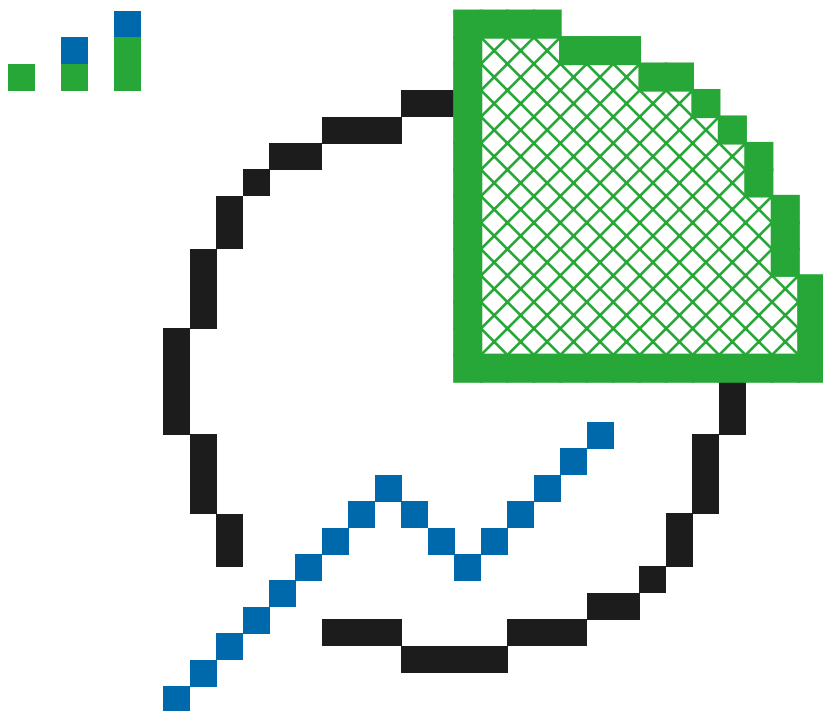




How to measure and **report** quality metrics



Content

1. Introduction: Why testing metrics and reports are important for QA managers
2. How to use reporting to reach organizational goals
 - Traceability
 - Overall Requirements Coverage
 - Historical Requirement Coverage
 - Test Plans
 - Test Executions and Test Runs
3. How to use dashboards and agile boards to make informed decisions
4. Communicate valuable information with stakeholders
5. Conclusion: Using software testing metrics to guide your decisions

Introduction

Why testing metrics and reports are important for QA managers

QA Managers need metrics to measure the effectiveness of their testing strategy and methods. The right metrics guide your decisions and help you make pivots and change direction appropriately when you see that something is not working.

Just as important as having insights that gauge your state of development and testing progress, this information needs to be easily accessible and freely shared between testers, managers and other stakeholders to ensure that progress is properly analyzed and appropriate action is being taken.

The right test management tool needs to have proper oversight and the ability to analyze the QA process from a bird's eye view as well as being able to drill-down and dissect minute details. For QA managers, it's also important to have visibility into your team's progress, where there are potential bottlenecks, and how to improve productivity.

Of course, these testing insights and metrics also have to be passed on and shared with other stakeholders. Everyone from QA managers to testers and C-level executives need different insights into the QA and

testing process, and the right metrics and reports will meet each of these individual needs.

In this eBook, we guide you through the most important testing metrics and how you can use Xray reports, gadgets, and features to measure and exceed your quality goals.

"Measurement...is just one means to an end. That end is: the marshaling of good evidence to inform our assessments of quality that can be used to make business decisions. (e.g. when to ship the product; how good is the product team; are problems with the product or the team persisting, accumulating, or getting resolved?)"

James Bach | Software tester, author, and consultant



How to use reporting to reach organizational goals



02

How to use reporting to reach organizational goals

"How about instead of saying we are measuring quality, we say we can measure clues about quality? We can collect indicators and make sense of them. We can use measurable data of many kinds for that purpose."

James Bach | Software tester, author, and consultant

Quality can be an elusive concept that is hard to measure, but it's important to define it within your organization if you want to accurately measure your testing progress and success.

Breaking down quality helps you extrapolate the right metrics to measure your progress. If you're not tracking your progress, how will you know what's working in your testing and QA strategy and what isn't?

Since testing is a means to reach quality, you want to first define quality, and then set your testing metrics to measure your progress. The right metrics measure your current status of quality and testing, and guide you with valuable insights as to where and how to improve.

Once you've identified your definition of quality and what success means to your team and your organization, you can begin to find ways to measure it.

[Xray - Test Management App](#) provides crucial reports to address QA managers greatest needs. Each of the reports addresses a specific need or goal, but can also be used in many different ways to extract insights about the quality process.

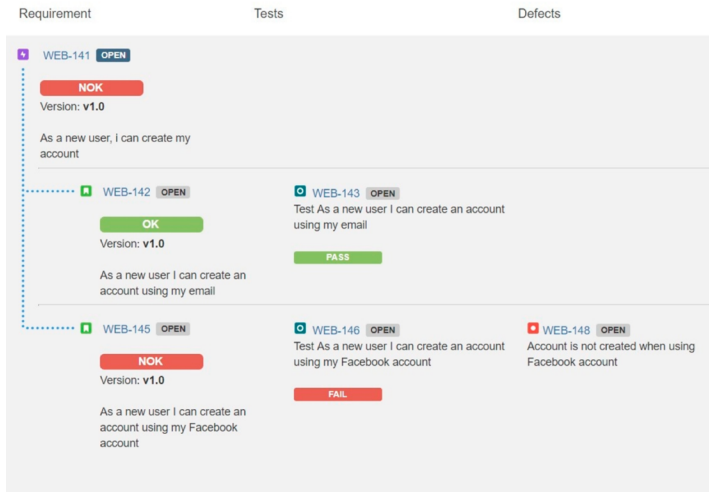
Let's take a look.

Traceability Report

Goal

Your organization is heavily regulated. You need to ensure that every requirement is tested before a release.

Solution



Use Case

Medical manufacturers commonly need to provide proof of requirements traceability in order to meet certain FDA or ISO requirements.