Introduction to PhoneGap

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Your Speaker

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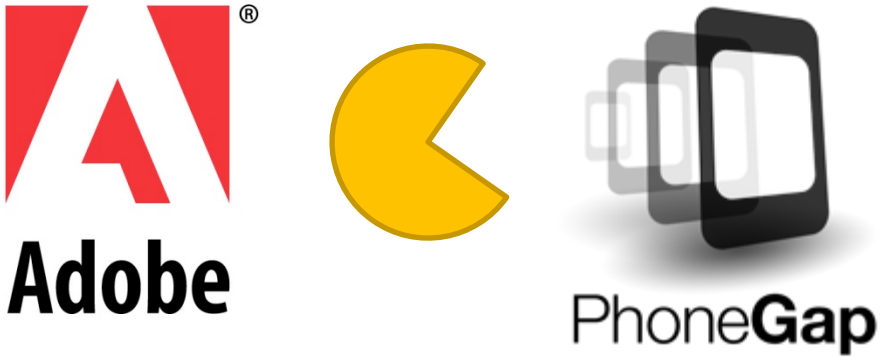
Wait – Adobe bought PhoneGap?



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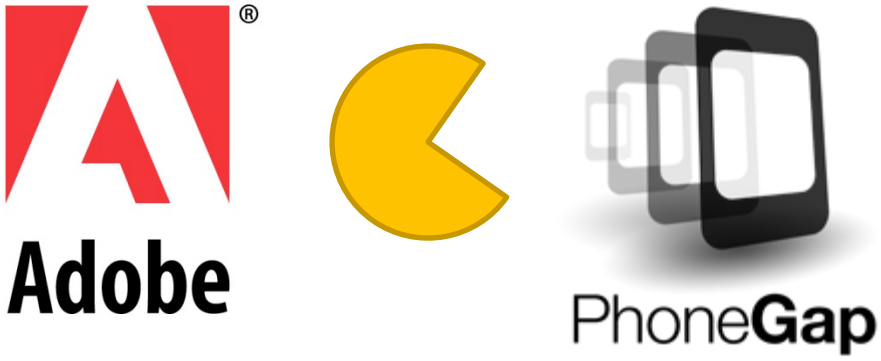


Wait – Adobe bought PhoneGap?

Adobe bought Nitobi

- We buy all companies with rhyming names (just because)
- PhoneGap is an **open source** project
- In process to becoming a project under the Apache Software Foundation
- New name: Cordova

Apache Cordova

- Cordova is the open source project
- PhoneGap is the implementation
- Like Webkit for Chrome/Safari
- http://incubator.apache.org/cordova

What is PhoneGap?

- "**PhoneGap** is an HTML5 app platform that allows you to author native applications with web technologies and get access to APIs and app stores. PhoneGap leverages web technologies developers already know best... HTML and JavaScript."

What is PhoneGap, really?

What is PhoneGap, really?

HTML

CSS

JS

Awesome sauce: http://www.thinkgeek.com/caffeine/dc05/

What is PhoneGap, really?

HTML

JS

CSS

Where does it go….

- See the pretty icons below…
- Specific details about each:
  - http://phonegap.com/about/features
- To be clear: Phones, Tablets, e-Readers, and whatever else Silicon Valley throws our way in 2012.

Oh Yes!
IT'S
FREE

What PhoneGap Isn't

- It isn't a UI framework (like jQuery Mobile)
- It isn't the end of native apps
- It isn't a solution for everything
- Probably not effective as a floor wax

Features

- Accelerometer
  - "The thing you shake"
- Compass
  - "The thing that tells you what direction you are heading"
- Device
  - "Generic info about the device"

Features

- Geolocation
  - "The thing that tells you where you are"
- Storage
  - "The place you put your stuff"
- Camera
  - "Pictures of your cat"

Features

- Connection
  - "Am I offline or just in the wrong part of Lafayette?"
- Events
  - "What is my phone doing now?!?!"
- Media
  - "Work with all those legally purchased MP3s."

