



# Phone**Gap**

Where 2.0 Edition

# Brian LeRoux



- Nitobi Software, Vancouver
- Mostly JavaScript things

# link dump

- <http://nitobi.com>
- <http://westcoastlogic.com>
- <http://twitter.com/brianleroux>
- <http://brianleroux.github.com>
- <http://wtfjs.com>
- <http://crockfordfacts.com>

# Things I'm working on

- PhoneGap
- XUI
- Lawnchair

# What does this have to do w/ location anyhow?

- phones are the most ubiquitous geo platform
- PhoneGap implemented navigator.geolocation before any browser

# PhoneGap

- Project Philosophy
- History
- The FUTURE

The purpose of PhoneGap  
is for PhoneGap to cease to  
exist.





# The web is as a first class dev platform

- access to native device apis
- access to device data
- great tooling: debugging, logging, testing, emulation and other instrumentation

# OS Support

- iphone
- android
- blackberry
- palm
- symbian
- maemo
- windows mobile

see [http://rubyurl.com/jtNs](http://<u>rubyurl.com/jtNs</u>)

# Device APIs / Data

- geo
- accelerometer
- camera / photos
- vibration
- contacts
- sms / telephony
- sound / video
- reachability
- magnetometer
- +anything a browser can do

# Standards

- <http://www.w3.org/2009/dap/>
- <http://dev.w3.org/html5/spec/Overview.html>
- <http://www.w3.org/TR/widgets/>

Favouring compliance over conformance.

MIT Licensed

# Governance

- Looking to contribute to a foundation
- Symbian has accepted phonegap/symbian

# the “roadmap”

- PhoneGap 1.0
- PhoneGap 1.1
- PhoneGap 2.0
- Also: <http://wiki.phonegap.com/Roadmap>

# PhoneGap 1.0

- ratified the messaging api
- inclusion of xmpp
- native maps
- file i/o
- docs!



# PhoneGap 1.1

- bondi apis
- commonjs require / modules
- samsung bada
- notifications api (working w/ Urban Airship)

# PhoneGap 2.0

- More native access
- Better rendering options
- More platforms
- A pony, perhaps

# Handy Resources

- <http://groups.google.com/group/phonegap>
- <http://wiki.phonegap.com>
- <http://twitter.com/phonegap>

# Tooling / Automation

- phonegap-dev
- ./droidsript
- <http://github.com/johnboxall/ibug>

# Other cool stuff

- <http://github.com/brianleroux/xui>
- <http://brianleroux.github.com/lawnchair>



**The DOM is broken**  
But it is possibly a little better on mobile.

# Desktop JavaScript Frameworks



An embarrassing mess.

