

Regression Test Automation Best Practices Using Telerik Test Studio

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Abstract

Bimar IT Services develop software products in many different fields such as agency services, ship operations, logistics services. These software products are being tested by Software Testing Team before they go live on production environments. Testing team performs different types of software testing such as GUU testing, regression testing, etc. Another important responsibility of the testing team is the creation and maintenance of automated test scenarios for all types of applications regardless of underlying technology, interactivity or complexity by using Telerik Test Studio. Since the start of using Telerik Test Studio as a test automation tool in Bimar, time consuming testing related operations have decreased. For instance, manual testing of Invoice module, which is considered critical within Bimar, took four hours of 3 testers in a week which means 6 man/days per month. On the other hand, after using Telerik Test Studio, automated testing of Invoice module just takes around 30 minutes of 3 testers in a week, which is almost equals to 1 man/day per month. Nonetheless, there is always a risk at manual regression testing of critical modules. Due to time constraints all tests cannot be run manually with respect to the change that took place in software, which might result in undiscovered defects. Setting up automated regression tests to run after each deployment creates time for the testers to perform exploratory testing, concentrate on different areas which cannot be automated and concentrate on other tasks to improve themselves.