

Problem Statement

Our partner was battling six common problems in parallel:

1. Evolving business proposition
2. Mercurial technical requirements
3. Large test cycles between 2-6 weeks; shorter cycles accepted significant regression risk
4. Inexperienced test team in key technologies
5. Necessity to performance test at scale
6. Legacy test tooling

Partner's Response

- Scaling of manual test teams contracted on a 12 x 7 schedule
- Upgrades and bespoke customization to legacy test tooling
- Evaluation to de-scope test cases
- Significant development team support for testing

Syntaxa's Response

- Our chief architect crafted and agreed a new testing strategy and our senior developer built the first version; follow-up partnering with their developer to complete the build of all automatable test cases
- Solving problems through code; measurable and repeatable automation
 1. Automated integration test harness; data driven, tester friendly, maintainable, extensible
 2. Business friendly tooling to execute integration test cases delivered by (1)
 3. Performance test suite running integration test cases delivered by (1) at scale in cloud based SaaS tooling
- Abstract complex technology and concepts away from testers, enabling them to apply their expertise
- Application of Agile principles coupled with a DevOps mindset to bring test execution and automation into development sprints (enhancing the team's "definition of done")

Outcome

- 85% of test cases met through automation; remainder requiring manual verification of batch routines or human acceptance of UI;
- Automation completed circa 1,000 test cases in 45 minutes;
- Simplified tool chain, minimal code duplication
- Project milestones achieved early
- Top 3 position when ranked against peers for performance

About Syntaxa

Syntaxa is a developer led consultancy specializing in deploying technical solutions to problems to increase efficiency, minimize risk and leave a lasting legacy. We have worked with partners across Europe to recover delayed projects, build new businesses and provide thought leadership.

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