

Research and application of Selenium WebDriver tool in automated testing of Web applications

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Abstract: This topic focuses on researching and applying the Selenium WebDriver tool to develop an automated testing process for Web applications. The context of the topic is based on the necessity of automated testing in practice, aiming to improve the efficiency and quality of software products. The main objective is to build an automated testing system based on Selenium WebDriver to address the problem of automating the Web testing process. The research method combines theory and experimentation to ensure the comprehensiveness of the topic. The expected results of the topic not only contribute to enhancing automated testing capabilities but also provide the technical community with an effective implementation solution.

Keywords: Selenium WebDriver, Automated Testing, Web Automation, QA Tools, Requirements Analysis