

PhoneGap

jfokus 2011 - Valentines Edition!

Our attempt at an agenda... but lets be agile. ;)

1:30 - 2:00 ... PhoneGap: a quick intro
2:00 - 3:00 ... Platform Quickstarts
3:00 - 3:15 ... Building Apps
3:15 - 3:45 ... coffee break
3:45 - ? : ?? ... QA

PLEASE DO NOT DOWNLOAD ANY SDKS!

I have them on a thumb drive for you. <3

intro

- me
- nitobi
- phonegap

@brianleroux

- web / free software geek
- SPACELORD! I!! @nitobi
- <http://westcoastlogic.com>
- <http://mobile.minutewith.com>

@nitobi

- tiny consultancy in Vancouver, Canada
- user experience focus
- free software creators maintainers
- training, support and dev services/strategy

@phonegap

- cross platform mobile dev w/ web tech
- html, css & js
- device apis

PhoneGap Project

- Philosophy
- Platforms
- Device APIs
- Getting Help

problem

iOS	.....	Objective C
Android	.....	Java "Harmony" Dalvik
BlackBerry	.....	Java J2ME JVM
Symbian	.....	*
MeeGo	.....	?
Windows Mobile	....	C variants
Windows Phone 7	...	.NET C variants
webOS	.....	HTML, CSS & JS
Bada	.....	C++



solution: internet



HTML, CSS and JS



(I think this guy is Swedish btw.)

our “solution”

- was iOS only
- instantiate a webview (but it can only call JS methods)
- intercept url calls and delegate to Obj C
- known as the "PhoneGap Technique"
- - its a hack; moreso a social observation than a technical achievement

nobody cared



then..

- Android
- BlackBerry
- etc.

Back to Philosophy

- simplest thing that could possibly work
- implementation > spec
- the future is web apps
- standards are a community process and should be informed by implementation
- the purpose of the project is to provide an implementation example for browsers

the history lesson

2008, August iPhone
2008, November Android
2008, November Blackberry (4.2!)
2009, August Windows Mobile
2009, September ... Symbian
2009, November webOS

* work under way for Qt, Windows Phone 7 and Bada

testing

- mobile-spec
- how we do it
- more techniques being prototyped: weinre, selenium, etc

The Future

- api overload negation
- more platforms
- plugin focused
- more automation and tooling

post 1.0

- menu element
- webgl
- notifications
- background services with js

PhoneGap Q's

- governance and licensing
- by the numbers
- rejection fud
- native vs web debate

governance

- meritocrazy (not a meritocracy)
- IBM and Nitobi
- MANY outside itch scratchers
- <http://groups.google.com/group/phonegap-dev>
- plugins plugins plugins

licensing

- inbound apache
- outbound mit/bsd

numbers for your boss

- 300k uniques / month to [http://
phonegap.com](http://phonegap.com)
- 11k downloads a month
- thousands of apps
- 4300 members on the mailing list
- 50+ libs/tools/whatever
- 100s of contributors

Rejection FUD

- Apple does NOT reject PhoneGap
- PhoneGap only uses public apis
- PhoneGap does not recompile: just a wrapper. Its like a condom. Except not gross and feels great.

native vs web

- - its a silly argument
- `<button>` is native when you think about it
- scrolling is not a business requirement
- PhoneGap/BlackBerry apps are better even!
- if you want native: go for it
- if you want portability: go webif you want to help shape the future: implement it

Alternatives?

- Appcelerator
- Rhodes
- There are many others.

Competition?

