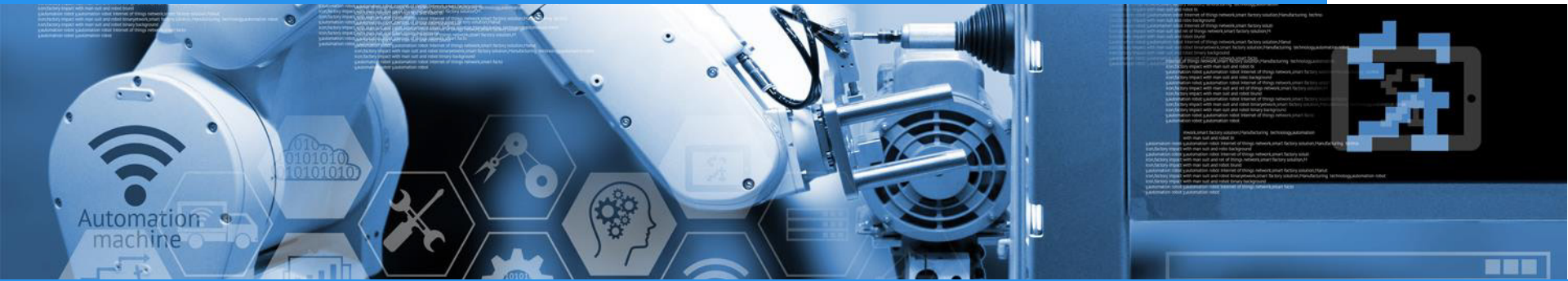


Quality Assurance and Validations of Ops Management Application in Manufacturing



Client Overview

- Leading manufacturing firm focused on shop floor management involving smart production and operations
- The application is used by operators and managers on the shop floor, for plant operations like monitoring machine production orders / yield etc.
- The application was developed on Mendix and integrates with SAP / host of other enterprise applications



Business Challenges

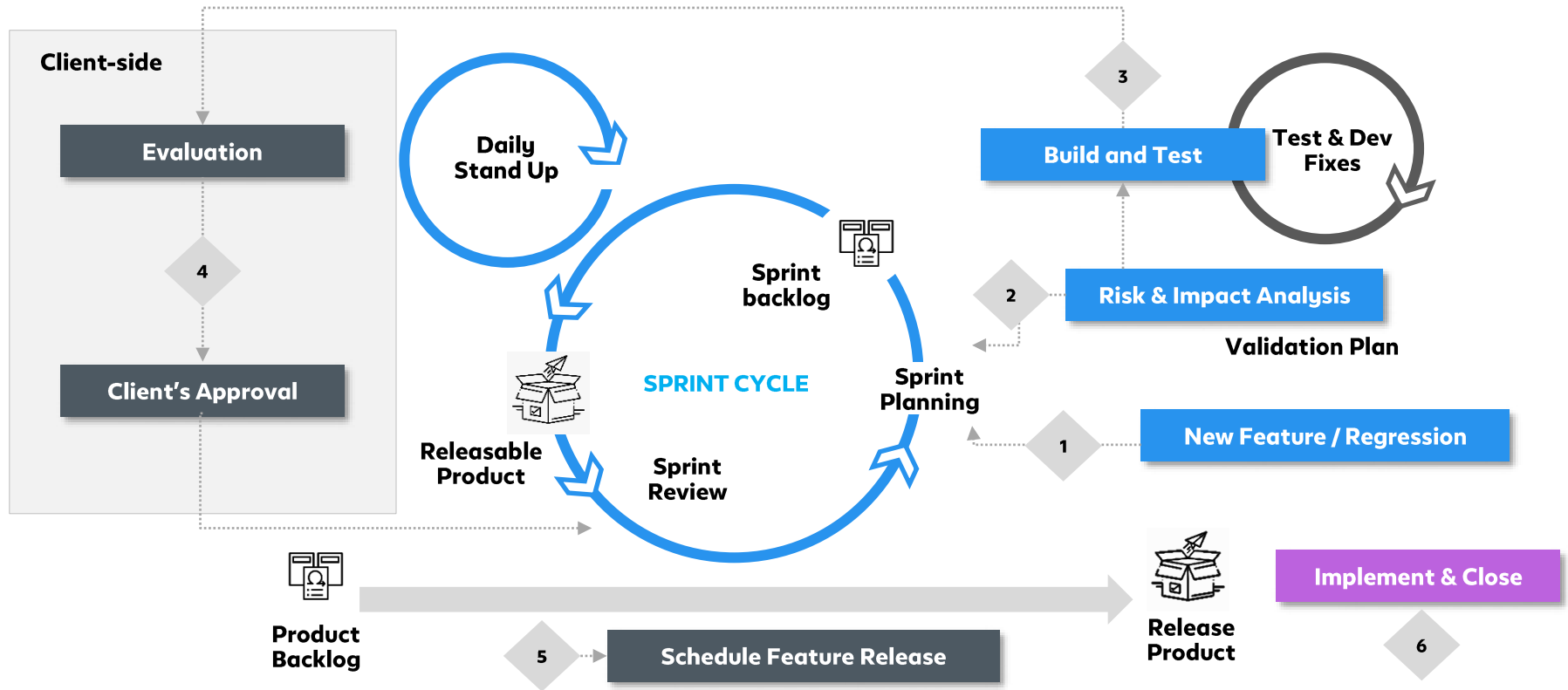
- End to end functional validations of the application with different user workflows / interfaces
- App experience and functional integrity across Web, Smartphones and Tablets, other resolutions (4K)
- Collaborate with Product Owner and Dev Teams for complete (sprint-wise) knowledge of the app functionality
- QA to envision Sprints and monitor functional dependencies / requirement traceability



Our Solutions

- Adopted Agile Testing methodology (2-3 Week sprints) to conduct Functional Tests for New Features and Enhancements
- Requirement Understanding and KT sessions for User Stories and Clarifications
- Detailed Test Case Design by Functional Modules and UI, field validations
- Sprint wise estimates to QA execution, executing upto 60 High Level Test Scenarios per sprint
- Defect reporting and management by Severity and Priority Classification
- Root cause analysis of defects and resolution intelligence to Dev Team

Agile Testing Process : QA Team





Tools

- MS Office Tools
- Project Management tools



Results and Business Impact

- Integrated QA Support in line with Dev, enabling simultaneous knowledge acquisition alongside development
- Solid vision of sprints (both history and forthcoming) for a complete picture of QA touchpoints and regression planning
- Visibility into defects with details of impact, resolution, validity of bugs and recommendations



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