



Social Media Apps Programming

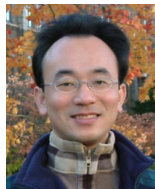
Create Hybrid Apps with Phonegap

1041SMAP07

TLMXM1A (8687) (M2143) (Fall 2015)

(MIS MBA) (2 Credits, Elective) [Full English Course]

Wed 9,10 (16:10-18:00) B310



Min-Yuh Day, Ph.D.

Assistant Professor

Department of Information Management

Tamkang University

<http://mail.tku.edu.tw/myday>



Course Schedule (1/3)

Week	Date	Subject/Topics
1	2015/09/16	Course Orientation and Introduction to Social Media and Mobile Apps Programming
2	2015/09/23	Introduction to Android / iOS Apps Programming
3	2015/09/30	Developing Android Native Apps with Java (Android Studio) (MIT App Inventor)
4	2015/10/07	Developing iPhone / iPad Native Apps with Swift (XCode)
5	2015/10/14	Mobile Apps using HTML5/CSS3/JavaScript
6	2015/10/21	jQuery Mobile

Course Schedule (2/3)

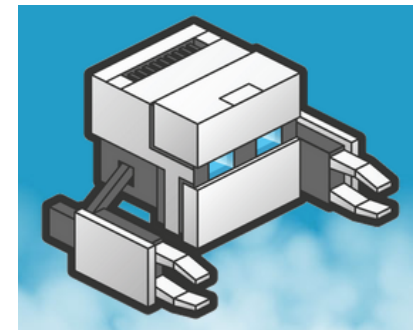
Week	Date	Subject/Topics
7	2015/10/28	Create Hybrid Apps with Phonegap
8	2015/11/04	jQuery Mobile/Phonegap
9	2015/11/11	jQuery Mobile/Phonegap
10	2015/11/18	Midterm Exam Week (Midterm Project Report)
11	2015/11/25	Case Study on Social Media Apps Programming and Marketing in Google Play and App Store
12	2015/12/02	Google Cloud Platform

Course Schedule (3/3)

Week	Date	Subject/Topics
13	2015/12/09	Google App Engine
14	2015/12/16	Google Map API
15	2015/12/23	Facebook API (Facebook JavaScript SDK) (Integrate Facebook with iOS/Android Apps)
16	2015/12/30	Twitter API
17	2016/01/06	Final Project Presentation
18	2016/01/13	Final Exam Week (Final Project Presentation)

Outline

- PhoneGap
 - PhoneGap
 - PhoneGap Build
 - index.html, css, js
 - config.xml
 - PhoneGap, jQuery Mobile
- Demo
 - Create Hybrid Apps with PhoneGap



Android /iOS Apps Programming

Native Apps

Hybrid Apps

Mobile Web Apps



App Development Comparison

Device Access	Speed	Development Cost	App Store	Approval Process
---------------	-------	------------------	-----------	------------------