- Licensing
- Adoption
- Platforms
- Tool chain integration
- Standards

Complementary Tools

- XUI
- Lawnchair
- jQuery / jQuery Mobile / jqTouch
- Sencha
- Zepto
- insert your favorite \$ here

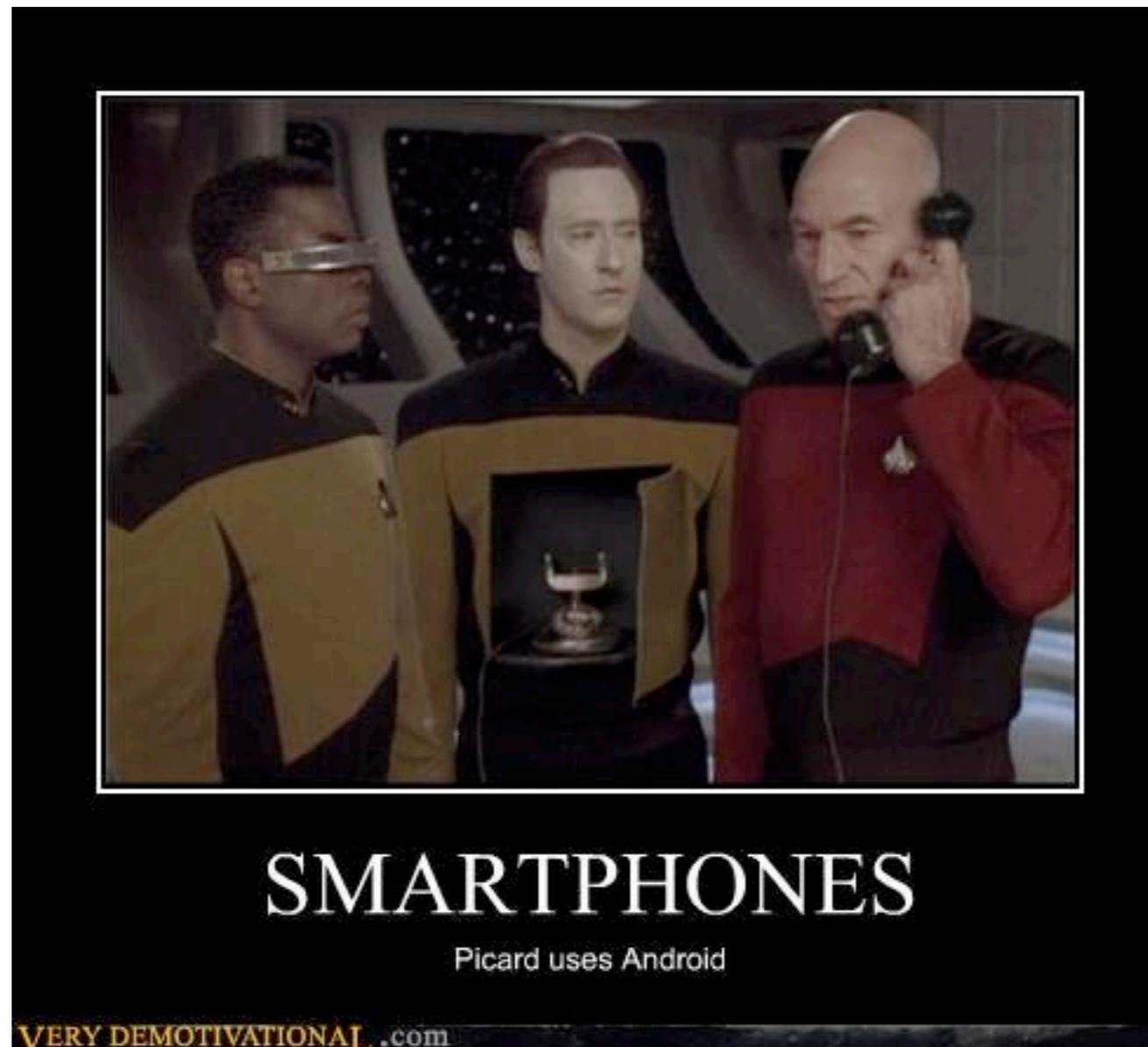
Also

- `weinre`
- `Ripple`
- <http://build.phonegap.com>

challenges

opportunities!