Features

- Capture
  - "Make new videos, sounds, and pictures of your cat"
- Contacts
  - "I really do have 200 friends!"
- File
  - "For important file stuff"
- Notification
  - "Buzzzzzzzzzzzzzzzzz"

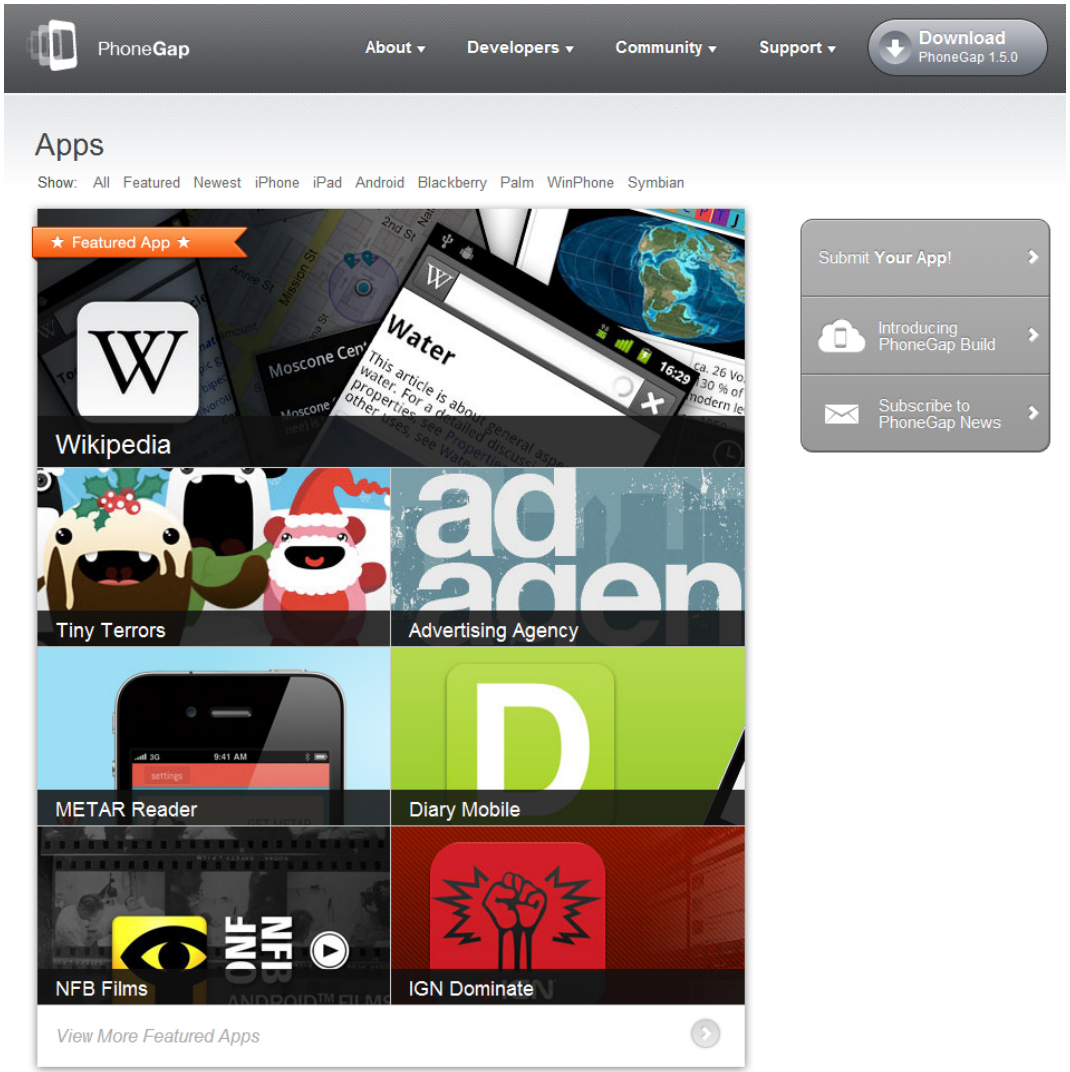
Features

- Remote Ajax w/o guilt
- Orientation
- The App Store (all of them actually)

Who is using PhoneGap?

Thanks to Andrew Trice: http://www.tricedesigns.com/2012/03/27/who-uses-phonegapapache-cordova/

Featured Apps



How can you use it? (Tooling)

- Plain text + command line (recently updated)
- Eclipse
- Xcode
- Other bits for other platforms
- Typically a tiny bit of "make work"

How can you use it? (Code)

- Add cordova-VERSION.js to your HTML
- Provides the hooks to the awesome
- Done

PhoneGap About Developers Community Support Download PhoneGap 1.5.0

Get Started Guide

Pick your platform

iOS | Android | Blackberry | Windows Phone | WebOS | Symbian

PhoneGap Supported Features

Subscribe to PhoneGap News

Video Tutorials:

1. Requirements

- Eclipse 3.4+

There is also a Terminal version of this tutorial that doesn't use Eclipse.

