



Client Overview

- The company is a digital solution provider in the real estate domain.
- The solution offered is a marketplace for Real Estate agents to conduct brokerage services and users to search and transact with various catalogue / property listings through web and mobile channels.



Application Overview

- The application allows role based experiential functionality for :
 - Users to look for a home conveniently through the app
 - Schedule appointments with realtors
 - Realtors to find leads on the application and make successful deal closures



Business Requirements

- Integrated QA Solutions for Web and Mobile application functionality
- Support agile product releases
- 100% Functional Test Coverage and Accelerate test cycles with Automation
- Improve stability of the application across devices and OS Versions



Test Approach

- Exhaustive tests: Functional & Regression, Integration, Compatibility, Exploratory, Automation, API Testing
- Story Point Estimations
- Use of Test Automation Framework – iSAFE to accelerate test cycles by enabling parallel and unattended execution
- Enhance the automation suite with additional scenarios / cases and detailed steps and measure testing efficiency for each feature
- Capture detailed metrics to measure test efficiency and coverage in each sprint and across boards
- Test Management: JIRA | Test Deliverables : Sprint wise Test Plan, Test Cases, Status Reports



Our Solutions : Web Application

- Conducted exploratory tests to identify defects early; reported 460+ defects of which 45% of defects are high priority.
- User Role specific checklist for authorization and authentication validation
- An average of 50% Automation Scope across modules
- Average execution time for 300 Regression Test Cases is 2 Hours
- Extended support for execution of Automation scripts on multiple browser instances



Our Solutions: Mobile Application

- Conducted exploratory tests to identify defects early; reported 460+ defects of which 45% of defects are high priority.
- Conducted end to end functional tests – executed 180+ test cases (positive and negative scenarios)
- Created a Compatibility Matrix with respect to various OS and web browsers versions for test execution
- Derived scope for 20% Automation
- Use of Browser Stack instead of real devices leading to cost advantages
- Dynamic and Real time interactive Test Reports (deep dive metrics by sprint, feature, module...)



Test results – Web Application

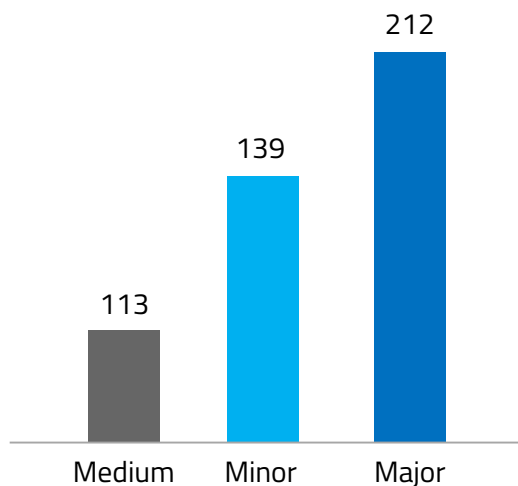
- Functional
 - ✓ 88 Sprints
 - ✓ 6566 Test Cases
 - ✓ 5285 Defects Reported
 - ✓ 38 Change Requests
- Automation
 - ✓ 51 Sprints
 - ✓ 733 Test Scripts
 - ✓ 285 Defects Reported



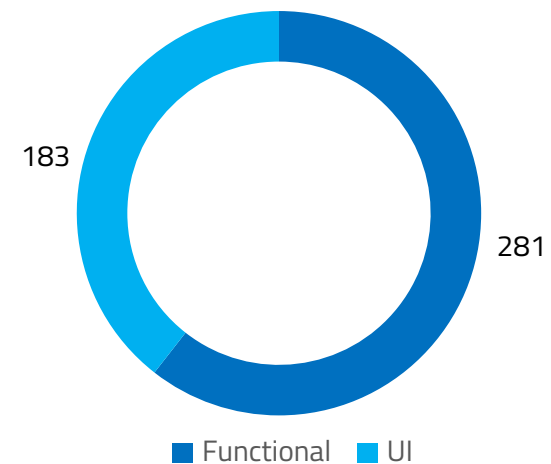
Test Results – Mobile Application

- Functional
 - ✓ 11 Sprints
 - ✓ 195 Test Cases
 - ✓ 464 Defects Reported
- Automation
 - ✓ 4 Sprints
 - ✓ 67 Test Scripts
 - ✓ 23 Defects Reported

