

Automated testing of Web applications using Selenium

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Abstract: In the increasingly prevalent context of Web applications and the necessity for performance and reliability, this topic focuses on applying the Selenium automated testing tool to enhance system quality. The objective of the research is to build an automated testing process for Web applications, aiming to reduce the time and effort of manual testing. The approach combines theory on automated testing with practical implementation in a real environment. The expected results of the topic not only contribute to the development of automated testing techniques but also support Web developers in improving their workflows, thereby enhancing product quality.

Keywords: Automated testing, Selenium, Web application, Testing process, Testing tool