

Mindteck helped a leading product development company in the Workers Compensation Insurance Space in developing a product with scalable, extensible architecture and a standardized QA Methodology and Test Process

The Client

Our client is a leading product development company in the Workers Compensation Insurance Space.

Challenges

Our client's 10 year old core application client / server platform needed to be enhanced and upgraded to suit current and future needs. Also, there was no formalized testing and the goal was to set this up as a formal process in order to achieve the desired level of application stability. The application was written in VB and there was a need to build a product with scalable, extensible architecture, with a user interface that is rich and intuitive. Also a cost effective standard QA and test process was required.

Mindteck Solution

The solution was based on .Net 3.5 framework with Oracle platform leveraging concepts of Web services. Mindteck set up a Global Delivery Model of onsite/offshore team to execute the project and provided a cost effective solution to the client. Re-architecture and UI upgrades were performed by the offshore team. Application involved use of C# as programming language and Object Oriented principles for design. The team was lead by a domain expert in the Workers Compensation Insurance space to standardize the QA methodology.

The team was collaboratively involved in co-development of the product along with the client team. MOSS 2007 was used for team collaboration and TFS facilitated collaborative development between Mindteck and the client. The product did not have formal test cases or documentation. The testing team initially focused on setting up the formal processes and procedures for Quality Assurance and Testing. On an ongoing basis writing test cases, testing enhancements, fixes, regression, and collection and reporting of metrics. Test cases were written to improve the requirement document and to ensure 100% coverage of requirements. Visual Studio Test suite was used for automating regression test cases and performance / load testing. TFS was used for bug tracking.

Client Benefits

Mindteck development a solution that incorporated higher scalability, performance and extensibility aspects. It also leveraged the global delivery model to provide a cost effective solution for implementation. Mindteck helped streamline the QA and test process thereby enabling the client to make relatively 'bug free' releases. It greatly increased test coverage by increasing the number of test cases and regression test cases. Mindteck also setup a formalized test metrics collection and reporting for tracking efficiency of test process. It also helped to improve the quality of requirement documentation through a formal review of functional requirement specifications.