



The Top 5 Codeless Test Automation Tools to Enable Seamless QA



The biggest challenge for businesses digitizing their workflows is to deliver new releases frequently in a CI/CD pipeline with adequate test coverage. However, choosing to do so through automation can invite a host of complex situations, such as writing text cases and then maintaining them later. So, to outmaneuver conventional test automation solutions and truly usher in Agile and DevOps-driven development and delivery pipelines, businesses can embrace scriptless test automation. By leveraging codeless automation testing tools across the SDLC, businesses can address the challenges of automation and redefine their development journey.

Teams should choose the right scriptless test automation tools to meet the testing requirements of short iterative Agile cycles. In the below-mentioned segment, we discuss the top 5 codeless automation testing tools that businesses can consider using to get started in their digital transformation journey.

The Top 5 Codeless Test Automation Tools to Speed Up Quality Testing

A [codeless test automation tool](#) can allow QA teams to run repetitive and time-consuming tests without the knowledge of programming languages. Its feature-rich and easy-to-use user interface allows QA teams to apply the test suite for specific tasks on multiple browsers and operating systems. The top five codeless test automation tools to speed up quality testing and deliver a superior customer experience are discussed below:

1.SmartBear TestComplete: It is a functional codeless automation testing tool that can mitigate any quality concerns and speed up the testing cycles. It can manage all test automation requirements in several languages. TestComplete recognizes controls and objects in applications, helps simulate user actions, and allows verification of the state of an application.

Salient features

- Offers access to 1500+ environments and helps to find device compatibility
- Helps in query resolution with free technical support
- Gives comprehensive test coverage – parallel tests, regression tests, and others
- Offers record and replay feature

2.Katalon Studio: It is one of the popular no-code testing tools, offering a wide range of test capabilities across browsers, operating systems, APIs, and applications. Moreover, it comes with a user-friendly interface for testers and business users. The features comprising drag and drop commands and record and playback functionalities do not merit building a framework from the ground up.

Salient features

- Built-in templates, object repositories, and test-case libraries
- Can be deployed across browsers and operating systems (Linux, macOS, and Windows)
- Generates automatic tests on UI changes
- Supports plugins for CI tools
- Offers superior reporting capabilities
- Built-in integrations – issue management, test management, and notifications and communication

3 Goinsta.ai: This AI-powered self-healing test automation tool can identify, optimize, resolve, remediate, validate, and execute the testing of builds using third-party plugins, built-in frameworks, and libraries. It helps to reduce the feedback cycle, allows easy traceability of code changes, and reduces maintenance overheads.

Salient features

- AI-based test methodology to help teams execute holistic test planning options
- Offers options to conduct parallel or distributed tests on the cloud or locally across browsers
- AI-powered engine to identify reliable, stable, and multiple locators for each object
- AI-powered visual validator to validate the GUI while executing automation scripts
- Allows the identification and reporting of automatic adaptation to application changes
- Intelligent script maintenance engine recommending script changes irrespective of the frequency of AUT changes
- Optimizes the test suite and picks the right tests for maximum coverage

4.AcceIQ: As an AI-powered low-code test automation tool, AcceIQ can quickly automate various applications and speed up the testing cycle. It checks all the boxes, including the ability to self-heal and code in natural English. Offering an easy-to-use UI, it can be integrated with DevOps toolchains to give a total view of the quality engineering lifecycle.

Salient features

- Offers automated test generation, natural language programming, extendible and open source alignment, and intelligent element explorer
- Creates application blueprint to design better visual tests
- Offers predictive analysis for building test scenarios
- Model UI and data flows to enable maximum test coverage
- Secure and highly scalable for enterprise usage

5 Cloud QA: As one of the powerful cloud-based ai test automation tools, it offers an integrated testing experience instead of being a record and playback tool. Its built-in reporting tools can create (schedule, execute, and maintain) regression testing suites quickly.

Salient features

- Allows seamless integration with tools for bug tracking, version control, CI/CD, ALM, and others
- Supports a wide range of frameworks and web applications
- Offers the ability to run hundreds of parallel tests
- Needs low infrastructure and is recommended for consumption-based pricing
- An end-to-end test platform to create, edit, execute, maintain, and reuse test components

Conclusion

The above-mentioned [self-healing test automation tools](#) have become the go-to solutions for businesses to speed up their DevOps lifecycle. Comprising top-notch features, these tools have made it simple to create and execute tests thanks to their easy-to-understand UI. In a competitive business landscape where the pressure to develop quality applications in a short time is immense, these tools can work wonders.