

Functional and Performance Testing for a Healthcare Software



Business Requirements

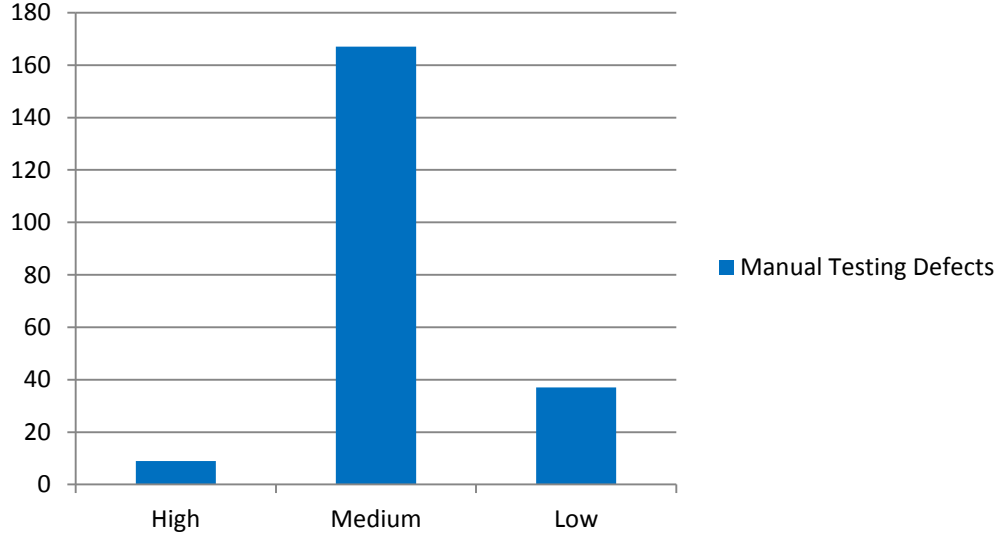
- The application is a maintenance management software which helps to maintain the key data of a healthcare industry. It has separate modules for maintaining different components like Work Order, Asset tracking, Property Management, Schedule, Dashboard and Reports.
- Test end to end functionality of the application
- Execute regression testing to ensure no code break or defect leakage into production
- Identify appropriate tools that support WCF and XBAP technologies
- Reduce Test Cycle time



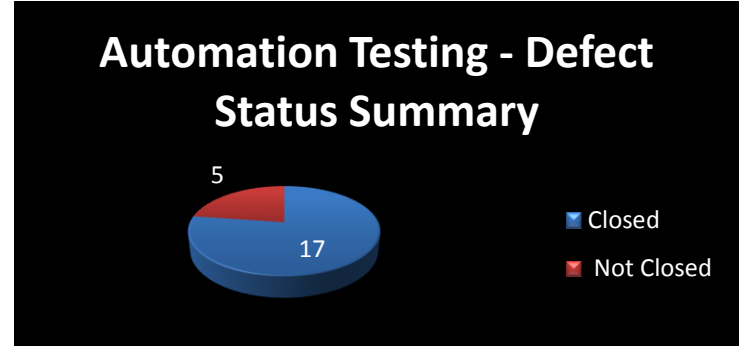
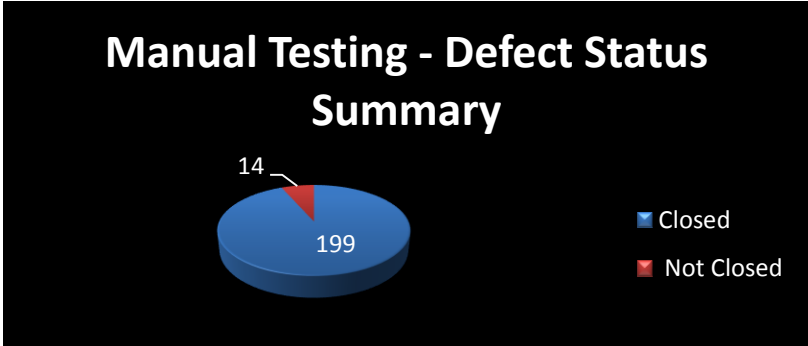
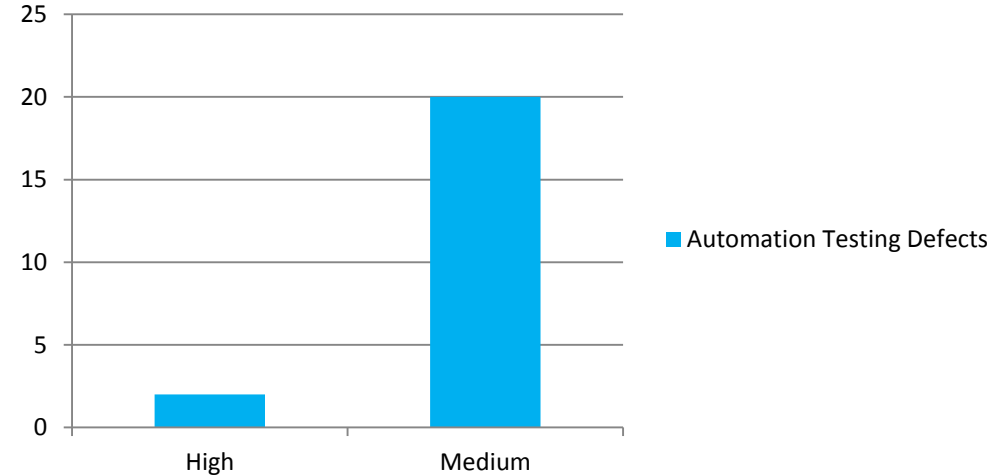
Our Solutions

- Application feature and architecture analysis
- Set up secured VPN for access
- Developed Business Level Scenarios
- Test Process due diligence
- Custom tool understanding – Test Automation
- Feasibility study for Performance Testing
- Developed 126 scripts and optimized 148 existing scripts
- Automated 70% of the Test Cases
- Conducted functional regression, Tool feasibility study and performance testing
- Performance Testing helped the client identify critical system bottlenecks prior to production
- Modified the database parameters to achieve optimization

Defects raised in Manual Testing



Defects raised in Automation Testing





Tools

- Client's custom developed tools

Technology

- .NET and true web based technologies
SQL Server
IE (UI Web Browser)



Business Impact

- Consultative approach to Usability Testing; provided a detailed usability checklist pertaining to the software
- Supported 2 major releases – 14 builds and 20 builds for consecutive releases respectively



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