Mobile Application Development for Multiple Platforms Simultaneously by Alan Smith

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The sale of the mobile phones especially the smart phones is increasing by leaps and bounds. The expectations of the users from the mobile phone and smart phone devices that they are using are also increasing. On the other hand the competition among the device manufactures is very tight and has compelled them to offer as many inbuilt applications as possible.

The business identities are trying to target as many mobile users as possible. The only biggest pitfall is that there is a big difference in the operating systems and platforms of the different brands of devices. Besides this difference the variation in the resolution of the display screen also plays a crucial role in the success of any application.

There are two ways to resolve this issue of difference.

â€¢First way:-

The first way is to develop application for different operating system, platform and resolutions. This implies that there has to be a different application for every brand of the phone device. This sort of resolution multiplies the effort of the application developer and makes the application owner incur multiple expenses for promoting the same services or products among the mobile phone users.

â€¢Second Way:-

The second way is to opt for developing mobile application that works on multiple platforms simultaneously. This approach is also known as cross platform mobile application development. According to this approach the application is developed only once but the technology used is such that the application works on the different platforms without any significant changes. This approach reduces not only the work of the application developer but also the expenses by the application owner.

Some of the prominent tools that are easily available on the internet and of much use for developing cross platform mobile applications are as follows.

â€¢Mobile Application Development with the help of Phone Gap:-

The Phone Gap allows the application developer to develop mobile application that can work on android, iPhone, Blackberry, Palm and Symbian without any compatibility issues. When Phone Gap is used for mobile application development the JavaScript and HTML languages are used.

â€¢Mobile Application Development with the help of Rhodes:-

This tool and framework is based on Ruby and is open sourced. It is of great assistance for the developing applications that can work on different platforms and operating systems. The issue of compatibility with the different platforms can be resolved through this framework. Only the initial code needs to be written by the application developer. This initial code is automatically converted by the Rhodes framework into another code that is compatible and works on other operating systems and platforms.

â€¢Mobile Application Development with the help of Titanium:-

Titanium helps the application developer to develop such application that can work on tablets, desktops and even mobile phones. Some of the coding languages used in this framework are JavaScript, HTML, PHP and Python.

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