Native Apps

Full

Very Fast

Expensive

Available

Mandatory

Hybrid Apps

Full

Native Speed
as Necessary

Reasonable

Available

Low
Overhead

Web Apps

Partial

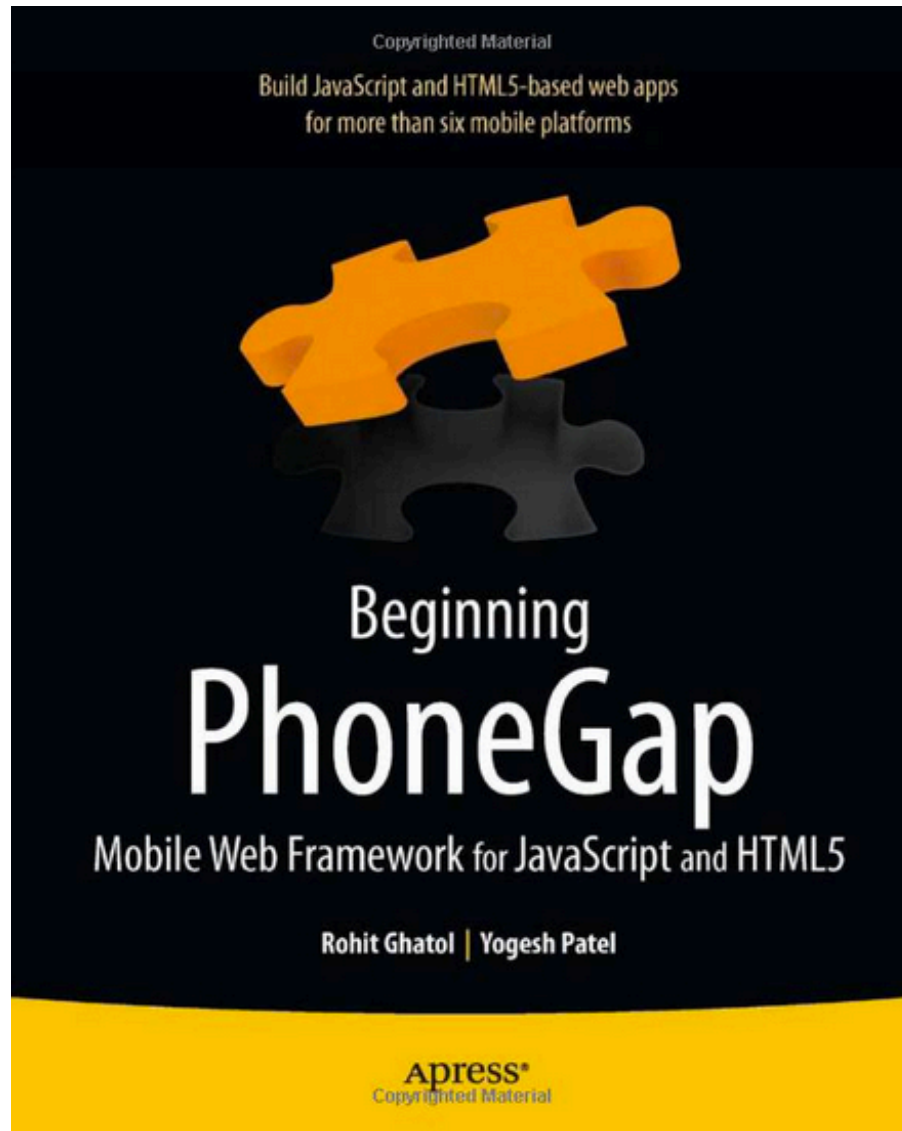
Fast

Reasonable

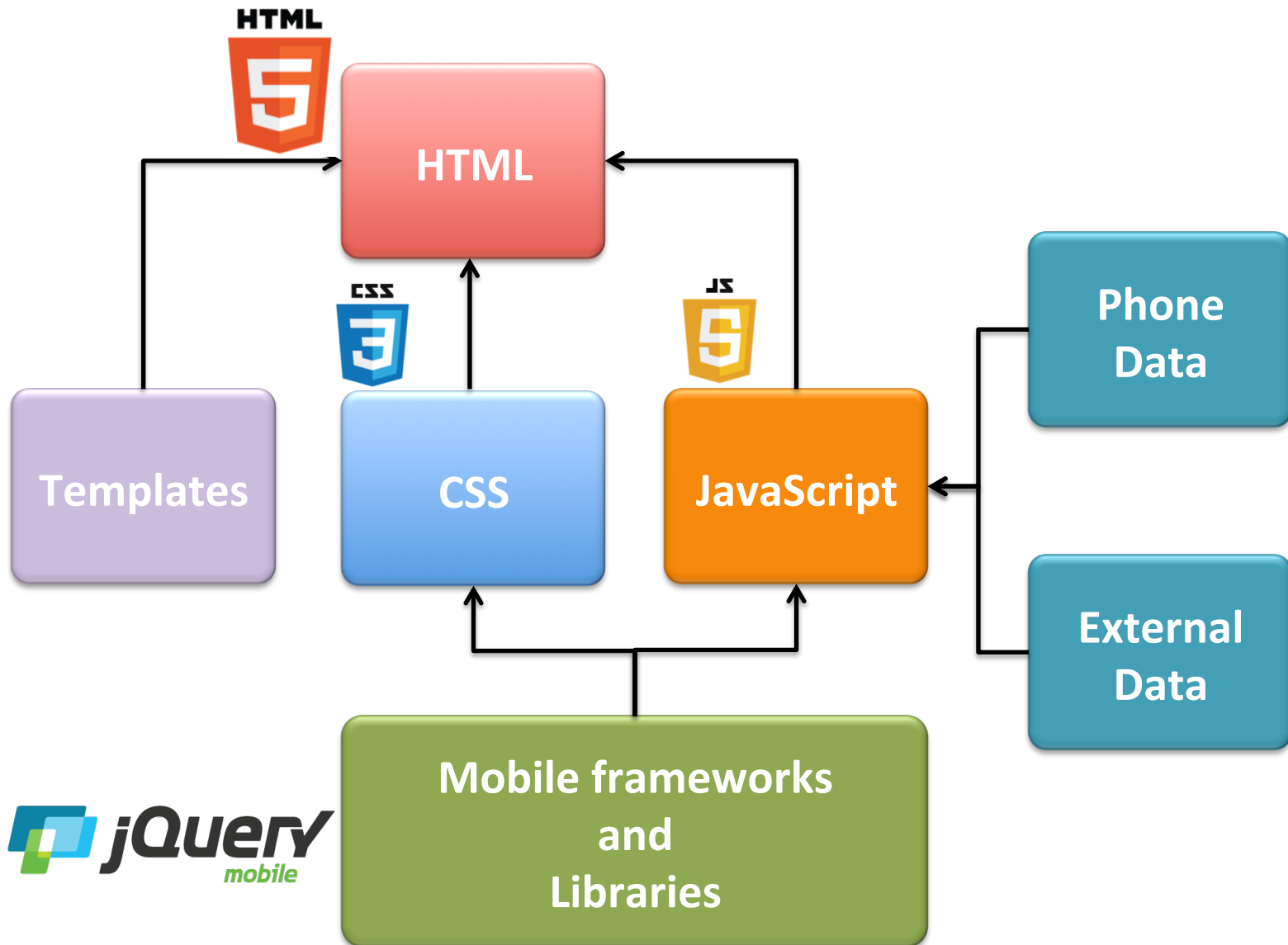
Not
Available

None

Beginning PhoneGap: Mobile Web Framework for JavaScript and HTML5, Rohit Ghatol & Yogesh Patel, Apress, 2012

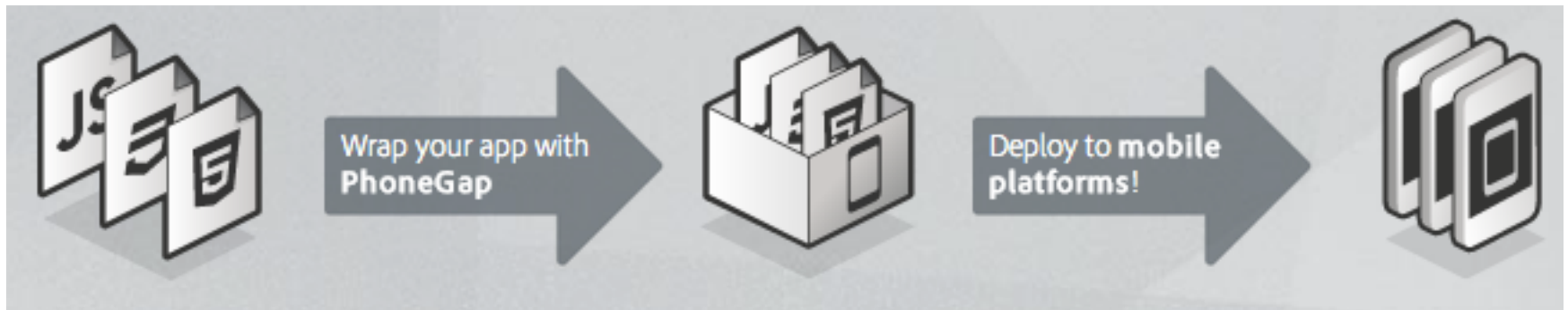


Mobile Web App



PhoneGap

- PhoneGap is a free and open source framework that allows you to **create mobile apps** using standardized web APIs for the platforms you care about.



PhoneGap Build

- Package mobile apps in the cloud
 - **PhoneGap Build** takes the pain out of compiling PhoneGap apps.
 - Get app-store ready apps without the headache of maintaining **native SDKs**.
 - **PhoneGap Build** service does the work for you by compiling in the cloud.

A promotional banner for PhoneGap Build. On the left is a stylized illustration of a server rack with two units, each having a blue light indicator. The background is a light blue sky with soft white clouds. On the right, the text 'Package mobile apps in the cloud' is displayed in white. Below this, a paragraph explains the service: 'PhoneGap Build takes the pain out of compiling PhoneGap apps. Get app-store ready apps without the headache of maintaining native SDKs. Our PhoneGap Build service does the work for you by compiling in the cloud.' Underneath the text are logos for various mobile operating systems: Apple, Android, Windows, BlackBerry, iOS, bada, and webOS. At the bottom right, there are two buttons: a blue 'Try it now! >' button and a grey 'Find out more >' button.