# Learn to write JavaScript



<http://crockfordfacts.com>



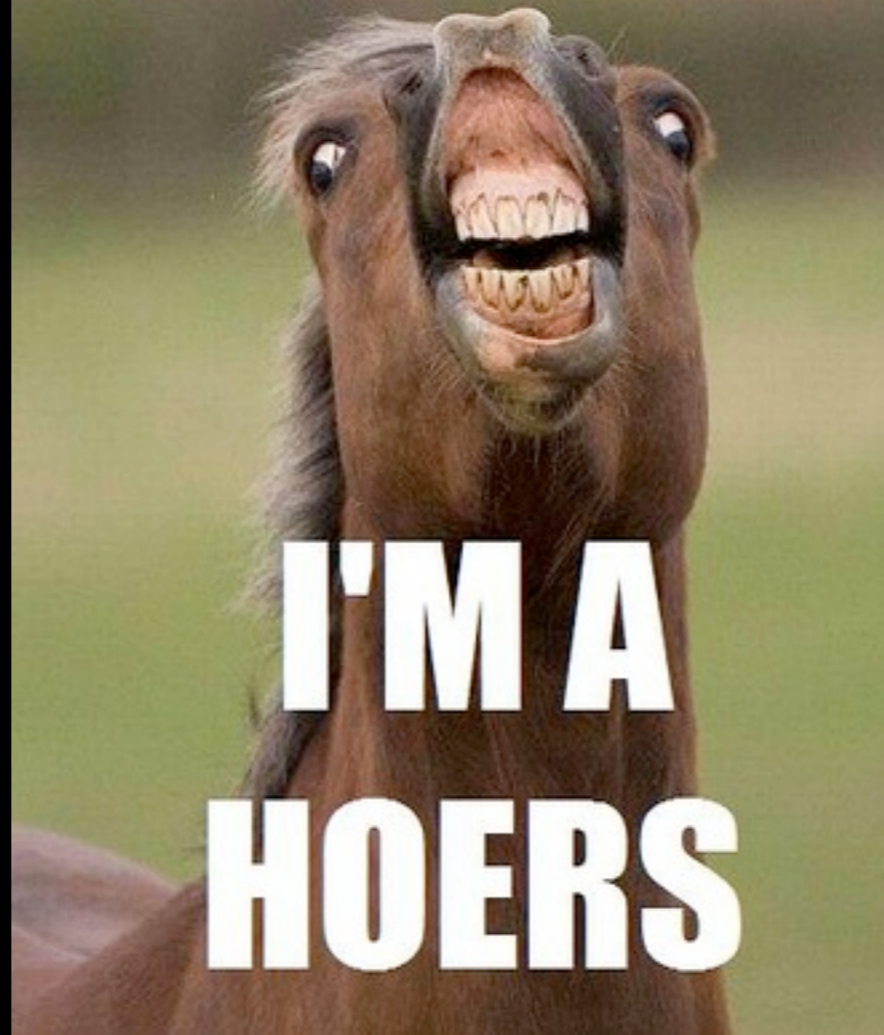
# XUI

- jQuery work-alike
- simple api
- 2-3kb
- Admittedly a shitty name

# Demo Time!

- selectors
- events
- style
- fx
- xhr

**HURRRRRR**



**I'M A  
HOERS**

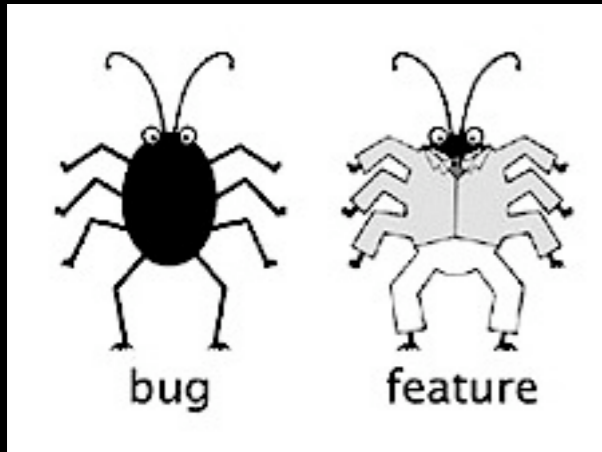
# XUI Future

- 1.0 coming VERY soon
- Build tooling based on RequireJS
- Support for ALL mobile browsers
- Most desktop browsers too

# Going offline

- Web apps: Cache Manifest
- Hybrid apps: Reachability API
- DOM storage
- SQLite

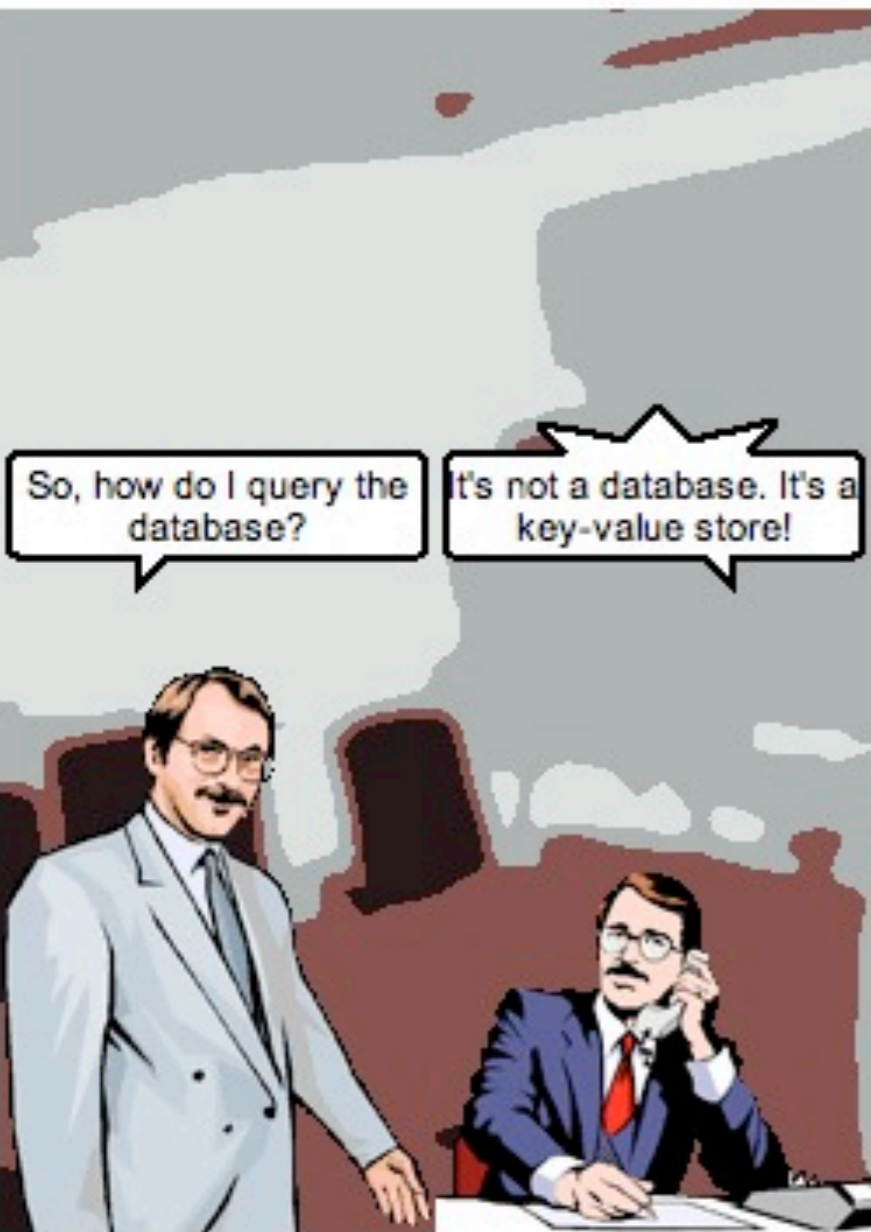
PhoneGap apps are  
intrinsically offline.



# Ghetto, actually

- DOM Storage is key/value only. Slightly nicer than cookies but way lamer name.
- SQLite seems like a bad idea: schemas, migrations, impedance mismatch, oh my.

## Fault-tolerance





# How about a Lawnchair?



# Lawnchair quickly

- JSON document store (not key/value)
- Designed for mobile; very light
- Clean and simple async oo api
- Adaptor pattern for store customization

# Thanks!

