

Research and application of automated testing tools in software testing.

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Abstract: This topic focuses on researching and evaluating the effectiveness of modern automated testing tools in the software testing process. The reason for choosing this topic stems from the fact that ensuring the quality of software products is becoming increasingly important and challenging for software development organizations. The objective of the research is to identify the advantages and limitations of automated testing tools in order to build an effective automation system for the testing process. The method combines theoretical research on automated testing technology with practical implementation in real-world software projects. Through this, the topic aims to provide useful solutions to enhance the productivity and accuracy of the software testing process.

Keywords: Automated Testing, Software, Testing Tools, Applied Research