

Software testing on mobile devices and Appium Studio software application for Android applications

Vu Thi Mai

Abstract: In the context of increasing demand for mobile application usage, effective testing is a decisive factor in product quality. This project aims to build a software testing process for Android applications based on the Appium Studio platform. Through theoretical and experimental research, the project will identify optimal tools and methods to automate the testing process. The expected outcomes of this study not only enhance software development efficiency but also contribute to the sustainable development of the mobile technology industry.

Keywords: Software testing, Appium Studio, Android, Test automation, Analysis and design