

Research on automated software testing and its applications

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Abstract: This topic aims to research and analyze automated testing methods for software systems. The context for selecting this topic is based on practical needs in the software development process, particularly ensuring product quality quickly and efficiently. The objective of the topic is to build an automated testing system and evaluate the applicability of these methods in practice. The research method combines theory with experimentation to determine the performance of the developed system. It is expected that the research results will contribute significantly to the advancement of the software technology industry and support the development of high-quality products.

Keywords: Automated Testing, Software, Applied Research