

# Sauce Visual Component Testing

Sauce Visual Component Testing provides organizations the ability to quickly automate the testing of their user interface (UI) components across multiple browsers and screen resolutions. This improves developer productivity by automatically detecting visual regressions early in the development lifecycle.

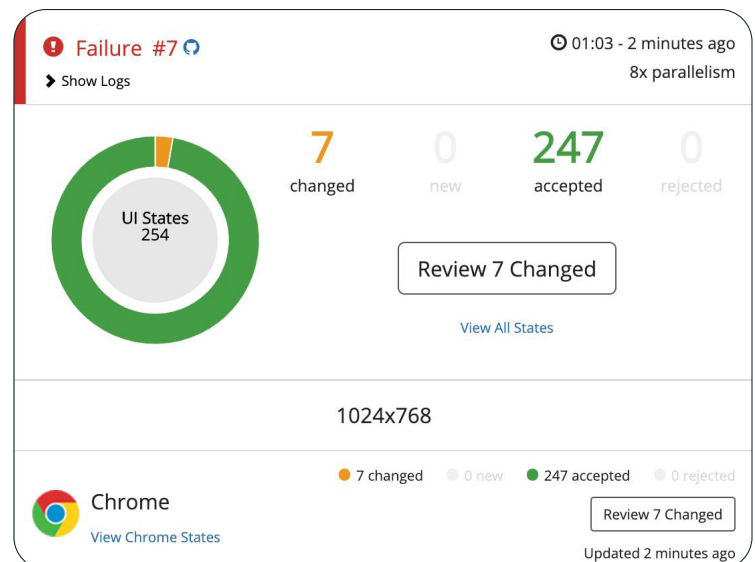
## FRONT-END DEVELOPMENT TESTING SHIFTS LEFT

Typically, testing UI appearance happens at the end of the development cycle. This is usually performed manually with a user behind a screen, which can be extremely time-consuming and prone to human error. Front-end developers simply don't have the bandwidth to continuously check every UI state.

Sauce Visual is changing the way that developers test their UIs. It is helping them shift testing left by automatically testing UI components in isolation early in the development cycle.

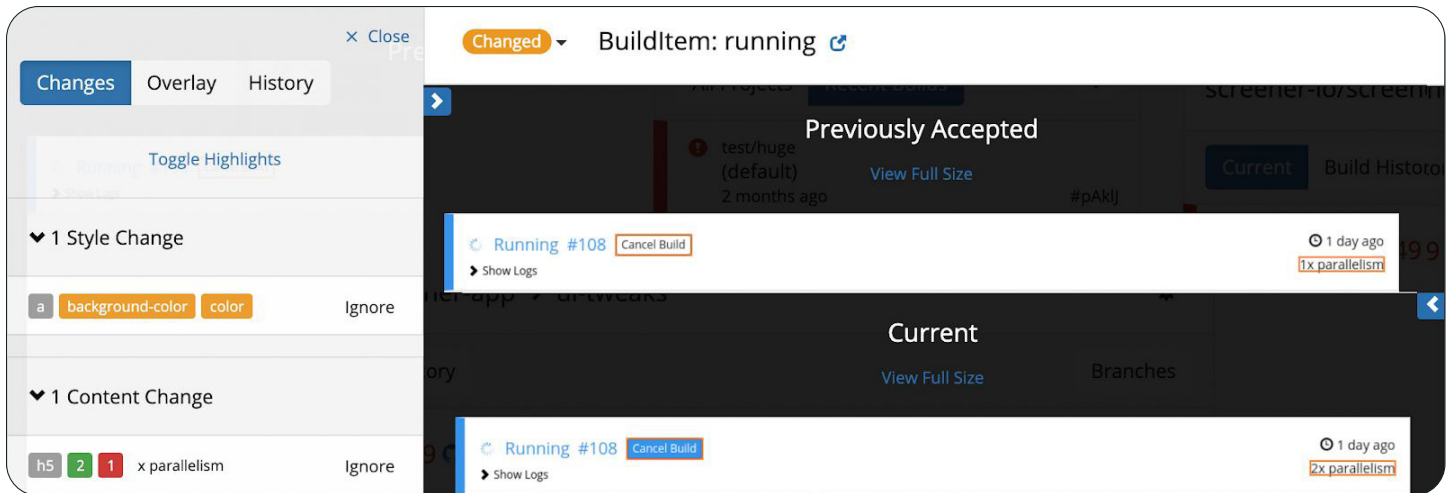
By harnessing the power of automation, Sauce Visual will:

- Automatically test components without needing to write any automated test scripts (through the Storybook integration)
- Run tests in parallel for fast execution across multiple browsers and screen resolutions
- Easily integrate into CI and GitHub PRs for continuous visual testing
- Automatically detect and highlight visual regressions



Dashboard displaying a failed test with visual regressions detected.

With Sauce Visual, developers can test in areas that traditional functional testing cannot cover. This allows them to easily spot UI inconsistencies, get details on root causes, and fix them quickly—eliminating UI bugs—from the start.



Expanded menu highlighting content and style changes.

## VISUAL TESTING BENEFITS

### Increase Developer Productivity

Reduce the time to write and maintain UI tests while increasing visual and functional coverage.

### Develop Apps Faster

Catch visual regressions earlier and faster, enabling the team to release often and with confidence.

### Improve Customer Experience

Consistently deliver a flawless UI experience by implementing visual testing alongside functional and performance testing.

## ADVANTAGES OF COMPONENT TESTING

Component testing enables developers, teams, and organizations to increase productivity and release apps faster. By testing early in the development cycle, agile teams are able to pinpoint and resolve visual issues before releasing them into production. As a result, companies avoid unnecessary expenses and ensure the delivery of a seamless user experience.

Additional benefits to component testing:



**Quickly Set Up Test Cases** – Test every UI component automatically without writing tests using our Storybook integration, accelerating development.



**Fast Feedback Loop** – As component tests are small and isolated, visual tests can run faster and be parallelized, quickly displaying test results.



**Test UI States in Isolation** – Control the data passed into UI components and interact with them in isolation, improving consistency and reliability.

## DEPLOY WITH CONFIDENCE

Get fast feedback every time new code is checked in. In a matter of minutes, developers will know the exact impact of code changes to the application's UI. Start testing the visual aspect of your application UI today and ensure a flawless experience for all of your users.