

Case Study: Paradigm Quest – Automation Jira/Zephyr Confluence

“We selected QA Consultants as our QA and Testing Partner, and they have been great at not only enabling test automation for our most time consuming mortgage ingestion process, but also supporting us with agile tools adoption and On Demand resourcing which is helping us achieve significant cost savings, efficiencies and overall quality.”

– Saeyed Shamlou, Paradigm Quest Inc., Director, Quality Management & Testing

CHALLENGE & TEST REQUIREMENTS

Paradigm Quest was seeking a partner with strong test automation expertise to design and implement an automation framework for their web and Windows based, mortgage processing applications. In addition, experience with installing and administrating agile test tools (Jira/Zephyr and Confluence)

- QAC provided training to the PQ team on usage of Jira, Zephyr, and the Confluence.
- They were new to test automation, so QAC expedited the design and coding of an automation framework coupled with an easy to use test script spreadsheet that was used by manual testers to seed mortgage applications through to the ingestion process.
- A number of challenges were encountered in terms of both design (automation tools, frameworks, automation languages), test coverage requirements (multiple applications, multiple browsers), and tight deadlines (multiple projects, 'Agile' environment).

BENEFITS

- ✓ Introduced a comprehensive set of processes/standards/tools to manage testing execution and reporting
- ✓ Custom automation tool and process to increase quality
- ✓ Provided resources at lower cost than FTE or local contractors
- ✓ Reduction and control of approvals process for Business requirements

SOLUTION & APPROACH

- Standardized methods and processes adapted to Paradigm team's unique requirements
- Set up a tools framework, included workflow, changes to defect and test case forms, plus standardized dashboards for reporting
- Integrated Jira/Zephyr and Confluence for requirements reporting
- Designed customized training materials for Jira/Zephyr
- QAC provided an Automation Architect and Automation Specialist who were based onsite
- QAC built an automation framework with the following components: Ranorex, AutoIT, Selenium, C#, Java, Visual Studio

RESULTS

- ✓ Significant contributor to standardizing processes and procedures for QA Consultants
- ✓ Delivered automation solution built to ParadigmQuest requirements (AutoIT framework for Windows; Selenium for web, and BDD)
- ✓ QAC resources integrated seamlessly with PQ QA team
Considerable reduction in manual test effort
- ✓ Significant contributor to completing projects on time and with higher quality
- ✓ Enhanced reporting at a project and consolidated level
- ✓ Worked with PQ to deliver an integrated test management tool suite

