

Research and exploitation of Selenium WebDriver testing tool, applied in Web application testing

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Abstract: This topic aims to focus on researching and using the Selenium WebDriver testing tool to enhance the efficiency of the testing process for Web applications. The context of the topic arises from the increasing practical need for test automation in modern software development. The main objective is to build and deploy an automated testing system based on Selenium WebDriver to reduce testing costs and time while improving the quality of Web applications. The research method combines theory with experimentation, from analyzing the tool's characteristics to designing and executing test scenarios. The expected result is to provide a flexible solution for software developers to automate the Web application testing process.

Keywords: Selenium WebDriver, web application testing, test automation, testing tool, testing system