

Automated testing of spa booking website using Selenium with AI-assisted test case design

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Abstract: In practice, automated testing for web applications such as a Spa booking system requires significant human effort. This study proposes a solution by applying Selenium technology to automate the testing process and using artificial intelligence (AI) to assist in designing test cases. The objective of the research is to build an efficient testing system while minimizing user effort. A combined theoretical and experimental approach helps verify the feasibility of the solution. The expected results will significantly contribute to improving product quality and promoting the application of AI in the field of testing technology.

Keywords: Test automation, Selenium, Artificial Intelligence (AI), Test case design, Spa booking system