

Comprehensive Functional QA of a Productivity Boosting Software for Construction Business Cases



Client Overview

- The Client is an independent software provider of productivity solutions for Construction Design for extensive business workflows : document management, Logistics, Project management, Design reviews and submission etc.
- Their Application is an innovative and comprehensive architecture design management software of PDFs and Computer Aided Design (CAD)



Business Challenges

- Product (Platform) Knowledge expected of QA Engineers to derive a comprehensive test strategy
- Continuous improvements to product functions and frequent change requests to be accommodated in Test Plan
- Extensive Test Coverage for Core Features and Ongoing Changes
- Regression Testing to ensure platform stability



Our Solutions

- Knowledge Transfer sessions and translated them into extensive Test Scenarios by Module and Functional depth
- QA Process Set up to industry standards: from Documentation to defining entry-exit criteria, inclusive Unit Testing and Code Best Practices
- Defined and streamlined QA plan for New Features / New Change Requests/ Regression
- Coordinated with Dev for timely release management of planned features and getting a fully tested and quality platform ready for release with no delays
- Exploratory testing for early identification of defects
- Executed 10000+ Test Cases (Manual) for Functional Validations across modules achieving 100% Test Coverage

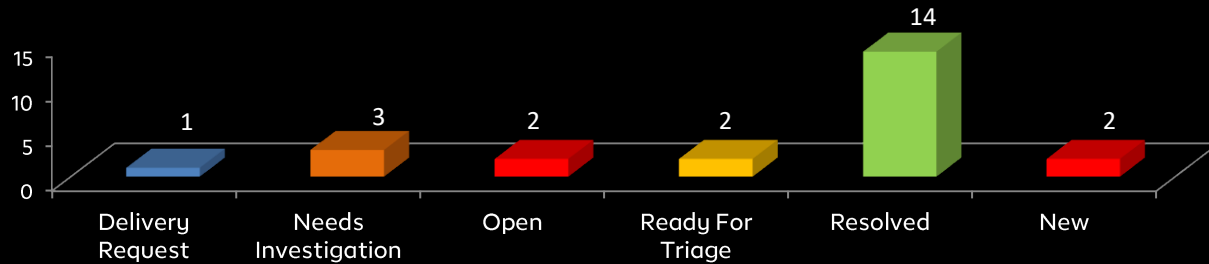
Sample Reports

Execution Metrics By Test Suite

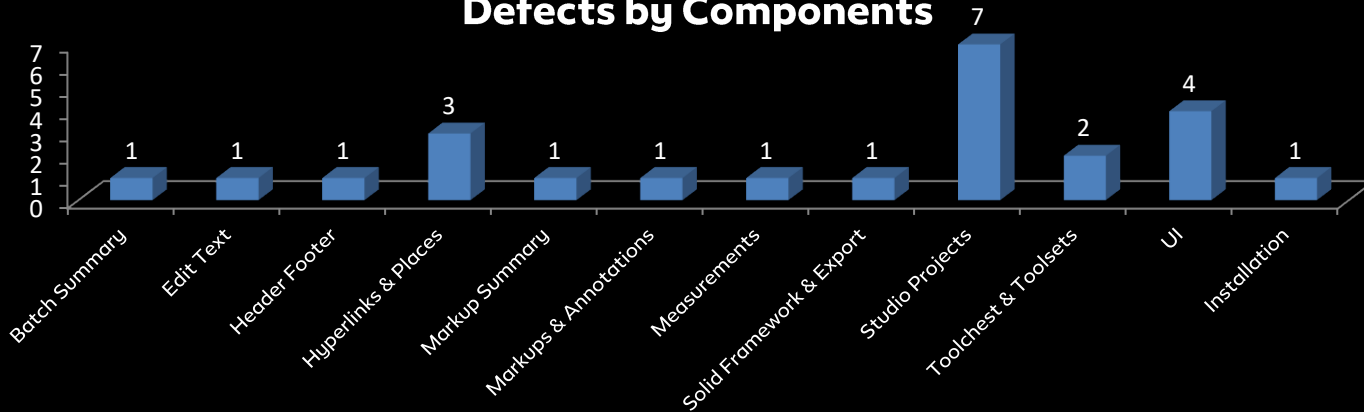


Defect Reports Samples

Defects by Status



Defects by Components





Results and Business Impact

- Integrated QA Support in line with Dev, enabling simultaneous knowledge acquisition and product vision
- Proficient in product knowledge and version history to be able to provide product feature enhancements
- 100% Test Coverage and ensured Zero Defect Leakage into every release consistently
- QA Support for different product versions for custom requirements and additional features to baseline core product
- Visibility into defects with details of impact by severity and priority of fixes for release management



Tools

- Test Execution: Test Rail
- Defect Management: JIRA
- Project Management: Confluence



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