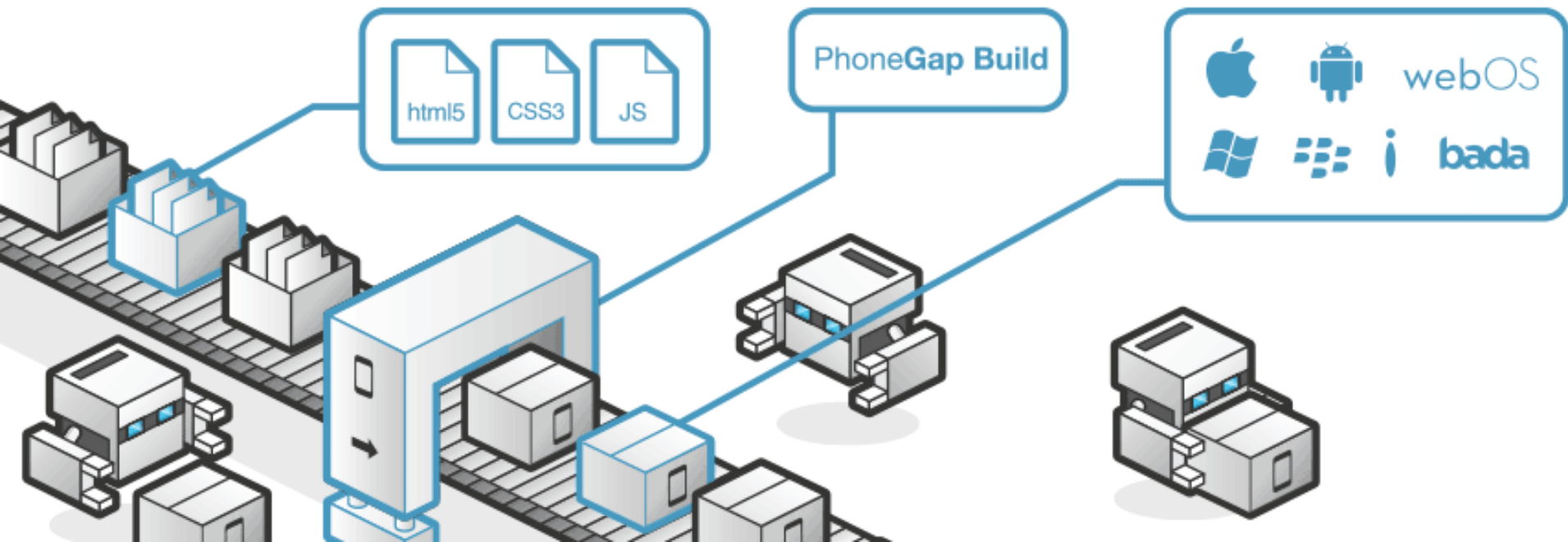
Package mobile apps in the cloud

PhoneGap Build takes the pain out of compiling PhoneGap apps. Get app-store ready apps without the headache of maintaining native SDKs. Our PhoneGap Build service does the work for you by compiling in the cloud.

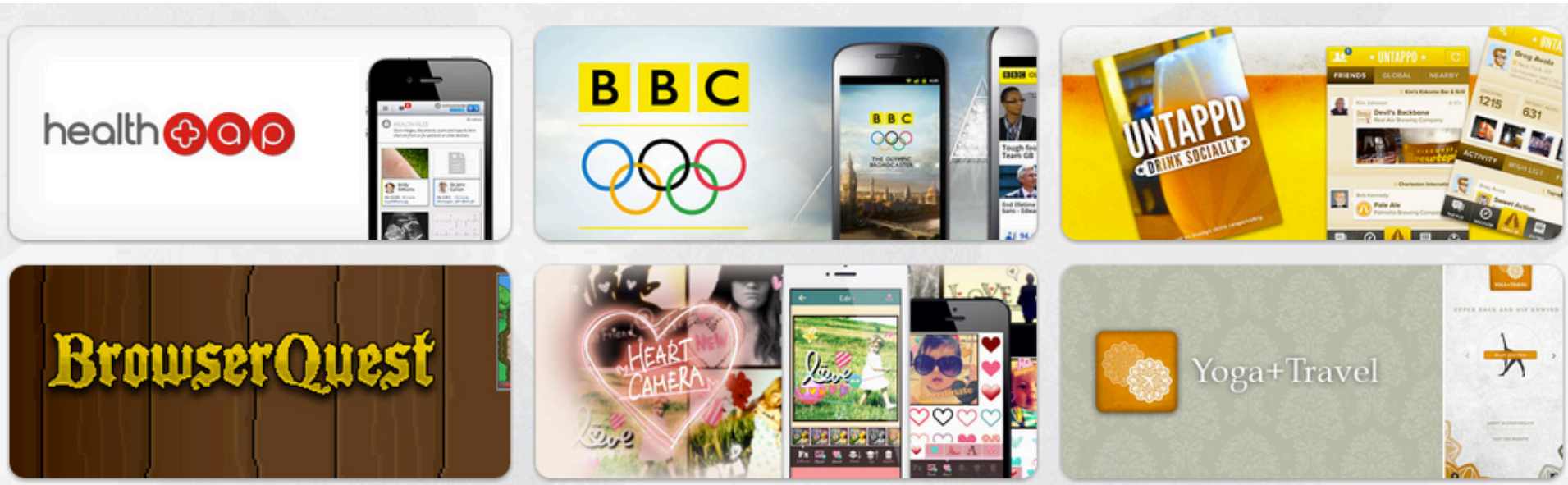
Apple Android Windows BlackBerry i bada webOS

Try it now! > Find out more >

PhoneGap Build



Apps Created with PhoneGap



Apps Created with PhoneGap

BBC Olympics



Adobe® PhoneGap™

- Write a PhoneGap app once with HTML and JavaScript and deploy it to any mobile device without losing features of a native app.
- Adobe PhoneGap
 - standards-based,
open-source development framework
for building cross-platform mobile apps with
HTML, CSS and JavaScript
for iOS, Android™, Windows® Phone,
webOS, BlackBerry® and more.

PhoneGap



PhoneGap

About

Developer

Community

Apps

Enterprise

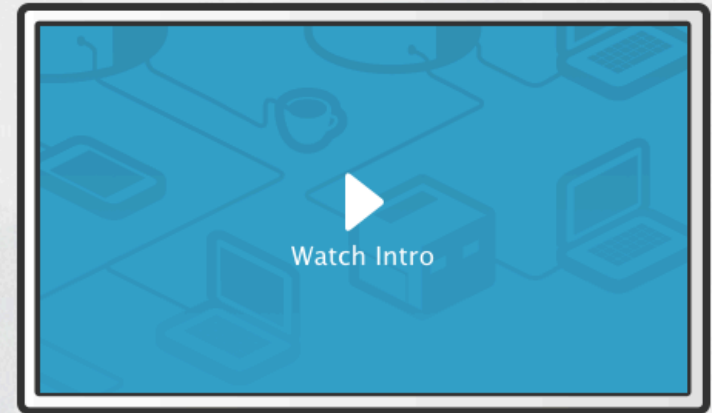


Easily create apps using the web technologies you know and love:
HTML, CSS, and JavaScript

PhoneGap is a free and open source framework that allows you to create mobile apps using standardized web APIs for the platforms you care about.

