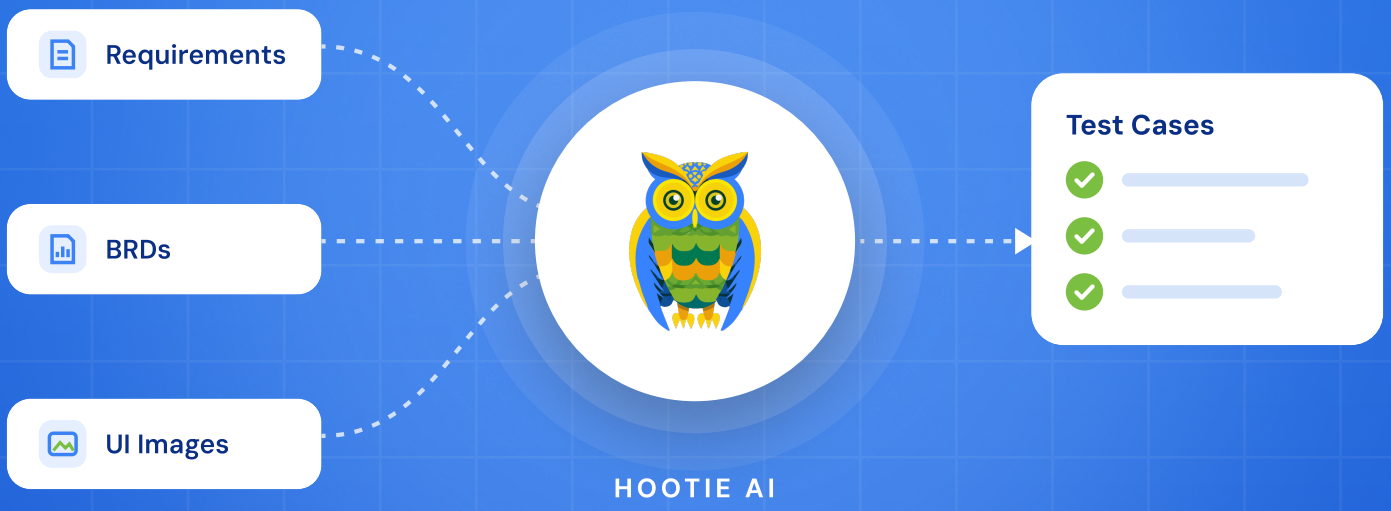
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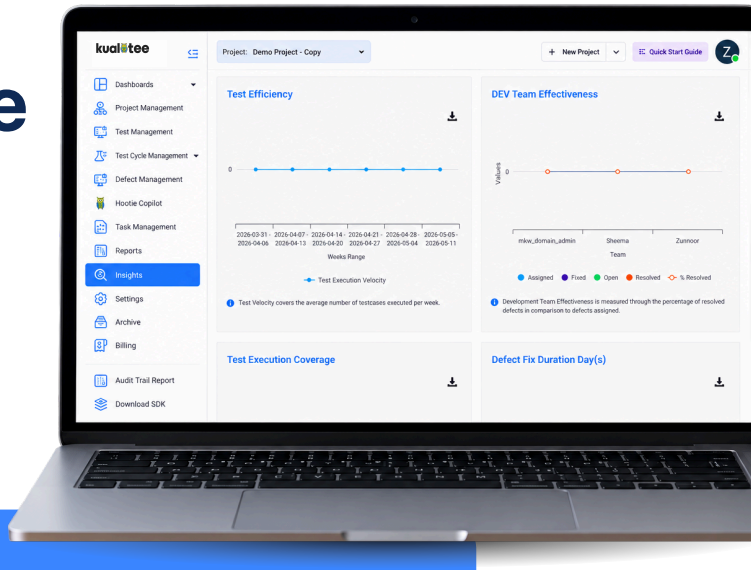
CASE STUDY

A Healthcare Software Provider Automates Test Creation with Kualitee's Hootie AI

Hootie now generates test cases directly from requirements, BRDs, and UI images, freeing a stretched QA team from manual authoring.

INDUSTRY	AI ASSISTANT	REPLACED
Healthcare Software	Hootie AI	Manual authoring

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Client Snapshot

The client operates in the healthcare industry, running a software QA function responsible for validating a large and steadily growing set of requirements. Like many healthcare software providers, the volume of documentation the QA team had to translate into test coverage, ranging from individual requirements to full business requirement documents, had grown to a point where manual test case authoring was becoming difficult to sustain.

Background

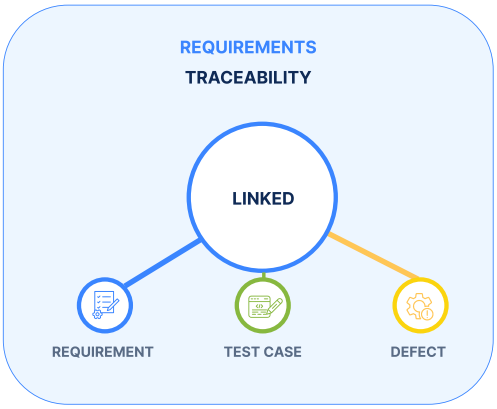
The client's QA team was stretched thin, facing a large volume of requirements and BRDs that needed to be converted into test cases faster than their team could manually keep up with. Writing test cases by hand for every requirement, and separately for every BRD that came through, was consuming time the team needed for actual testing, review, and release readiness. The client was looking for a way to remove that manual bottleneck without compromising on test coverage or quality.

