AUTOMATION

Test automation is the practice of automatically reviewing and validating a software product, such as a web application, to make sure it meets predefined quality standards for code style, functionality and user experience. Automation reduces time, effort and cost, whilst reducing manual errors, giving your business more time to focus on your primary objectives. Repetitive tasks can be completed faster. Automating processes ensures high quality results as each task is performed identically, without human error. Automation is present in modern businesses of all sizes – including subtle features in common software applications, and more obvious implementations like self-driving vehicles or autonomous robots.

SELENIUM

Selenium is an open-source tool that automates web browsers. This tool is used for automating web-based application testing to verify that it performs expectedly. Selenium WebDriver allows you to choose a programming language to create test scripts.

SAUCE DEMO

SauceDemo is a sample website built by SauceLabs that allows users to practice browser automation. It enables developers to run their automated tests across desktops, emulators, simulators and real devices, using Selenium.