Install PhoneGap ▶

Getting Started Guides ▶



Adobe PhoneGap Enterprise

Enterprise mobile application development and management across channels and platforms

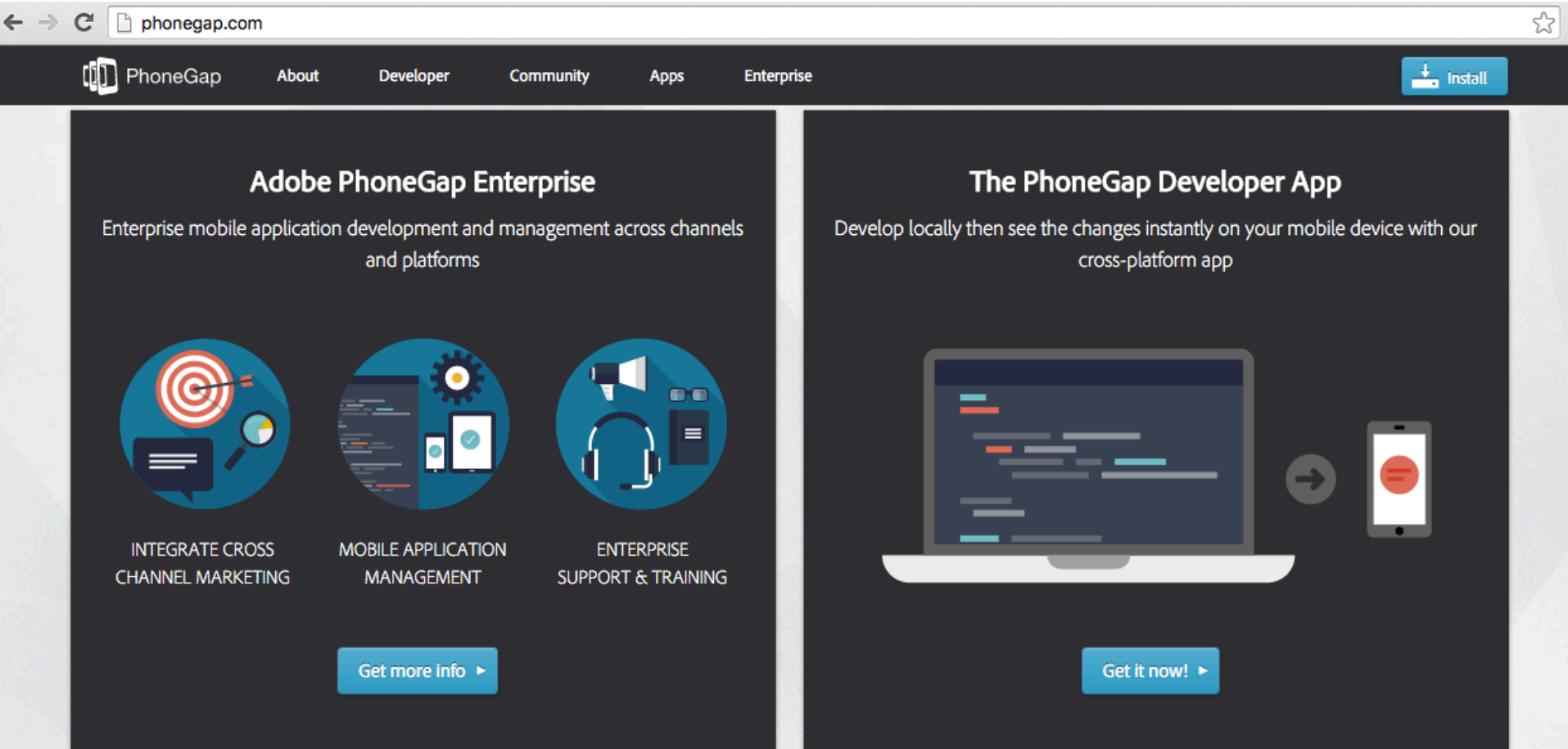


The PhoneGap Developer App

Develop locally then see the changes instantly on your mobile device with our cross-platform app



PhoneGap



The screenshot shows the PhoneGap website homepage. At the top is a navigation bar with links for 'PhoneGap', 'About', 'Developer', 'Community', 'Apps', and 'Enterprise'. An 'Install' button is located in the top right corner. The main content is divided into two large sections. The left section, titled 'Adobe PhoneGap Enterprise', describes 'Enterprise mobile application development and management across channels and platforms' and features three circular icons representing 'Integrate Cross Channel Marketing', 'Mobile Application Management', and 'Enterprise Support & Training'. The right section, titled 'The PhoneGap Developer App', describes 'Develop locally then see the changes instantly on your mobile device with our cross-platform app' and features an illustration of a laptop connected to a smartphone. Both sections have a corresponding 'Get more info' or 'Get it now' button at the bottom.

← → ↻ phonegap.com ☆

PhoneGap About Developer Community Apps Enterprise [Install](#)

Adobe PhoneGap Enterprise

Enterprise mobile application development and management across channels and platforms



INTEGRATE CROSS CHANNEL MARKETING



MOBILE APPLICATION MANAGEMENT

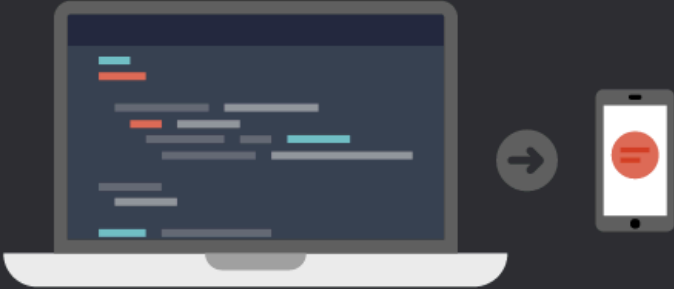


ENTERPRISE SUPPORT & TRAINING

[Get more info ▶](#)

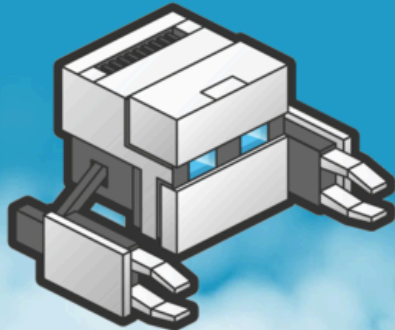
The PhoneGap Developer App

Develop locally then see the changes instantly on your mobile device with our cross-platform app



[Get it now! ▶](#)

PhoneGap



Package mobile apps in the cloud

PhoneGap Build takes the pain out of compiling PhoneGap apps. Get app-store ready apps without the headache of maintaining native SDKs. Our PhoneGap Build service does the work for you by compiling in the cloud.

