

Functional Testing and Performance testing of Ed-Tech platforms



A Renowned Ed-Tech Company which is delivering both B2B and B2C solutions to the end users.

The Challenges

The Client have gaps in the QA Process and release cycle was not planned earlier:

- The testing process wasn't in line with the development and business processes.
- Frequent Releases and improper adoption of the agile approach
- There had been specifications gaps and plenty of UAT feedback.
- There was a lack of accurate estimation and planning.
- Numerous problems existed with Production.
- Page Experience issues with almost all the platforms
- multiple platforms with significant integration potential

Quarks Solution

Quarks Involved with the QA Process and their product Deliveries:

- We have conducted an evaluation of the current Processes while engaging with the Project and Product team.
- We identified gaps and started working correcting them.
- A robust end-to-end QA process was established.
- Coordinated for more precise requirements with engineering and business.
- The creation of test scenarios, their entire execution, and the accurate tracking of defects within the sprint cycle.
- To close the gaps, organize multiple reviews of open tickets for both product and business.
- Identified almost all production issues and updated the business team for priority and the project team picked those issues in the sprint cycle. Gradually reduced the production issues.

The Benefits

- Identified the Impacts of integration and testing scope has been defined.

Quarks innovative solutions helped:

- The achievement is the 80% drop in bug leakage on the production.
- achieving almost complete test coverage of the changes, leading in 90% of the bugs being caught early.
- Regression testing has been used for 80% of the coverage, and the majority of defects have already been reported in early stages.
- The business goals have been achieved with on-time delivery.
- 90% of the issues regarding cross-platform compatibility and page performance have been fixed.