

## MoMo Washington - April 29<sup>th</sup> **HTML5 vs. Native Apps**

## Some Mobile Software Development Approaches...



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		Relative Development Cost	Relative Tool Cost	iOS	Android	WP8	<b>BB10</b>	Tizen
accurate)	"Indigenous" APIs  "Best Performance", "Best Control over UI/UX", "Expensive to develop and port "Easier to use native APIs".		\$0	Objective C, C++	Java, C++ (NDK)	C++ JavaScript C# VB.net	C++ HTML5 Java and more	C++ HTML5
necessarily		\$\$\$	\$0	Cocos2D (C	Obj.C, Java)			
nece	Middleware SDKs and Tool	s <sub>\$\$\$</sub>	\$0	Cocos2DX	(C++)			
not	"Increases portability", "Requires specialized skillsets", "Dependent on thir	rd- \$\$\$	\$\$	Marmalade	(C++)			
(but	party tools", "Tools can be expensive"	\$\$\$	\$\$	Unity (C#,	lavaScript)			
ons (		\$\$\$	\$\$	Corona Lua	<b>a)</b>			
Conceptions								
	HTML5 Solutions  "Increases portability", "Familiar to many programmers", "Slow", "Not suitable for advanced UI/UX or games"	\$	\$0	Browser Co	ontent			
ошшо		\$\$	\$0	WebView Content from within Native Apps				
Com			\$0	PhoneGap				

	\$\$\$	\$0	Cocos2D (Obj.C, Java)	
Middleware SDKs and Tools	\$\$\$	\$0	Cocos2DX (C++)	
Increases portability", "Requires pecialized skillsets", "Dependent on third-	\$\$\$	\$\$	Marmalade (C++)	
arty tools", "Tools can be expensive"	\$\$\$	\$\$	Unity (C#, JavaScript)	
	\$\$\$	\$\$	Corona Lua)	

	\$	\$0	Browser Content		
HTML5 Solutions "Increases portability", "Familiar to many	\$\$	\$0	WebView Content from within Native Apps		
programmers", "Slow", "Not suitable for advanced UI/UX or games"	\$\$	\$0	PhoneGap		
· ·	\$\$	\$0	Sencha Touch		



**Minimum Explicit Device Support** 

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Android Devices			
Device Series	OS Version	Resolution	Notes
Samsung Galaxy S IV	4	720x1280	Get ready for the next Galaxy
Samsung Galaxy S III	4	720x1280	The immensely popular S3 series. AT&T sells model SGH-i747.
Samsung Galaxy S II	4	480x800	Follow-up to the popular Galaxy S and upgradable to Android 4.0 . The AT&T model is SGH-i777.
Samsung Galaxy S	2.3	480x800	Still a common device, this phone nicely represents this form factor. AT&T sells the SGH-i897.
Samsung Galaxy Note	4	800x1280	Unique tablet/phone "Phablet" device with an advanced stylus. The AT&T model is SGH-i717.
Samsung Galaxy Note II	4.1	1280x768	The follow-up to Samsung's popular Note phablet. The AT&T model is SGH-i317.
LG Optimus G	4	1280x768	A recent phone with high resolution and high pixel density. The AT&T model is E970.
HTC EVO 4G	2.3	480x800	An older, still popular device representative of this form factor. Sprint sells the PC36100.
HTC One X+	4.1	720x1280	The latest in the popular HTC One lineup. The AT&T model is PM63100.
Motorola Droid Razr M	4	540x960	A popular phone with a small form factor and high resolution. The Verizon model is XT907.
Samsung Galaxy Tab 10.1	4	1280x800	A popular tablet representative of many 10" tablets The AT&T model is SCH-i905.
Amazon Kindle Fire	2.3*	600x1024	This best-selling tablet runs a custom version of Android 2.3 and accesses to the Amazon store.
Windows Phone Devices			
HTC Surround	7.5	480x800	Representative of classic Windows Phone devices.
Samsung i917	7.5	480x800	Representative of mid-range Windows Phone handsets.
Nokia Lumia 900	7.5	480x800	Best selling device representative of high end Windows Phone devices.
Nokia Lumia 820	8	480x800	Nokia's smaller sized Windows Phone 8 device.
Nokia Lumia 920	8	768x1280	Nokia's flagship Windows Phone 8 device with a very large screen size.
HTC 8X	8	720x1280	HTC's Windows Phone 8 device with a distinct screen size.
OS Devices			
iPhone 4s	6	640x960	This popular device shares resolutions with its predecessor, the iPhone 4.
iPhone 5	6	640x1136	This device features a new widescreen resolution and improved performance.
iPad 2	6	1024x768	This device shares resolutions with the original iPad, but is upgradeable to the latest version of iOS.
iPad 4	6	2048×1536	This device has a larger resolution than its predecessors as well as improved performance.
iPad Mini	6	1024x768	Featuring the same screen resolution with smaller form factor.
lackBerry Devices			
Blackberry Z10	BlackBerry® 10	1280 x 768	The new BlackBerry Z10. Built to keep you moving.

<sup>\*</sup> Denotes a customized OS version.

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