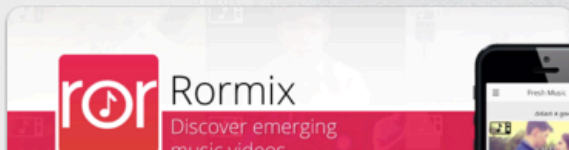
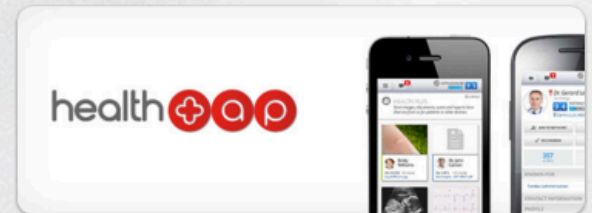
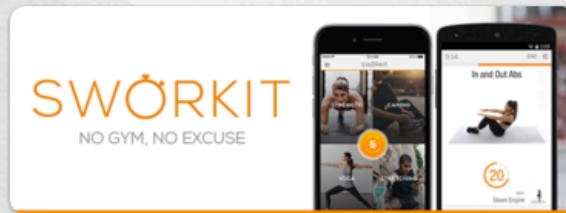


Try it now! ▶

Find out more ▶

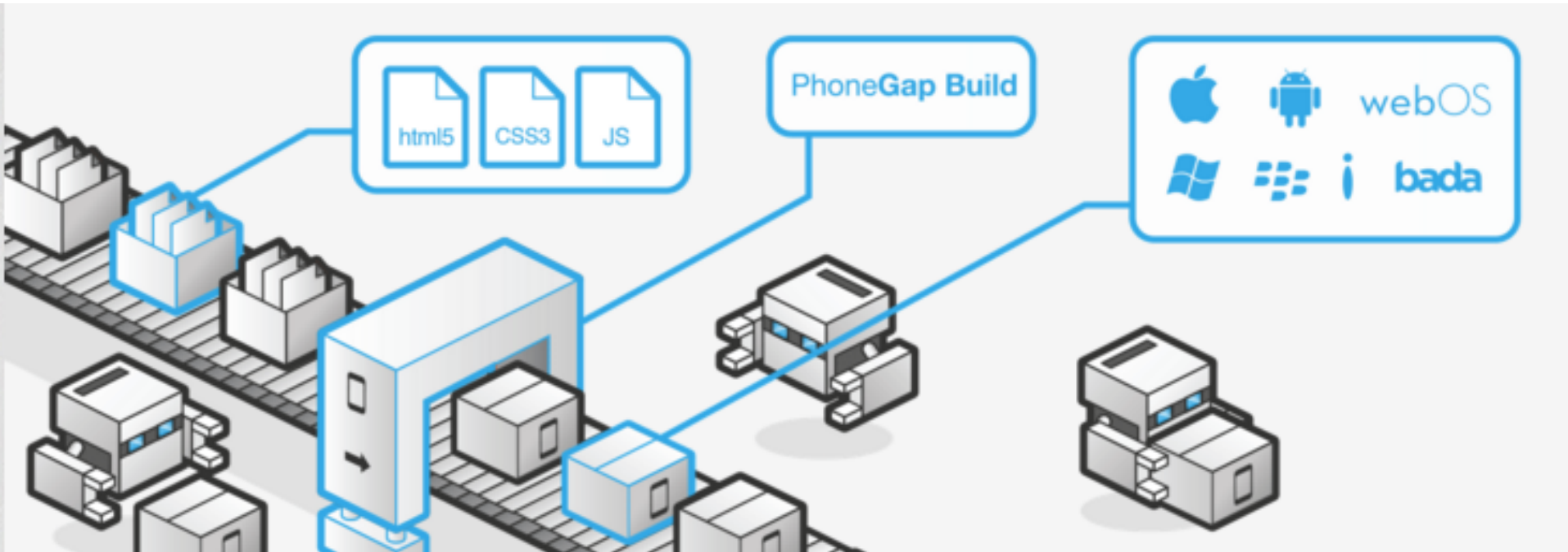
Apps Created with PhoneGap

See more ▶

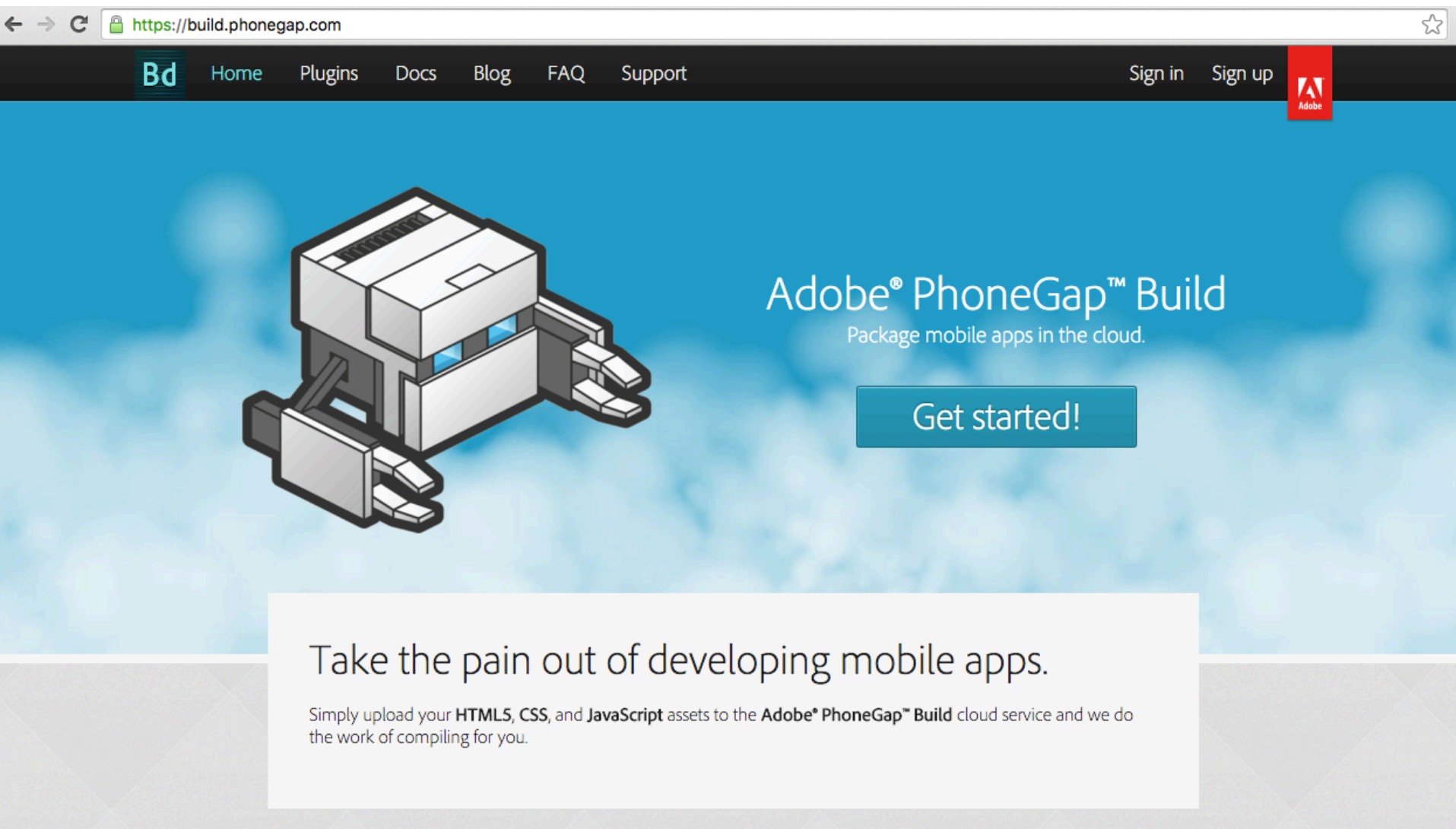


<http://phonegap.com/>

PhoneGap Build



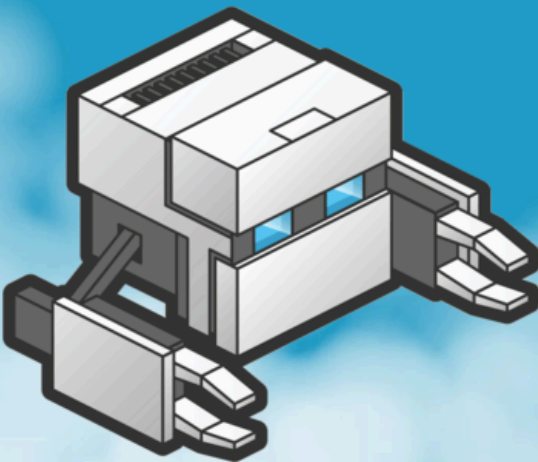
PhoneGap Build



The screenshot shows the Adobe PhoneGap Build website. At the top is a navigation bar with a 'Bd' logo, links for Home, Plugins, Docs, Blog, FAQ, and Support, and buttons for Sign in and Sign up. The Adobe logo is in the top right corner. The main content area has a blue background with a stylized illustration of a 3D printer on the left. To the right of the printer, the text 'Adobe® PhoneGap™ Build' is displayed, followed by the tagline 'Package mobile apps in the cloud.' and a 'Get started!' button. Below this, a white box contains the text 'Take the pain out of developing mobile apps.' and a paragraph explaining the service: 'Simply upload your HTML5, CSS, and JavaScript assets to the Adobe® PhoneGap™ Build cloud service and we do the work of compiling for you.'

← → ↻ <https://build.phonegap.com> ☆

Bd Home Plugins Docs Blog FAQ Support Sign in Sign up 



Adobe® PhoneGap™ Build

Package mobile apps in the cloud.

Get started!

Take the pain out of developing mobile apps.

Simply upload your **HTML5**, **CSS**, and **JavaScript** assets to the **Adobe® PhoneGap™ Build** cloud service and we do the work of compiling for you.

<https://build.phonegap.com/plans>

PhoneGap Build

Choose your plan

	Free Plan	Paid Plan	Adobe Creative Cloud Membership ?
open source apps	∞ unlimited must be pulled from a public Github repo		
