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Regression Testing for a Fortune 200 Utility Company

Overview

- The client was under severe time constraints to perform testing on its mission-critical, contracts management.

- The US Technology approach leveraged our methodology and experience in deploying automated testing tools.

- In conjunction with the client, we formulated a testing strategy based on the complexity and scope of automation.

- A test project plan and schedules were prepared to drive testing efforts, with project execution appropriately tracked and reported.

Profile
Our client is a US-based, Fortune 200 energy-services company that develops energy infrastructures, operates utilities, and provides related products and services to more than 29 million consumers in the United States, Europe, Canada, Mexico, South America, and Asia.

Business Issue
This client was under severe time constraints to perform testing on its mission-critical, contracts management application. Additionally, many of the existing testing efforts were predominantly manual, causing unnecessary cost overruns. Thus, the combination of these challenges led this client to engage us to provide industry best practices training within a short period of time. As part of this effort, we also provided end-to-end testing services, as well as fixing bugs and making numerous application enhancements.

UST Approach
From our offshore development center, our testing staff initiated regression testing using the client site test environment. This testing process required creating realistic models, using Quick Test Professional, to simulate the client's highly complex business process flow and transactional environment. The US Technology approach leveraged our methodology and experience in deploying automated testing tools. This required the following process.

- We employed business analysts and automation experts to learn the testing requirements of the target application.
- In conjunction with the client, we formulated a testing strategy based on the complexity and scope of automation.
- Testing automation scenarios were chosen and the order of work determined and approved.
- A test project plan and schedules were prepared to drive testing efforts, with project execution appropriately tracked and reported.

Benefits
Our team played an integral role in ensuring that mission-critical applications were ready for deployment. The benefits accrued by the client included:

- Rapid turnaround time.
- Reduction in client's manual testing efforts.
- Identification of previously undetected bugs.
- Aiding the client to generate test data for performing integration testing.