2. Install SDK + PhoneGap

Download and install Eclipse Classic

Download and install Android SDK

The Hard Way

Code Demos!

Plugins

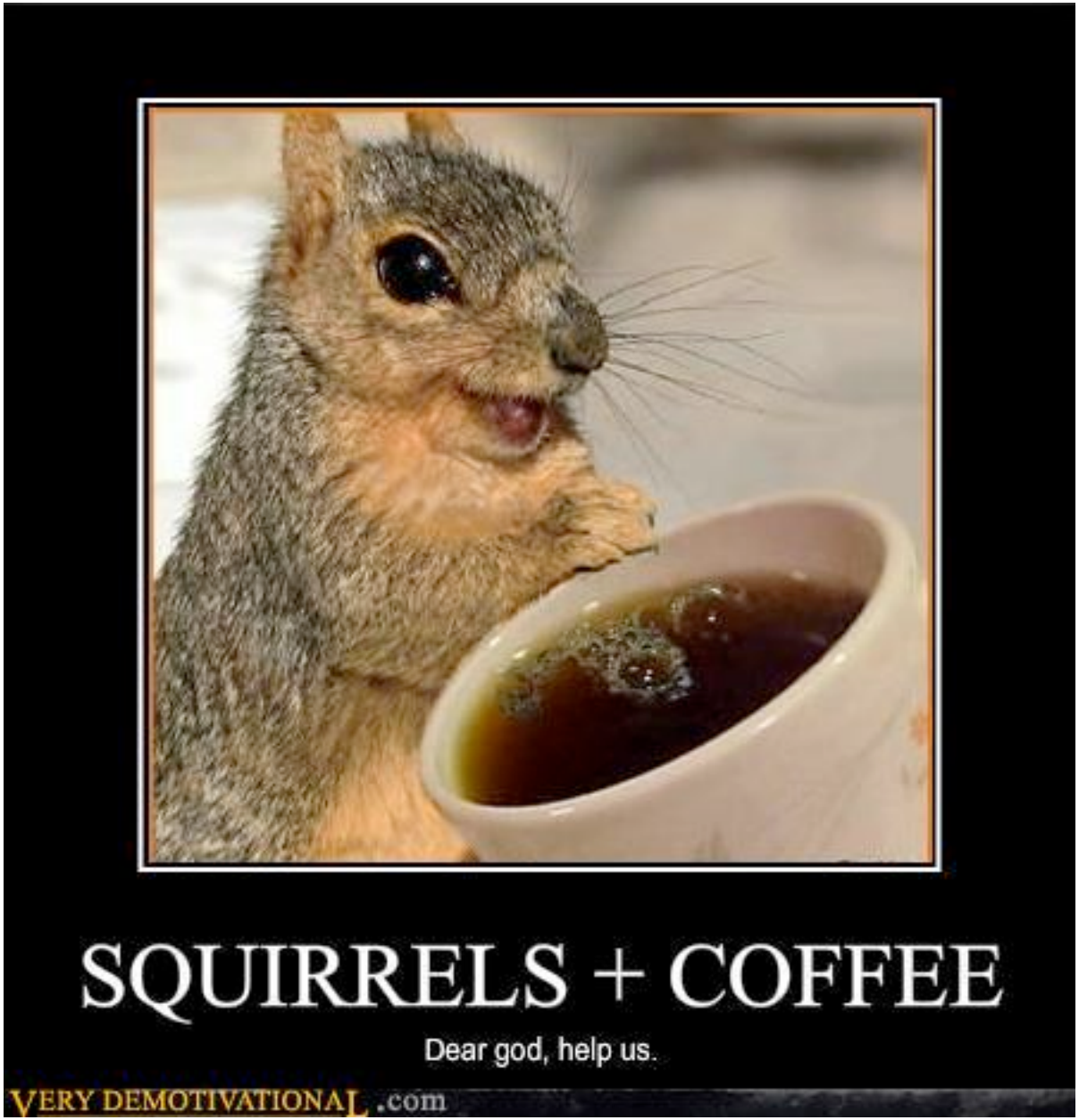
Plugins

- Written in your platform's native language
- Provide a JavaScript API
- https://github.com/phonegap/phonegap-plugins

Demo

PhoneGap Build

- Public Beta
- Automated builds for all platforms
- API
- http://phonegap.com/2011/10/13/phonegap-build-pricing-plans-update/