private apps ?	1	25	
max app size	50 MB	100 MB	1 GB
core cordova plugins * a list of these plugins is here	YES		
third party plugins * includes plugins from npmjs.com as well as our own repository	YES		
upload plugins * includes plugins only you can use	NO	YES	
collaborators	∞ unlimited invite people to your app as either developers or testers		
	completely free	starting at \$9.99/mo	sign in with your Adobe ID

<https://build.phonegap.com/plans>

Get started with PhoneGap Build

- Simply **upload** your web assets -
a ZIP file of **HTML, CSS and JavaScript**,
or a single **index.html** file
- to **PhoneGap Build**
 - Git or SVN repository.
- PhoneGap Build undertake the compilation and packaging
- In minutes, you'll receive the download URLs for all mobile platforms.

PhoneGap Build vs. PhoneGap

- PhoneGap
 - a mobile application development framework, based upon the open source Apache Cordova project.
 - write an app once with HTML, CSS and JavaScript, and then deploy it to a wide range of mobile devices without losing the features of a native app.
- PhoneGap Build
 - a cloud-based service built on top of the PhoneGap framework.
 - easily build those same mobile apps in the cloud.

Public Apps vs. Private Apps

- Public apps
 - source code hosted in a publicly accessible **GitHub repository**.
- Private apps
 - source code hosted in a **private** (non-publicly accessible) **GitHub repository**
 - uploads a **ZIP file** containing the source code and assets to the PhoneGap Build service.

PhoneGap, jQuery Mobile, jQuery

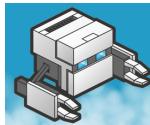


jQuery Mobile
(User Interface)

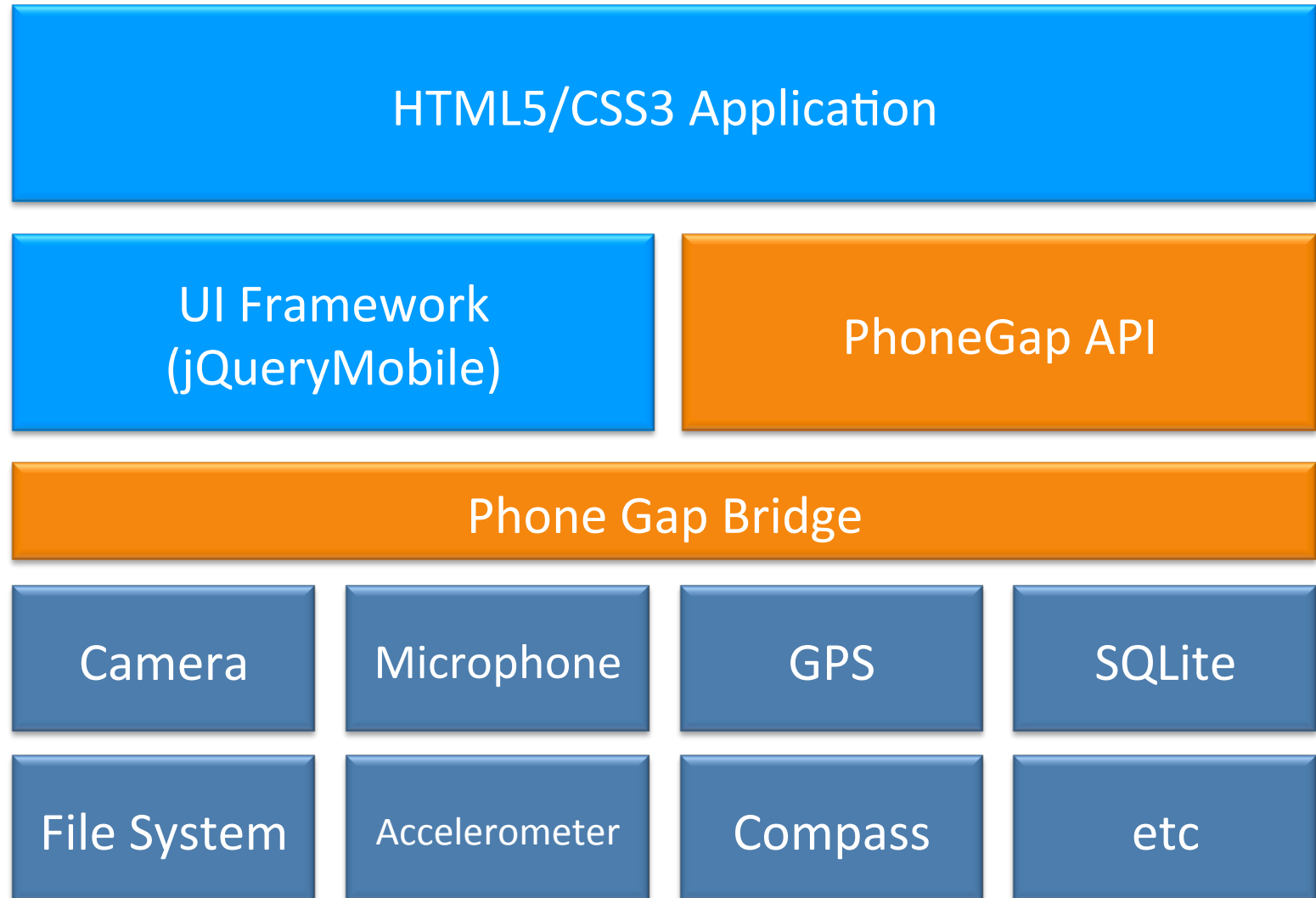


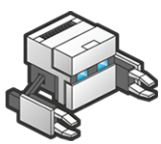
jQuery
(Logic and Computing)

