

Case study: Testing in an agile environment

Brickendon's experts successfully led a global agile programme to facilitate the testing of the client's ecommerce front-office application. Brickendon ensured the wide geographical spread of the application - across 20 countries in APAC, Europe, US and Latin America – did not affect the quality of the software.



Automation

Client Challenges:

- ⚙ Limited time window for communication between teams in different regions
- ⚙ Significant capacity restraints as teams forced to complete development work and core Business as Usual enhancements in addition to the rollout
- ⚙ Poor interaction and coordination between the development and test teams
- ⚙ Project timelines threatened due to misaligned sprint releases delaying SIT and UAT

Brickendon Solution:

- ⚙ Implemented Brickendon's own TCPS (Time Check Point Solution) to modularise testing and facilitate agile execution

TCPS defines a list of modularised test checkpoints which are used to perform an accurate test estimation and execution in a highly agile fashion. This enables BAs and developers without testing expertise to review the testing artefacts and ensure good quality test design.

- ⚙ Increased interaction between the test, development and business analysis teams and ensured the development team was very clear about the acceptance criteria before starting the development
- ⚙ Designed a unique agile test execution approach called BEAP (Bucket Execution in Agile Projects) which enabled the project team to successfully combat the critical misaligned sprint issues

BEAP modularises the process, allowing testing to be executed in buckets. Issues are identified early in the project lifecycle, thus avoiding costly fixes at the end of the project.

- ⚙ Built an end-to-end test pack to ensure quality integration of all development buckets
- ⚙ Defined various innovative processes in defect, test reporting and test execution-related communications to address issues associated with teams being spread around the globe
- ⚙ Implemented clear entry and exit criteria methods and an efficient test coverage matrix methodology, simplifying the maintenance and ensuring thoroughness
- ⚙ Implemented an efficient retrospective methodology to effectively utilise lessons learnt

Client benefits:

- High quality of test design
- Identification of critical issues early in the lifecycle, therefore avoiding costly delays later in the project
- Resolution of issues caused by misaligned sprint releases
- Standardisation of the test process
- Wider test coverage with decreased test execution time
- Efficient and effective interaction between the teams despite a wide geographical spread



Brickendon's innovative bespoke solutions help save our clients time, money and resources.

Brickendon is an award-winning transformational consultancy specialising in innovative solutions that solve our clients' challenges quickly and efficiently. Focused on three practice areas of automation, data and digital, Brickendon is here to disrupt the market with the latest machine learning, automation, data analytics advisory and Agile programme delivery. Our aim is to do this in weeks and not months, saving our clients time, money and protecting their reputation.

Why choose Brickendon?

Our track record: We have demonstrated a long, proven track record of transforming our clients through our innovative bespoke solutions.

Our innovative approach: No one client is the same, therefore our intelligent, experienced and focused consultants use their domain experience to address each challenge in an innovative way, using skills from their past and knowledge from Brickendon's continual learning hub.

Our resources: Our onshore, offshore and nearshore capabilities mean we are well placed to cater for all our clients' needs, making the best use of our consultants' 10 years-plus domain experience.

Our passion: We love what we do and thrive on improving our clients' profitability, efficiency and increasing their competitive edge. We are driven to develop the most innovative solutions and take pride in seeing the tangible benefits of a project come to fruition.

Our automation practice: Manual processes reduced; speed & quality increased

Continuous automation is key to improving overall quality and creating efficiencies. Whether onshore or offshore, in a data-centre or in the cloud, Brickendon's automation experts are here to ensure you make the most of the opportunities offered by innovative techniques such as DevOps, Robotic Process Automation (RPA) and Automated Intelligent Regression Testing (AIRT). We take full responsibility for the software quality from requirements to production and provide guidance and tried-and-tested techniques to help reduce manual dependencies and lead you to success.

To find out more about Brickendon's expertise, please do not hesitate to contact us:



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