ABSTRACT

In web application testing, changes or additions to features often require repetitive testing. Therefore, automated testing has emerged as a solution to this issue. However, the comparison of accuracy between automated and manual testing is still underexplored in the literature. This research aims to address this gap by comparing the accuracy of manual and automated testing using Cypress on the Qirby Admin web application. Additionally, this research aims to identify limitations in the use of Cypress, such as in testing the Maps feature. This research is important because there is limited literature discussing the accuracy comparison between manual and automated testing, particularly with the use of Cypress. This research uses Cypress to conduct functional testing on the Qirby Admin web application and compares the results with manual testing. The findings show that the accuracy between manual and automated testing reaches 100%. However, there is a minor difference in the 'add property' and 'edit property' feature, where in manual testing, the address is selected through the Maps feature, while in automated testing, the address is manually entered into the Address text box. This discrepancy is due to Cypress's inability to support location selection via Maps. Although automated testing achieves accuracy equivalent to the manual method, there are limitations, especially in testing the Maps feature.

Keywords: Qirby Admin web application, manual testing, automated testing, Cypress, accuracy, maps