



Automated Functional Test (AFT) Suite

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Project/Service Category

Testing

Technology

- Database – Liquibase
- Development tools – Selenium 3 , Jira, FishEye, SonarQube, Bamboo, SmartGit, Slack, Zoom
- Applications servers – Apache Tomcat
- IDEs - IntelliJ IDEA

Benefits

- Automated test scripts aided in continuous integration and reduced the development costs and time
- Automation helped finding bugs in the early stages of software development, reducing expenses and working hours to fix the problems

HTC's automated functional test suite cuts down testing costs and business owners' dependency

Background

The client was upgrading their on premise financial system to current code base. The upgrade process increased the testing burden on business owners and they were not able to focus on their core functions.

Solution

To reduce the testing burden on business owners, HTC was engaged to create an Automated Functional Test (AFT) Suite to cover the identified, repeatable, and critical tests.

HTC understood the processes and tools used to identify and document business cases for automation. In addition, technical patterns and tools used to write automated functional tests were analyzed.

Solution Highlights

HTC leveraged Selenium Web Driver and TestNG framework to develop the AFT Suite. Page Object Model (POM) was utilized to:

- Reduce the number of duplicate codes which does same operation
- Maintain object in a separate file
- Improve the readability of code
- Create page objects representing pages of a web application to test
- Create methods for page objects that represent actions to perform within the pages they represent
- Create tests that perform actions in the required order and perform checks that make up the test scenario
- Run the tests and inspect the results



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- Extensive experience in providing cost effective and innovative IT and Business Process Services and Solutions across domains for global customers since 1990
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