

EGGPLANT AI USES ARTIFICIAL INTELLIGENCE

Eggplant AI at a Glance

eggplant

Test Automation Software



Key Benefits

- Increase productivity by automating test-case creation to cover all user journeys.
- Improve the UX by finding more defects using artificial intelligence, machine learning, and analytics.
- Predict where quality issues are most likely to pop up, and correlate data to quickly identify and resolve them.
- Integrate Eggplant AI into your CI/CD pipeline and automatically send results to test management systems.
- Prioritize the most important real user journeys to test.
- Reduce scripting efforts by over 90 percent.

Test teams are struggling

Digital experience, consumerization, DevOps and the internet of things have changed how software products are architected, how they're produced, what they do, who their users are, and user expectations. As a result, test teams are struggling to achieve the level of test coverage required to provide an exceptional user experience.

At the same time, continuous delivery and agile are shrinking development cycles from two years to two weeks, and fragmentation means that teams have to test on 40+ environments rather than just one. Many test teams simply can't keep up.

Teams are struggling because of fundamental flaws in their current approaches to testing that were created 10-15 years ago. If you look at the entire testing process, we've really only automated one, critical aspect - test execution. Teams everywhere still perform a significant amount of time-consuming, manual work to define test cases and test runs, create and maintain test scripts, and then manually analyze test results. By expanding the use of automation beyond test execution, teams can keep up with the pace of DevOps and achieve the level of test coverage needed to meet evolving user expectations.

Digital automation intelligence and Eggplant AI

At Eggplant, we're revolutionizing testing through an approach called Digital Automation Intelligence. It uses artificial intelligence, machine learning, and analytics to help teams continuously create amazing digital experiences, and predict business and user impacts across different interfaces, platforms, and devices.

Simply put, the Digital Automation Intelligence approach empowers your teams to:

- Test from the user perspective.
- Continuously test all aspects of the digital experience.
- Expand automation beyond test execution.
- Use data to guide all parts of the test process and create feedback loops.
- Report quality in terms of the user using predictive analytics.

Eggplant AI

The brain of our Digital Automation Intelligence Suite, Eggplant AI enables teams to expand automation beyond test execution. How? By automating the creation of test cases from a model of the application. And by using learning algorithms to select the best paths to take to optimize tests for coverage and find defects.

Additionally, Eggplant AI provides key capabilities to help your teams focus testing on what really matters to your users and your business.

Expand solution integration with your CI/CD pipeline. Eggplant AI integrates seamlessly with other tools in your DevOps process. Run it directly from CI applications, such as Jenkins, and automatically send results to test management systems such as HPE ALM.

Prioritize real user journeys to delight customers. Identify which user journeys are most important with Eggplant Real User Monitoring, and transfer them to Eggplant AI where the software's algorithms will prioritize them automatically.

Know exactly how much of your system you've tested. Switching to Eggplant AI enables your test teams to generate thousands and even millions of new test cases. With the solution's enhanced coverage models, you can compare coverage levels based on sequences of actions and combinations of parameter values.

Use Unicode characters without the need to translate. Label models, actions, states, comments, etc., in more languages, including Arabic, Chinese, and Japanese.

“Eggplant AI is the future of testing and is the only way software and app vendors are going to keep up with the demands of users and the pace of DevOps”
— Antony Edwards, Eggplant COO

Drive success with true test automation

Artificial intelligence and analytics will be the catalysts to deliver true, user-centric test automation. Eggplant AI brings teams a step closer to that reality by recommending tests to carry out, learning continuously, intelligently predicting business impacts, and enabling development teams to fix issues before they occur.

With Eggplant AI, teams can improve the user experience and increase productivity by:

- Auto-generating all the test scripts to increase coverage.
- Analyzing failure patterns across test runs to refine tests and actually find defects.
- Automating exploratory testing to test the full range of potential user journeys - not just common happy paths.
- Defining explicit test paths simply and quickly through the GUI.
- Annotating the model with user-configurable properties and values to fuel the analytics within the software.
- Streamlining test maintenance via centralized, one-time updates.

The results

Faster time to market, happier customers, better conversion and retention rates, and more revenue and profitability.

Learn more at: www.keysight.com/find/eggplant

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