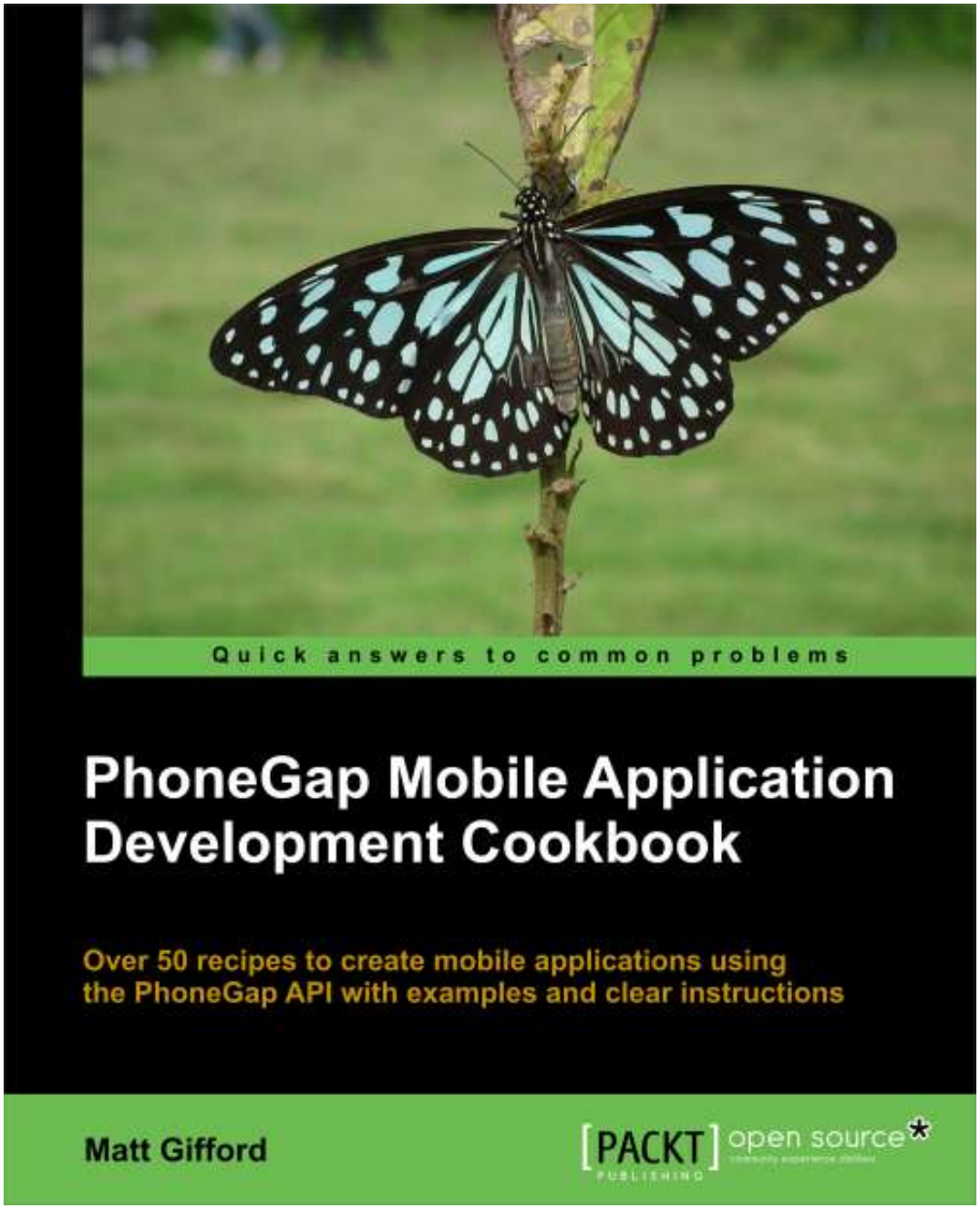

SQUIRRELS + COFFEE
Dear god, help us.
VERY DEMOTIVATIONAL .com

Demo

Help!

- Mailing List
  - http://groups.google.com/group/phonegap
- IRC

Books


Quick answers to common problems
PhoneGap Mobile Application Development Cookbook
Over 50 recipes to create mobile applications using the PhoneGap API with examples and clear instructions
Matt Gifford
[PACKT] open source
PUBLISHING

Wrap Up

- 7 Platforms
- Free
- HTML+JavaScript+CSS
- And you win!