PhoneGap
(Hardware Interface)



PhoneGap App Architecture





Install PhoneGap

 PhoneGap About Developer Community Apps Enterprise 

Install PhoneGap

Install

To Install, ensure that you have [NodeJS](#) installed, then open your command-line and run the following:

```
$ sudo npm install -g phonegap
```

Once installation completes, you can invoke `phonegap` on command line for further help.

Usage

```
$ phonegap create my-app  
$ cd my-app  
$ phonegap run android
```

Learn more at docs.phonegap.com

Looking for an easier way to get started? Try the new [PhoneGap Desktop App](#) (in beta)!

PhoneGap 2.9.1
Released 05 Nov 2013



NodeJS



[HOME](#) | [ABOUT](#) | [DOWNLOADS](#) | [DOCS](#) | [FOUNDATION](#) | [GET INVOLVED](#) | [SECURITY](#) | [NEWS](#)

Node.js® is a JavaScript runtime built on [Chrome's V8 JavaScript engine](#). Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient. Node.js' package ecosystem, [npm](#), is the largest ecosystem of open source libraries in the world.

Current Version: v4.2.1
Long Term Support Release

[Download for OS X \(x64\)](#)

[Other Downloads](#) | [Changelog](#) | [API Docs](#)



<http://nodejs.org/>

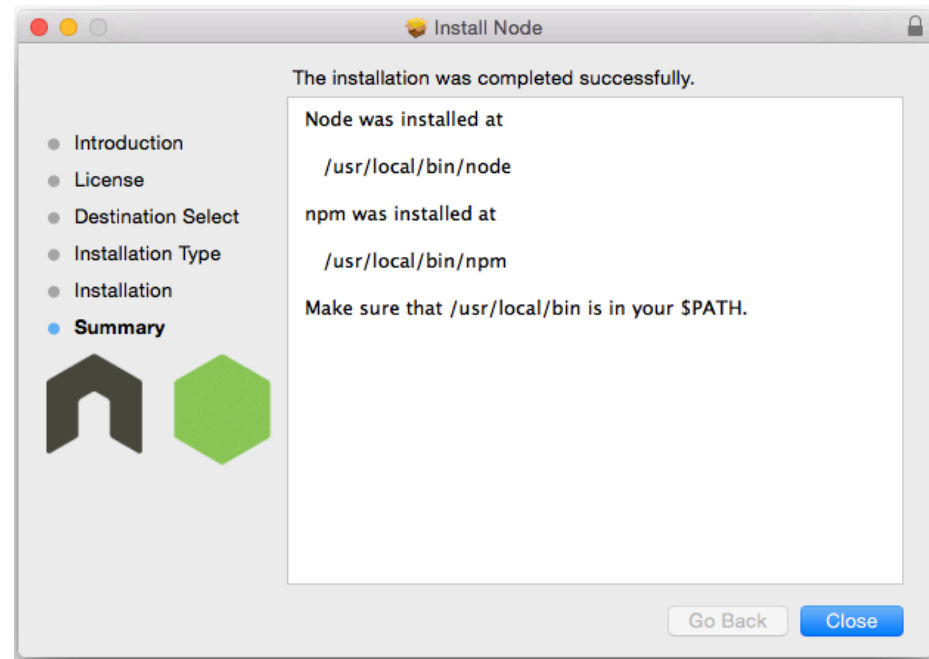
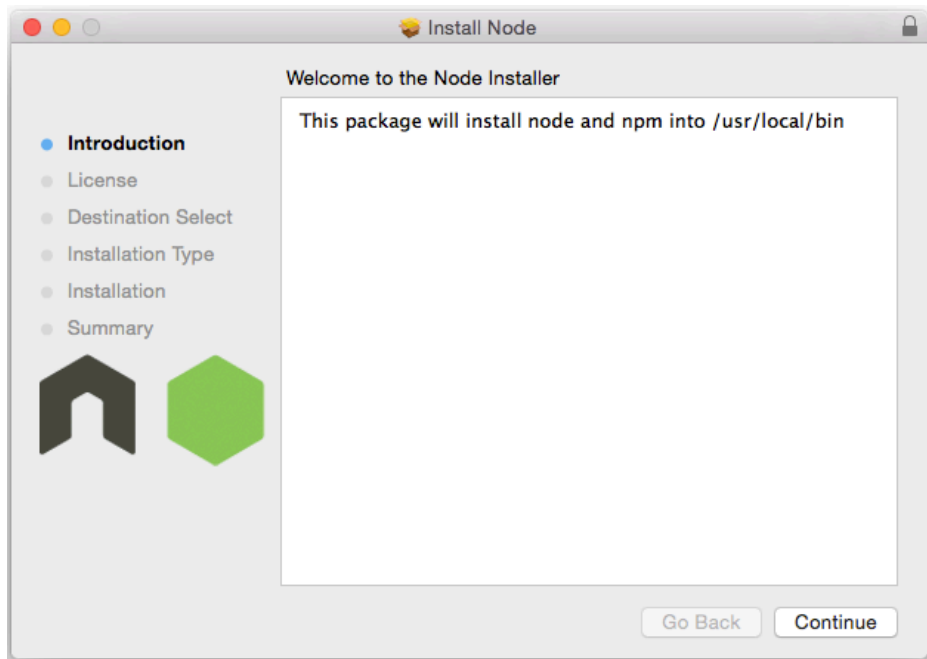


Install NodeJS



node-v0.10.33.pkg

10.2 MB



PhoneGap Documentation



GETTING STARTED

- [Step 1: Install PhoneGap](#)
- [Step 2: Install Mobile App](#)
- [Step 3: Create Your App](#)
- [Step 4: Run Your App](#)
- [Step 5: Going Further](#)

TUTORIALS

DEVELOPER GUIDES

- [Hello World Explained](#)
- [Embedding the Webview](#)

