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Core Values

- Honesty - Integrity Customer : Our God

Case Study

The client, Radian Guaranty Inc. , is one of the leading insurance company in US Mortgage industry.

The Requirement

Radian was looking for a case management system (CMS) which is flexible, highly customizable, easy-to-use and supporting an open architecture. The assignments received to ITShastra (ITS) have highly complex calculations based on the business rules. Radian has to integrate the CMS with their other applications with the help of web services. Additionally, client wanted to implement the efficient document management functionality on the case level. The new enhancements in this project are in progress.

ITS Test Strategy

Testing team studied the requirements, identified the impact on the other areas of the application. Team get the queries resolved from the client on the daily status calls and probable risks escalated to the client at earliest. Fixed the scope of testing. The complex components have been decomposed into an independent systems. The systems in which UI level functionality test was required, the test scenario and test case writing has been done. Over 1000 Test Scenarios and 6000 Test Cases have written till date for this project.

The most challenging part in testing was the business calculations and rules. After analysis, we found that, by preparing intelligent test data (by applying the testing techniques and 5 yrs of experience), along with excel sheets with formulas we tested all the calculations successfully.

After every release, smoke testing is performed. Once the build found clear then the testing team proceeded for System Testing. The system testing also covered database testing. Database level test case were also written. Two rounds of testing done for each system.

Web Service testing has been done through SOAP UI. Stress testing has been done with the help WAST tool.

One of the ITS test resource co-ordinated the testing team from client end.

Automation and performance testing is done using Silk Performer and QTP tools respectively.

ITS is using Project Tracking System (PTS), a self-customized tool, to keep track on each assignments' status, documents related to each assignments, change logs, resources working, test procedures and scripts, defects, hours consumed against the estimated hours, defect analysis and client feedback.

Testing status shared with client in a daily status call.

After completion of system testing in local environment, team performed the regression testing in local environment.

Testing team then performed integration testing with other systems of Radian by remotely accessing the QA environment.

Because of such rigorous process, ITS has successfully reduced the defect ratio to less than 5% (per industry standard 5% defect ratio is acceptable) hence deliver a quality results.

Analysis of the defects found in UAT by business persons has been done. The corrective and preventive actions / techniques have been taken and conveyed to Radian to maintain the transparency.

Advantages To Client

- Transparency from assignment initiation till the PROD release through PTS
- Conformance to the quality at each level
- Quick turn-around time without compromising the quality
- Cost-effective
- Lessons Learned & client feedback for the purpose continuous process improvement
- Proficiency on open tools to branded tools under one roof