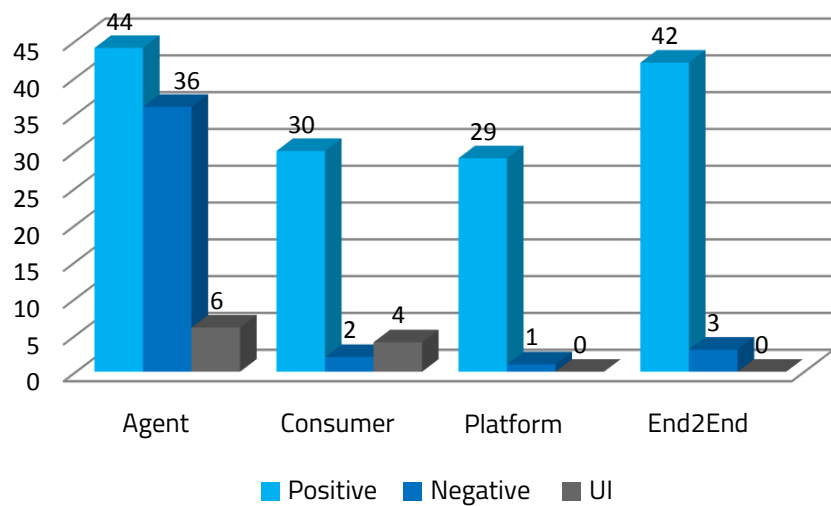
By Priority



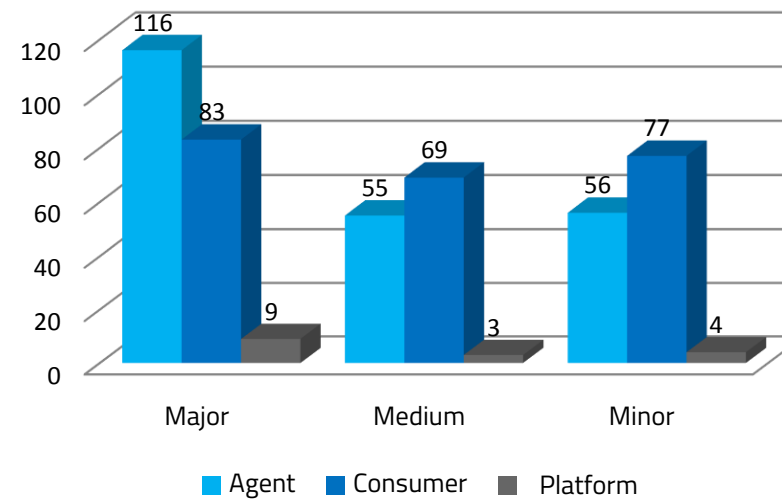
By Type



Module Vs TestCases



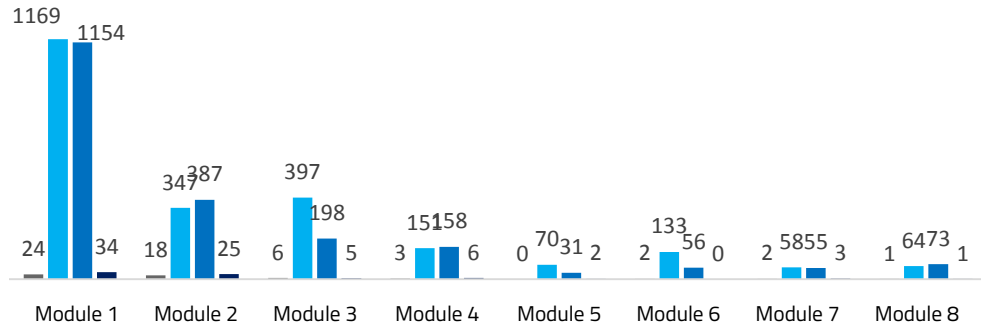
Module Vs Defects



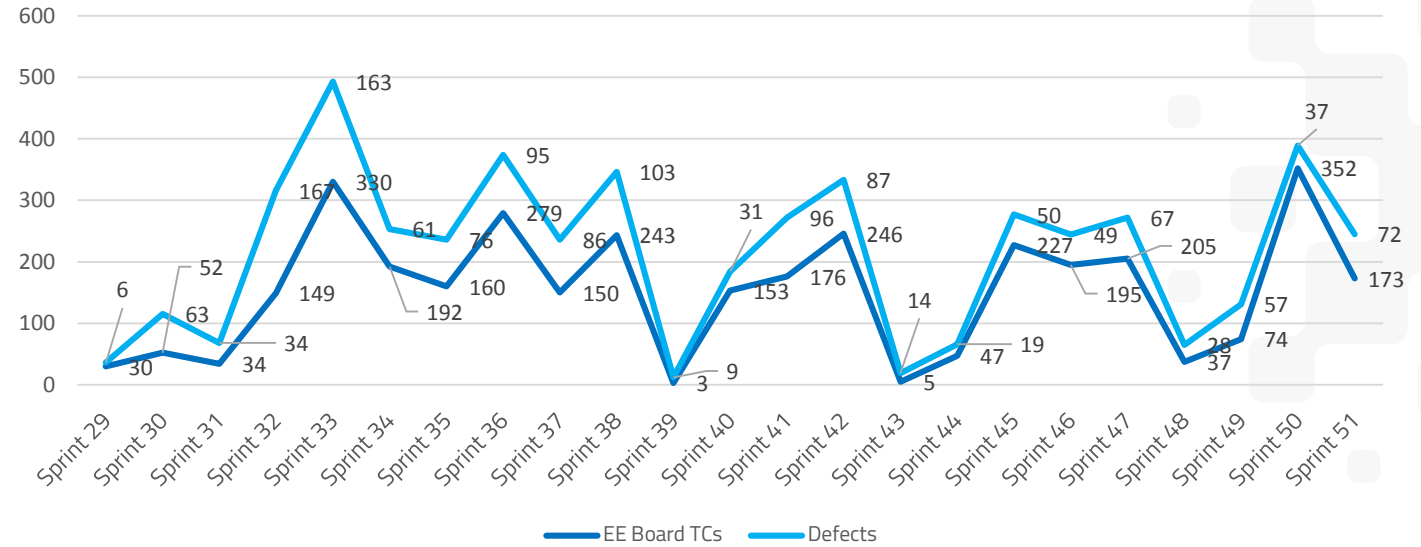
Defect Severity Index

Chart Title

■ Blocker ■ Major ■ Minor ■ Trivial



EE Board TCs vs Defects



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