

Building an automated testing module for Web applications using Selenium software

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Abstract: In the context of the rapid development of information technology and Web applications, ensuring product quality through automated testing has become more important than ever. This topic focuses on the necessity of building an automated testing module for Web applications using Selenium software. The objective of the topic is to develop and deploy an automated testing system to optimize the performance and quality of Web applications. The research method combines theoretical knowledge of automated testing with experimentation through programming and deployment on real-world projects. The expected results of the topic not only contribute to the development of automated testing techniques but also support Web application developers in improving the quality of their products.

Keywords: Automated testing, Selenium, Web application, software development, information technology