

ABSTRACT

Nowdays there is an increased demand for both web and mobile apps. Software systems are getting more and more important for organizations and individuals alike and at the same time they are growing bigger and more complex. It is thus only logical that importance of software quality is also rising. If quality does not get better as systems grow in size, complexity and importance, then software system may face more issues in future. The need for better quality means more pressure for software testing. It is very difficult to test these complex web applications. Automation testing is a need of fast and efficient software development life cycle (SDLC) for high productivity and good quality of product. The demand of all type of web applications is increasing day by day, and every organization is adopting agile SDLC model. Automation testing is a software testing technique that performs using special automated testing software tools to execute a test case suite. Automation testing uses automation tools to reduce human intervention and repeatable tasks. Automation increases the speed of test execution, helps increase Test Coverage. The objective of this project is to design and develop a web automation framework help to run lots of test cases consistently again and again on different versions of the system under test. This automation testing framework also helps to improve test accuracy, and drastically reduces the test maintenance costs and lowers risks involved.

The project "Integrate Cucumber With Selenium Webdriver For Website Automation" focuses on Automation Testing of Mpowered Health Web Application as a regression suite. Also automating the add partners(EAM). Mpowered Health application empowers consumers to take charge of their healthcare by providing solutions that improve transparency, choice, access and convenience. The automation testing framework has been implemented using selenium Web driver with cucumber. As we run the regression suite it will execute all the functionalities generated and TestNG is used to give a detailed Serenity report to show the pass and failure cases and Screenshots are taken automatically for the failure cases