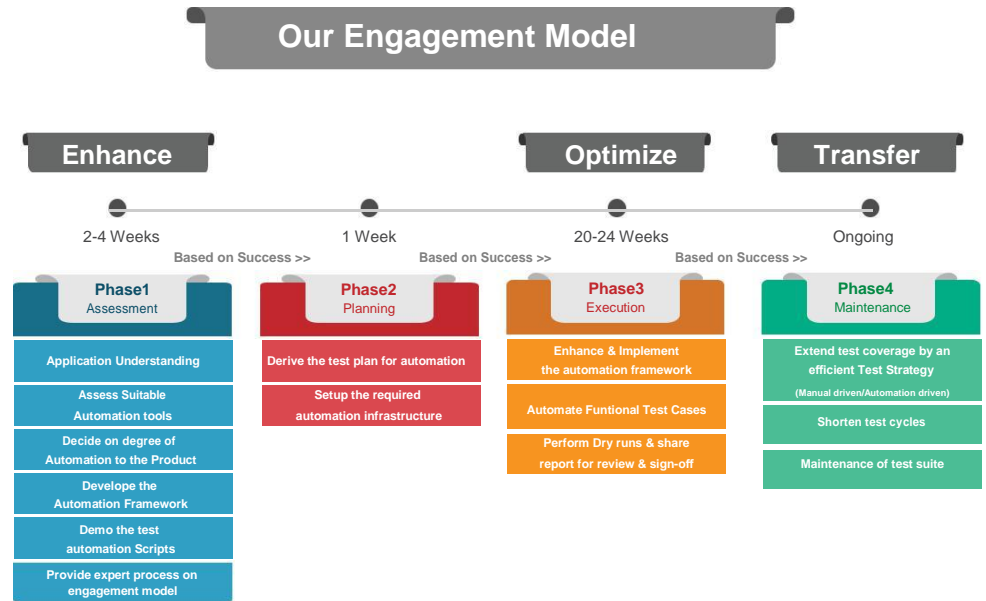
Zado understand the functional flow of the product including the various components that were used in building the application. We created manual test cases to validate the software. We created test cases for validating the RESTful API, checking the GUI, and verifying the middleware components.

We wrote python scripts to validate the components deployed on AWS. We automated the GUI cases using Selenium and implemented a test automation framework. We followed the Enhance – Optimize – Transfer (EOT) model for this work, whereby after automating the testing, we transferred the entire automation activity to the customer.

Automation was test scripts was carried out over a period of 90 days, considering all the complexity and the variety of technologies that was used in the web application.

Automated testing of a complex process-oriented work flow application and improved test coverage by 90%

EOT FLOW



This model helps the customer increase the confidence levels and they don't have to worry about the non -availability of automation skills in-house. Everything related to test cases, auto-mating of test cases, implementation of automation framework are done and optimized by us, before having them passed onto the customers.

OUR ENGAGEMENT

We began with the humongous task of automating a complex work flow based application. We dirtied our hands by under-standing the functionality and started creating test cases to validate different components of the web application including the cloud deployment separately. This allowed us to get a clearer picture of the automation framework to be implemented.

Then we went about automating the test cases using Selenium that allowed us to ensure quality of this cloud deployed application.

BENEFITS

- Automated testing of a complex process-oriented work flow application
- Improved test coverage of the application
- Testing of cloud deployment, which is considered a rarity Quick return on investment with reduced reworking costs
- Automation testing without in-house expertise; In-house testers remained testers while we handled the programming

ABOUT ZADO

Zado is an independent QA solution provider with specific focus on testing web, mobile and cloud applications. Our framework-driven approach to test automation ensures reliability and performance of your applications in diverse environments and complexities.

Our Center of Excellence works towards ensuring the success of every test automation initiative of our customers, irrespective of the stage that they are in – startup, transitional or mature. We have successfully helped Startup, e-commerce and Independent Software Vendors with their automation needs. Our goal is to ensure quality of your software using test automation optimally.

We are open to doing POCs and Pilots that prove our credibility. We also have an innovative engagement model, Enhance – Optimize – Transfer (EOT), where we implement automation testing and transition it to your local teams. Our points of intervention after that, will be only towards enhancing the automation framework.

Zado automation frameworks help manual testers write their own test scripts without the necessary automation expertise. This qualifies manual testers into automation testers, providing better economies of scale and faster ROI of your automation efforts.



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