

# Case Study: Paradigm Quest - Test Automation



## Common Challenges

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.

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).

A partner was sought who could provide deep test automation expertise onsite and at low cost

PQ offers full business process outsourcing services and solutions.

Regulatory Compliance requirements

Customizations applied for each client



Initially, QAC completed test automation tools evaluation initiative

QAC provided an Automation Architect and Automation Specialist who were based onsite

QAC built an automation framework with the following components: Ranorex, Selenium, C#, Java, Visual Studio, BDD, AutoIT

Weekly Status updates and demos to PQ team

- Delivered automation solution built to Paradigm requirements (Ranorex framework for Windows app; Selenium for web)
- QAC integrated seamlessly with PQ QA team to provide automated testing
- Considerable reduction in manual test effort
- Significant contributor to completing projects on time and higher quality

- Provided 2 resources / lower cost than FTE or local contractors
- 70% time saving vs manual testing
- 95% time saving when run overnight
- Automation test framework handles multiple clients / configurations