Abstract

Cross platform Mobile application development is currently enjoying some good riddance in the Mobile App Development Community. Nonetheless, developers are somehow confronted with a tool selection dilemma since development for multiple platforms are still at the inceptive stage. In this paper we propose a framework for choosing the appropriate Cross Platform Development Tool for a given project. The framework defines the set of criteria to be considered for evaluation and makes pair-wise comparison to compute the priority for the criteria as well as priority of the alternative tools compared. The implementation of the framework on the Tools: PhoneGap, Titanium and Xamarin recommend PhoneGap as the preferred tool for Cross Platform Development. The result from the implementation also considers the capability criteria as the most important in Mobile Cross Platform Development.

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Index Terms

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Tool Selection Framework, Mobile App development, Cross Platform Tools