

CASE STUDY FOR KEYWORD DRIVEN FRAMEWORK

For a major provider of software solutions company

SNAPSHOT

Industry

Payments Processing and Automation (BFSI)

Business Challenge

To reduce time to market the software while maintaining the quality

Omnitech Solution

Test Automation using KWDF

Business Benefits

Reduced time to market with improved quality with a cost effective solution.

Company Overview

A major provider of software solutions in the Banking and Financial sector in Europe and North American region, providing niche solutions in payments automation.

Business Challenges

The solution under consideration was a complex software with multiple types of customers and end users. The business addressed by the software is very vibrant and dynamic and hence requires constant upgrades and changes. The regression testing cycle after every change was very long and delayed the release of the software to the customers.

Technology Challenges

The application architecture was complex as it had to cater to different types of client base, installation base and user base at the same time. A Web 2.0 front end with AJAX built into the GUI along with a large set of test cases to be automated only added to the complexity of deploying a test automation tool in the environment.

Solution

A reusable and flexible KeyWord Driven Framework (KWDF) was deployed for the customer. Easily deployable KWDF addressed the business challenge of the testers to derive benefits without having to learn test automation tool.

The framework addressed the business functions in the application as keywords which were reusable across different user and installation base of the software. The keyword driven concept also helped the business users to understand and relate to the usage of test automation effectively and efficiently. The solution enabled the users to use the keywords to create test cases for the regression suite in excel sheets without a need to script or run the tool directly.

The execution of the automation tool resulted in a format which could be easily understood and interpreted by the non-technical business expert as well which is also an added advantage of the tool.

Result

The testing cycle was reduced from 3 weeks to 5 days enabling a much reduced release to market duration. The business experts were relieved from the repetitive and time-consuming execution tasks. This enabled them to focus on identifying and executing more tests as compared to existing.

The product management team successfully achieved the results with the improved quality while maintaining the cost.

About Omnitech InfoSolutions :

Omnitech InfoSolutions is an ISO 9001-2000 certified technology services and solutions provider company in the Business Availability and Business Continuity space. The Business Availability services include Infrastructure Management, Application Management and Performance Management services whereas Business Continuity services include Disaster Recovery Consulting and Management, Data Vaulting and Workplace Recovery Services.

Omnitech InfoSolutions is also a world-class provider of turnkey IT solutions like Server & Storage Consolidation, Virtualization, Network Integration Solutions and Data Center Management Solutions, Omnitech provides end-to-end support with guaranteed SLA (Service Level Agreements) in order to optimize infrastructure management and align IT with business goals.

Contact Omnitech InfoSolutions today for free consultation

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