



Business process driven test optimization for an Insurer

Client

The client is a UK-registered mutual insurance composite, underwriting over £1.5 billion in annual premium in life and general insurance lines for rural communities within the UK.



Mindtree

A Larsen & Toubro Group Company



Challenges

Frequent regulatory changes and the launch of new products and variants to existing products necessitated changes to the core business applications. The client also had to introduce a new core administration system to ensure agility to the above business demand.

Mindtree optimized regression testing by re-baselining the regression test suite based on changes in business processes or product features and ensured accuracy by eliminating obsolete test cases. Further, the test cases were mapped to a risk-based priority and executed based on the risk-assessment for a given release.

The project team leveraged MF UFT tool for test automation across point of sales life application for sanity and regression test cases. We conducted a post-implementation review to retain project and application-specific knowledge, which could be leveraged for onboarding new resources.



Solution

To ensure sustained quality and consistency in business operations, Mindtree offered testing services covering a wide range of life and savings products such as Term & Whole of life variants, savings and investment products including ISAs and bonds, retirement products including pensions and annuity offerings catering to both individuals and workplace groups.

Mindtree's scope included end-to-end testing of the client's new core admin system for savings and pension products and functional enhancements to existing systems. The testing work encompassed sales, marketing, new business, underwriting, customer management, policy admin and document management.

Mindtree adopted a business process-driven testing approach by baselining application business processes and scenarios for a base product group and capturing incremental changes and associated business scenarios for other product groups. This ensured optimal test coverage across products and processes. This also ensured reusability of the test cases for future releases in similar projects and maintained 100% requirement traceability in HP ALM for all changes.



Benefits

Mindtree delivered the following benefits in its testing services:

- **Reduced Time-to-Test** through standardization, centralization and automation of the testing process
- Ensured quality by achieving **98% defect detection efficiency** in system and integration testing
- **25% effort saving through process centric application testing** and reuse
- **55% automation coverage for Point of Sale applications**

ABOUT MINDTREE

Mindtree [NSE: MINDTREE] is a global technology consulting and services company, helping enterprises marry scale with agility to achieve competitive advantage. "Born digital," in 1999 and now a Larsen & Toubro Group Company, Mindtree applies its deep domain knowledge to 300+ enterprise client engagements to break down silos, make sense of digital complexity and bring new initiatives to market faster. We enable IT to move at the speed of business, leveraging emerging technologies and the efficiencies of Continuous Delivery to spur business innovation. Operating in more than 15 countries across the world, we're consistently regarded as one of the best places to work, embodied every day by our winning culture made up of 21,000 entrepreneurial, collaborative and dedicated "Mindtree Minds."