

Learn about Appium tool and its application in automated testing on mobile applications.

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Abstract: In the current era of rapid digitalization, ensuring the quality of mobile applications has become extremely important. This topic aims to explore the Appium tool and its application in the automated testing process for mobile applications. The context of the topic arises from the practical need to optimize testing processes to reduce product development time and costs. Through a combination of theoretical research and experimentation, the article will introduce the structure and main functions of Appium, while presenting the steps to implement automated testing using this tool. The expected outcome of the topic is to provide a practical guide for mobile application developers in optimizing the testing process, thereby improving product quality and increasing market competitiveness.

Keywords: Appium, Automated Testing, Mobile Application, Testing Tool, Experimental Implementation