Abstract

MAD (Mobile Application Development) is becoming more demanding because of their varied platform and software development tools. To reduce the cost and in order to reach the application to maximum users across various platforms, the developers are emigrating towards the cross platform application development tools. In this paper, we provide distinct benchmark beyond the portability for choosing appropriate cross platform tools for application development. Cross platform mobile app development is mobile based apps development. So, mobile application development for this type of application can be made platform independent. An analysis has been made in this topic while thinking about IDE is being offered which will help a software developer to develop an application in a single code. Deploy that single code to multiple operating systems, i.e. if the developer can write code in java for android, same code can be deploy to ios system. A review has been made in this paper for comparison and contrast about two frameworks PhoneGap and Titanium for cross platform application development.

References
2. Niyigen Jean Pierre and Mukiza Octavien, “Review of PhoneGap APIs Accessing the
Native Mobile Platform APIs”, Lecture Notes on Software Engineering, Vol. 4, No. 1, February
2016.
3. Isabelle Dalmasso, Soumya Kanti Datta, Christian Bonnet and Navid Nikaein, “Survey,
Comparison and Evaluation of Cross Platform Mobile Application Development Tools”.
development IDE”, IOSR Journal of computer Engineering (IOSR-JCE).e-ISSN: 2278-0661,
p-ISSN: 2278-8727, Volume 17, Issue 1.
Technology”, International Journal of Emerging Technology and Advanced Engineering, ISSN
2250-2459, volume 2, Issue 10, October 2012
6. CHARKAOUI Salma, BEN LAHMAR EL habib, ABDELBAKI Issam and MARZAK
Abdelaziz,”Towards a Multi-Platform Development Based on MDA approach”, International
Journal of Computer networks and communications security, ISSN 2410-0595,VOL. NO 3,
March 2015.
7. Spyros Xanthopoulos and Stelios Xinogalos, “A comparative Analysis of cross-platform
development approaches for Mobile applications”.
learning application development”, International Journal of Advanced Computer Science and
Applications, Vol.6, No.1, 2015
Mobile Development”.
10. Native mobile apps: The Wrong choice for business?
11. http://docs.phonegap.com/en/edge/cordova_plugins_pluginapis.md.html#Plugin%20API
s[01-02-2016]
14. http://www.cygnet-infotech.com/blog/phonegap-or-titanium-or-xamarin-which-cross-plat
orm-should-you-choose [30-3-2016]
15. http://forumone.com/blog/what-titanium-appcelerator-really-and-how-it-works/
[01-04-2016]
16. https://www.smashingmagazine.com/2014/03/4-ways-build-mobile-application-part4-app
celator-titanium/ [05-04-2016]
17. http://www.appcelerator.com/blog/2012/05/comparing-titanium-and-phonegap/
[07-04-2016]
18. Niyigena Jean Pierre, Fan Xiumei, Gakwaya Daniel and Gombaniro Jean Claude,
“Cross-Platform Mobile Geolocation Applications Based on PhoneGap”, Lecture Notes on
[06-03-2016]

Index Terms

Computer Science Information Sciences
Keywords

Cross platform tools, mobile application development, native apps, hybrid apps, PhoneGap, Appcelerator, and Titanium