



Case Study

Functional Test Automation for a Leading Middle East Transportation and Logistics Firm

Sonata Software Limited

www.sonata-software.com

Sonata provides Functional Test Automation for a leading Middle East Transportation and Logistics firm



SONATA SOFTWARE

The customer needed a partner who could provide end-to-end Testing Services for their product. Better quality products and faster time to market were other key considerations. Sonata provided Managed Testing Services and was able to optimize costs and improve application quality

SOLUTION OVERVIEW

Profile

Sonata Software, headquartered in Bangalore, India, is a leading IT consulting and services company. Sonata's customers are located across the US, Europe, Middle East and the Asia-Pacific region. Its portfolio of services includes IT Consulting, Product Engineering Services, Travel Solutions, Application Development, Application Management, Managed Testing, Business Intelligence, Infrastructure Management and Packaged Applications. As per the industry rankings released by NASSCOM for FY07-08, Sonata Software figured among the Top 20 IT Software and Service Exporters in India. Sonata Software has also been ranked global #2 in the 2008 Top Ten ESO: Outsourced Software Development in The Black Book of Outsourcing

Website

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Scenario

Sonata was involved in providing automated testing services using Sonata's Test Automation framework.

Benefits

- Reusable testing framework.
- Maintenance of test scripts at a fraction of the effort.
- Good documentation on all deliverables.
- Production issues were minimized.
- Reduced testing cycle and thus, quick implementation of any changes.

Customer Profile

The customer is one of the largest ocean carriers of dry cargo in Middle East providing a range of shipping related services like shipping agencies, freight forwarding, land transportation, sea/air cargo, petrochemical transportation, chartering, container repairs and storage. The customer currently operates a fleet of 44 fully cellular container vessels; with 3 more delivered in 2008, and 10 more in 2009. The company's focus is to improve its services in order to meet the stringent requirements of their increasingly diversified customer base.

Business Objectives

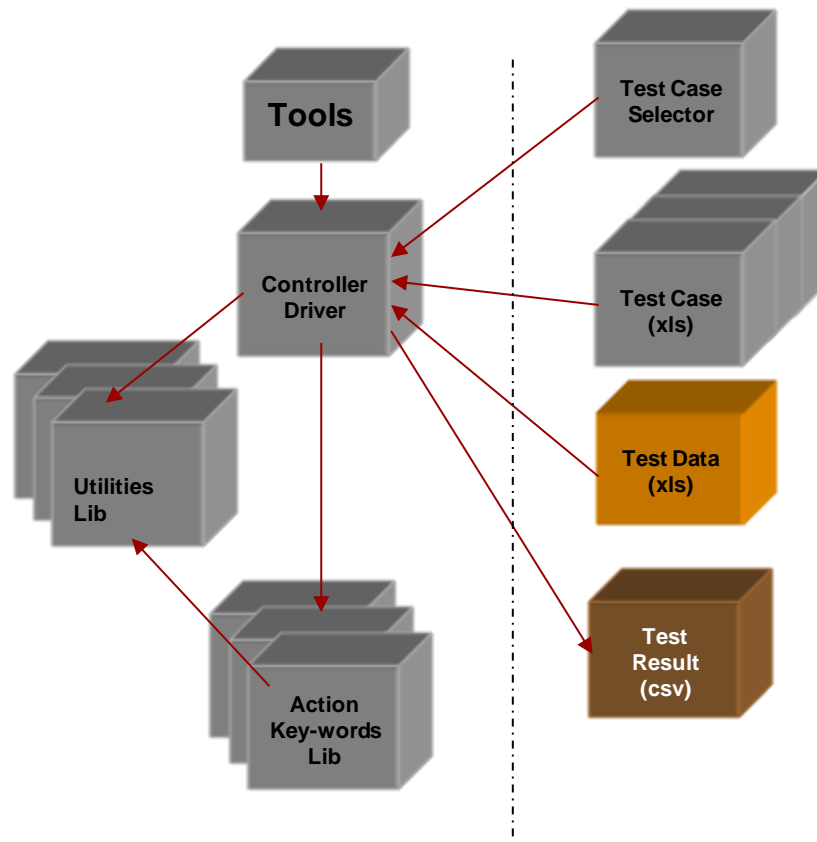
- To cater to the increasing requirements from end customers and to enhance the product functionality
- To reduce the regression testing effort and cost
- To reduce overall test cycle to help increase frequency of releases resulting in faster turnaround time for business change requests
- To improve the test coverage by running more tests using manual and automated testing
- To reduce testing cost over a period of time

Sonata's Solution

Sonata undertook overall responsibility of testing their product and as part of the engagement; Sonata assisted the customer to accelerate efficiency of their various critical transactions and business processes. Sonata deployed its functional testing framework for this purpose. After a thorough evaluation of testing tools, Sonata proposed QTP for functional automation.

In addition to customizing the framework to suit the product requirements, Sonata designed and executed the entire testing cycle, including Test Strategy, Planning, Design, Execution and Reporting.

Architectural View of SonnetTEST-Sonata's Test Automation Framework



Project Metrics:

- Effort : 80 PM
- Team Size : 10 persons
- Elapsed Time : 8 months
- Scenarios Automated : 1000

Project Highlights:

- Phased approach of the modules.
- CMMI Level 3 processes were followed.
- Script based automation testing for data layer.
- Acquisition of knowledge on shipping domain and its automation.

Business Benefits:

- This engagement enabled the customer to improve productivity while reducing overall effort to test the product. It also generated the following benefits:

Reusable testing framework

Maintenance of test scripts at a fraction of the effort

Good documentation on all deliverables

Production issues were minimized

Reduced testing cycle and thus, quick implementation of any changes

Ability to perform predictive analysis in production environment based on pre-production performance test

For more information, contact info@sonata-software.com

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