

Research and implementation of automated testing using Selenium and AI-assisted test case design for the English center training management website system.

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Abstract: This topic focuses on researching and implementing an automated testing method using Selenium and artificial intelligence (AI) to automate the test case design process for a training management website system. The context for selecting this topic is determined by the necessity of improving testing performance in the field of online education. The objective of the research is to build and deploy a system that supports test automation, providing the ability to optimize the test case design process. A theoretical method combined with empirical experimentation is expected to be applied to evaluate the effectiveness of the proposed approach. The expected outcomes of this topic include enhancing the reliability and performance of the training management system, contributing to sustainable development in the field of digital education.

Keywords: automated testing, Selenium, AI, training management website, test case design