

Testing web applications with Selenium

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Abstract: This topic focuses on exploring and applying the Selenium testing tool in the web application development process. The context for selecting this topic stems from the rapid development of web technology, which requires an effective automated testing system to ensure software quality. The objective of the research is to build and deploy test scenarios using Selenium to evaluate the accuracy and performance of web applications. The method applied combines theory on automated testing with direct experimentation in a development environment. The expected results of the topic not only confirm the feasibility of the Selenium tool in the field of web application testing but also contribute to improving the software quality management process.

Keywords: Automated testing, Selenium, Testing tools, Web application evaluation