You probably only own one phone



**this is what SDK
installation is like**



**your boss/client/whoever seems to
think they need to replicate their
entire site as an app**

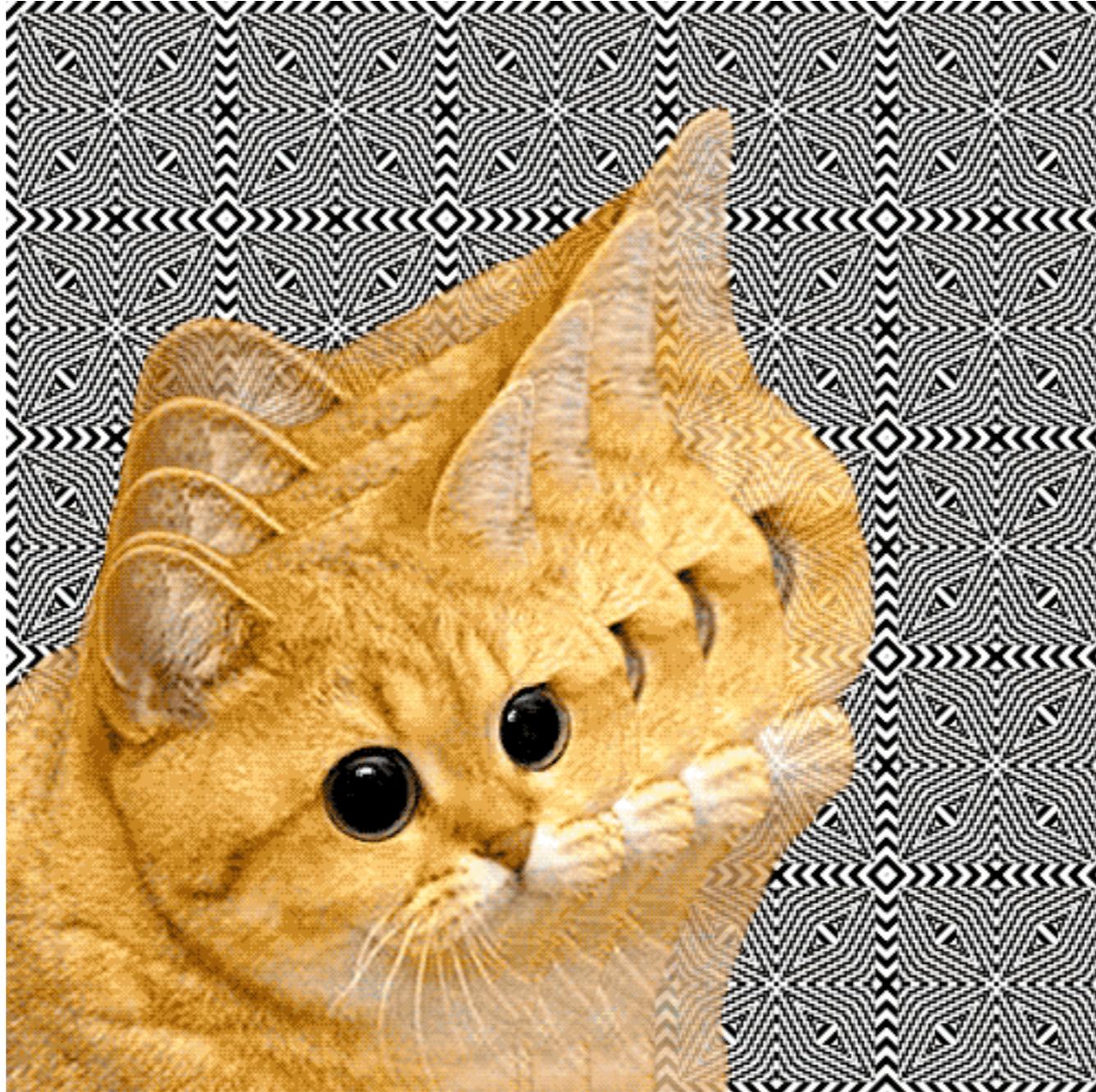
dealing w/ the madness

- start with ONE thing that you can ship in TWO weeks MAX
- You MUST HAVE automated builds from revision control
- aim for a web app, iOS and Android to start

more red flags

- settings screen
- single sentence description contains the word "and"
- no build chain
- no rcs
- no adhoc distribution
- no time!

lets build some apps!



email me:

brian@nitobi.com

for build.phonegap.com access