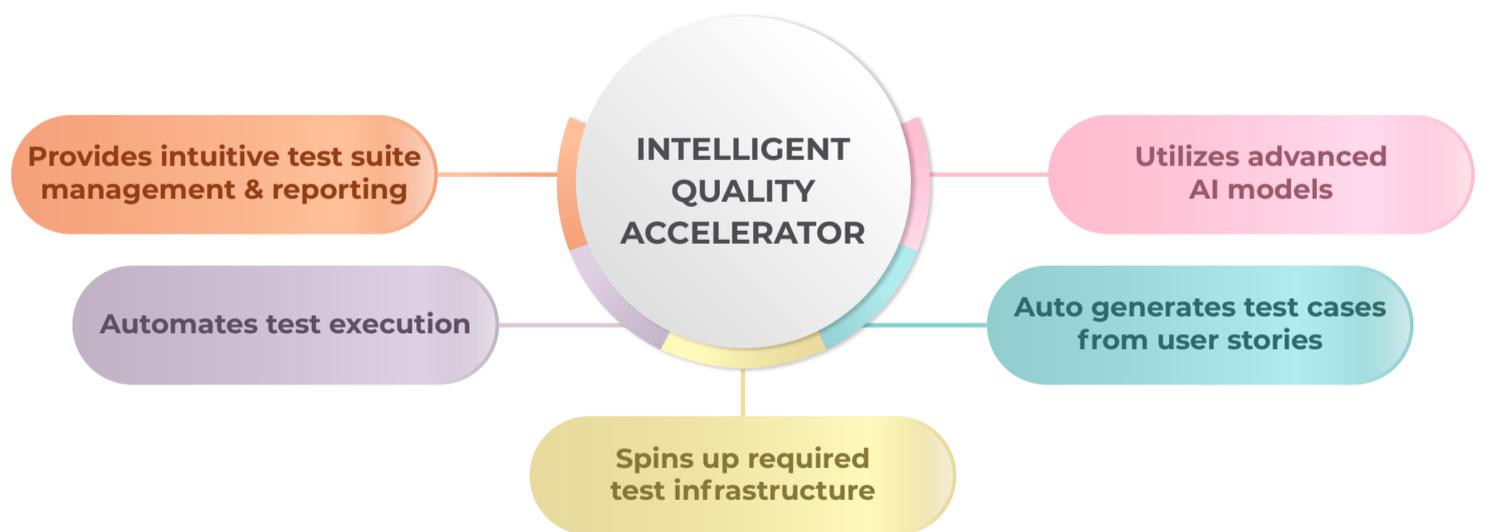# Ignitho™

IQA

Intelligent Quality Accelerator

The AI powered IQA solution automatically generates test cases from user stories, creates test scripts, and automatically spins up test infrastructure infra and test execution environments.

It is also a full test suite management system improving your software quality and reducing QA effort by atleast 65%.

Provides intuitive test suite management & reporting

Automates test execution

INTELLIGENT QUALITY ACCELERATOR

Utilizes advanced AI models

Auto generates test cases from user stories

Spins up required test infrastructure

Technology Used

Jira Software   cucumber   se Selenium

Importance of IQA

Quality Automation is important because it ensures the consistency and reliability of the testing being performed. It is also important to reduce cost of projects and time to market for business innovation.

However, even though solutions exist for automating the execution of test cases, there is a still significant effort spent on creating the test cases from user stories, spinning up the test infrastructure, and test environments.

IQA addresses these problems using AI and machine learning.

Key Benefits

Utilizes advanced AI models

IQA uses a trained language model to interpret user stories and automatically create test cases that can be reviewed or piped straight into test suites. Gherkin is a domain-specific language for writing behavior scenarios (as part of BDD framework) and allows software behaviors to be specified in a logical language that people can understand. This means that user stories can be in business-facing text that is non-technical and human readable for stakeholders like business analysts and managers.

User stories can either be written in IQA, or IQA can pull them from your preferred system such as Jira.

Sets up test environments

If you are already using a test execution and QA automation tool, the test cases from IQA can be provided as input. Or you can leverage the full power of IQA's machine learning based execution and let it set up the test environments for you.

Spins up required test infrastructure

IQA automatically sets up the right infrastructure needed to support the execution. It learns as you use it so the outcomes improve continuously.

Automates test execution

If you are not already using a test suite management software, IQA has a complete test management suite baked in. You can set up test suites, and schedule tests for execution. You can set up a variety of test suites at different levels. These could be for quality assurance, systems integration testing, regression testing, or simple business validations that you need run automatically and on demand.

Provides intuitive test suite management & reporting

IQA has a comprehensive and visual dashboard that shows you critical metrics such as functional coverage, test suite execution statistics, and so on.

Benefits

01 USER FRIENDLY

Since IQA can generate test cases straight from user stories, it improves the gaps between intent and test coverage.

02 REDUCED EFFORT

The primary benefit of IQA is to reduce the manual effort and ensure higher consistency and productivity. As compared to code level automation tools that are in use, IQA tool will be more effective to create the test cases and execution.

03 COMPOSABILITY

IQA does not lock you in. You can use any downstream Quality Automation tool of your choice if you need to. User stories can also be written in excel spreadsheets, Jira, or fed directly into IQA.

04 DOMAIN SPECIFIC

IQA has context specific test case generation. It understands and converts natural language with this context. For example, if it is being used by a media publications business, then the test cases will be media specific making them more effective.

Sign up to view a **demo of IQA**
We'll include live test case generation from your user stories!

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