Manual test case authoring was becoming difficult to sustain.

Requirements → Coverage

The Challenge

The client's needs centered on reducing manual effort across the test creation process, while also expanding what their QA team could do with AI:



Manual test case creation from requirements

With a stretched QA team and alarge volume of requirements coming in, the client needed a way to generate testcases directly from written requirements with minimal manual effort, ratherthan authoring every case by hand.

Test case generation from UI images

Beyond text-based requirements, theclient also wanted the ability to generate test cases directly from UI screenshotsand images, giving them a faster path to coverage for interface-drivenfunctionality.

A broader suite of AI capabilities

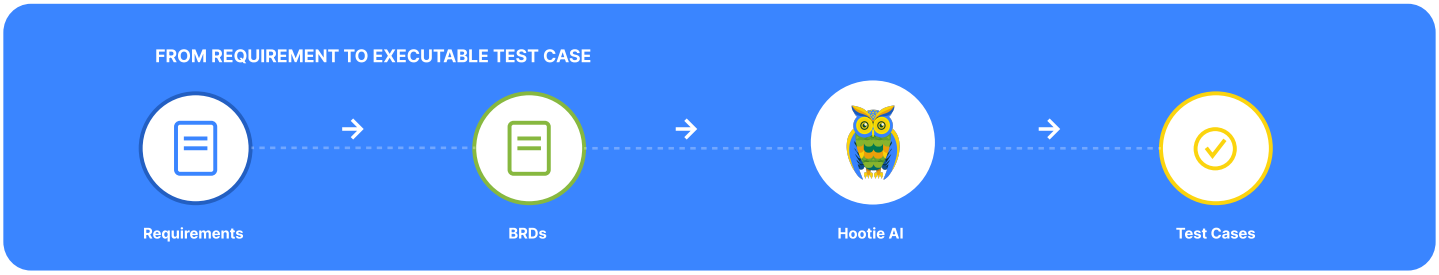
The client wasn't looking for a single AIfeature in isolation. They wanted a full set of AI-driven capabilities workingtogether, including AI test case generation, AI-driven test execution, AI-based testcase coverage analysis, requirement impact analysis, and automaticallygenerated automation scripts.

Requirement generation directly from BRDs

With a large volume of businessrequirement documents to process, the client needed a way to generate requirements and the test cases tied to them directly from BRDs rather than manually extracting and entering each requirement one by one.

Why They Moved To Kualitee

Given the scale of the client's requirement and BRD volume relative to their QA team's capacity, they needed a platform built specifically to remove manual effort from test creation at every stage, from initial requirement to executable test case. Kualitee's Hootie AI was built for exactly this kind of workload, offering AI-driven capabilities across the full requirement-to-test-case pipeline rather than a single point solution.



The Solution

Hootie AI addressed each part of the client's workload directly:

1. **AI test case generation from requirements**

   Hootie generates structured test cases directly from written requirements, letting the client's QA team turn requirements into coverage without writing each case manually.

2. **Test case generation from UI images.**

   The client can upload a screenshot or UI image and have Hootie generate structured test cases from it directly, extending AI-driven generation beyond text-based requirements.

3. **A full AI feature set.**

   Beyond generation, the client now has access to Hootie's complete range of AI capabilities, including automated test execution, AI-based test case coverage review that flags what's tested and what's missing, requirement impact analysis that shows which test cases are affected when a requirement changes, and automatically generated automation scripts for their manual test cases.

4. **Requirement and test case generation from BRD**

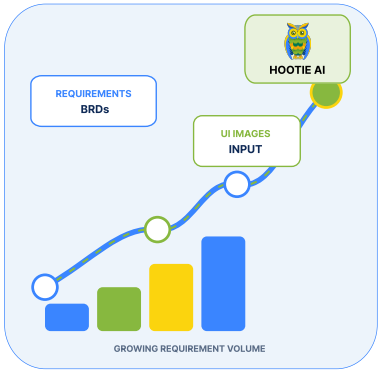
   Hootie can process a business requirement document directly, extract the individual requirements it contains, and generate test cases against them, removing the need for the client's team to manually break down each BRD line by line.

5. **Coverage visualization**

   Alongside the AI capabilities, the client's Kualitee dashboard was set up with custom charts and graphs, giving the team a clear visual read on their test coverage.

The Outcome

With Hootie AI in place, the client's QA team no longer has to manually author test cases against every incoming requirement or BRD:



- Test cases generated directly from requirements and from UI images, cutting out manual authoring at the point of creation
- A full AI toolkit covering generation, execution, coverage analysis, requirement impact analysis, and automation scripts, working together rather than as isolated tools
- BRDs converted directly into requirements and test cases, removing manual extraction from the process
- Custom dashboard visualizations giving the team clear visibility into their test coverage

Looking Ahead

With Hootie AI handling the bulk of test case creation across requirements, BRDs, and UI images, the client's QA team has been able to redirect the time previously spent on manual authoring toward higher-value testing work, even as their requirement volume continues to grow.

