

# Test Management Tool & Automation Framework Integration Platform



The client is a US-based renowned test case management solution provider with around 5 million customers across more than 100 countries depending on its solutions every day. It provides its customers with improved software quality by managing and monitoring end-to-end testing that results in better productivity, faster time to market, and dramatic cost savings.

## The Challenges

One of the biggest challenges that the client was facing was monolithic code and poor database design. This led to performance issues and the inability to add new features to the product. This also translated into an increased number of customer escalations from clients who were using clients' products for testing.

## Quarks Solution

Quarks provided them with the digital solutions to improve the performance of the product and provide stability while maintaining the quality.

- Reduced around 80% of existing issues when we took over the product.
- Improved the usability by designing through Photoshop and XD.
- Performance improvements done with inputs from datadog tool.
- Enhanced unit test coverage and monitored through SonarQube.
- BDD tests covered using Cucumber and Java with Rest assured.
- Release delivery streamlined through Jira.

## The Benefits

**Quarks innovative solutions helped :**

- Reduced customer escalations by 60%.
- Performance improvement overall by 75%.
- Execution times for feature like data export came down from 30 minutes to <1 minute.
- Application level project(s) backup & restore time reduced from 2 hours to 10 minutes.