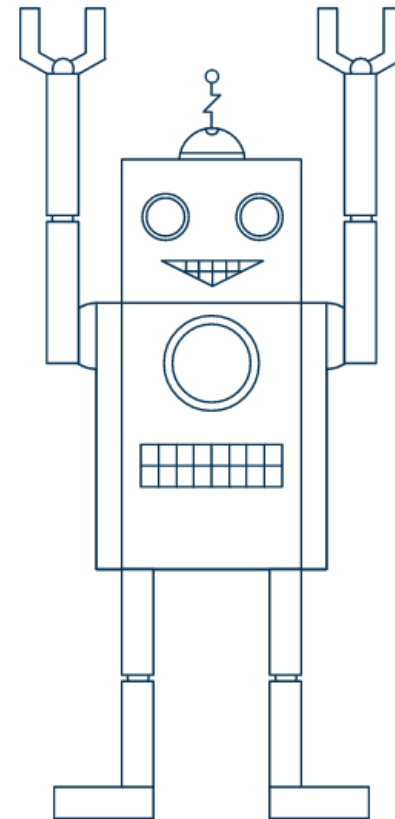
REFERENCES

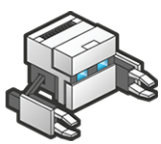
- [Plugin APIs](#)
- [PhoneGap Desktop](#)
- [PhoneGap Developer](#)
- [PhoneGap CLI](#)

PhoneGap Documentation

Welcome to the new version of the PhoneGap Docs! We're working on putting together a comprehensive resource that covers all things PhoneGap and mobile app development, that is both in-depth and easy to follow.

We didn't want to keep you waiting for all the good stuff, so we've published some key resources to get you going. If you are new to PhoneGap, we recommend beginning by working through our [Getting Started Guide](#). We've also put together a helpful [tutorial](#) on extending our "Hello World" example app. These should get you going, and keep your eyes peeled for new material to come soon.





PhoneGap Plugin APIs



GETTING STARTED

- [Step 1: Install PhoneGap](#)
- [Step 2: Install Mobile App](#)
- [Step 3: Create Your App](#)
- [Step 4: Run Your App](#)
- [Step 5: Going Further](#)

TUTORIALS

DEVELOPER GUIDES

- [Hello World Explained](#)
- [Embedding the Webview](#)

REFERENCES

- [Plugin APIs](#)**
- [PhoneGap Desktop](#)
- [PhoneGap Developer](#)
- [PhoneGap CLI](#)

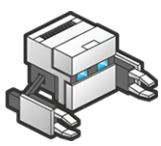
Plugin APIs

Core Plugins

The most current version of the Cordova Core Plugin APIs are found in their respective GitHub repositories linked to below:

- [Battery Status](#)
- [Camera](#)
- [Contacts](#)
- [Device Info](#)
- [Device Motion \(accelerometer\)](#)
- [Device Orientation \(compass\)](#)
- [Dialogs \(notification\)](#)
- [File](#)
- [File Transfer](#)
- [Geolocation](#)
- [Globalization](#)
- [InAppBrowser](#)
- [Media Capture](#)
- [Network Information](#)
- [Splash Screen](#)

<http://docs.phonegap.com/plugin-apis/>



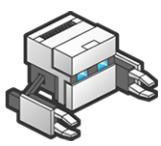
PhoneGape Install

\$ **sudo npm install -g phonegap**

```
npm http 304 https://registry.npmjs.org/bytes/0.1.0
npm http 304 https://registry.npmjs.org/qs/0.5.1
npm http 304 https://registry.npmjs.org/formidable/1.0.11
npm http GET https://registry.npmjs.org/abbrev
npm http GET https://registry.npmjs.org/optimist
npm http GET https://registry.npmjs.org/underscore/1.2.1
npm http GET https://registry.npmjs.org/ini
npm http GET https://registry.npmjs.org/deep-extend
npm http GET https://registry.npmjs.org/fstream
npm http GET https://registry.npmjs.org/commander
npm http GET https://registry.npmjs.org/pegjs/0.6.2
npm http GET https://registry.npmjs.org/node-uuid/1.3.3
npm http 304 https://registry.npmjs.org/underscore/1.2.1
npm http 304 https://registry.npmjs.org/abbrev
npm http 304 https://registry.npmjs.org/ini
npm http 304 https://registry.npmjs.org/deep-extend
npm http 304 https://registry.npmjs.org/optimist
npm http 304 https://registry.npmjs.org/fstream
npm http 304 https://registry.npmjs.org/commander
npm http 304 https://registry.npmjs.org/node-uuid/1.3.3
npm http 304 https://registry.npmjs.org/pegjs/0.6.2
npm http GET https://registry.npmjs.org/wordwrap
npm http GET https://registry.npmjs.org/keypress
npm http GET https://registry.npmjs.org/rimraf
npm http GET https://registry.npmjs.org/inherits
npm http GET https://registry.npmjs.org/mkdirp
npm http GET https://registry.npmjs.org/graceful-fs
npm http 304 https://registry.npmjs.org/wordwrap
npm http 304 https://registry.npmjs.org/keypress
npm http 304 https://registry.npmjs.org/rimraf
npm http 304 https://registry.npmjs.org/inherits
npm http 304 https://registry.npmjs.org/mkdirp
npm http 304 https://registry.npmjs.org/graceful-fs
/usr/local/bin/phonegap -> /usr/local/lib/node_modules/phonegap/bin/phonegap.js
phonegap@3.1.0-0.15.0 /usr/local/lib/node_modules/phonegap
├── colors@0.6.0-1
├── pluralize@0.0.4
├── semver@1.1.0
├── qrcode-terminal@0.9.4
├── shelljs@0.1.4
├── optimist@0.6.0 (minimist@0.0.5, wordwrap@0.0.2)
├── node-static@0.7.0 (colors@0.6.2, mime@1.2.11)
├── prompt@0.2.11 (revalidator@0.1.5, pkginfo@0.3.0, read@1.0.5, winston@0.6.2,
util@0.2.0)
├── phonegap-build@0.8.4 (qrcode-terminal@0.8.0, shelljs@0.0.9, optimist@0.3.7,
phonegap-build-api@0.3.3)
├── cordova@3.1.0-0.1.0 (ncallbacks@1.0.0, colors@0.6.2, open@0.0.3, mime@1.2.11
, follow-redirects@0.0.3, shelljs@0.1.2, xcode@0.5.1, tar@0.1.18, elementtree@0.
1.5, glob@3.2.7, prompt@0.2.7, express@3.0.0, request@2.22.0, npm@1.3.14, plist@
0.4.3, ripple-emulator@0.9.18, plugman@0.13.0)
pc16:development imydays
```



npm (Node Package Manager)



PhoneGape Usage

```
$ phonegap create myapp
```

```
[phonegap] missing library phonegap/www/3.1.0
```

```
[phonegap] downloading https://github.com/phonegap/  
phonegap-app-hello-world/archive/3.1.0.tar.gz...
```

```
[phonegap] created project at /Users/imyday/  
Development/myapp
```

```
$ cd myapp
```

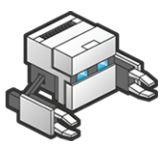
```
$ phonegap run android
```

```
[phonegap] detecting Android SDK environment...
```

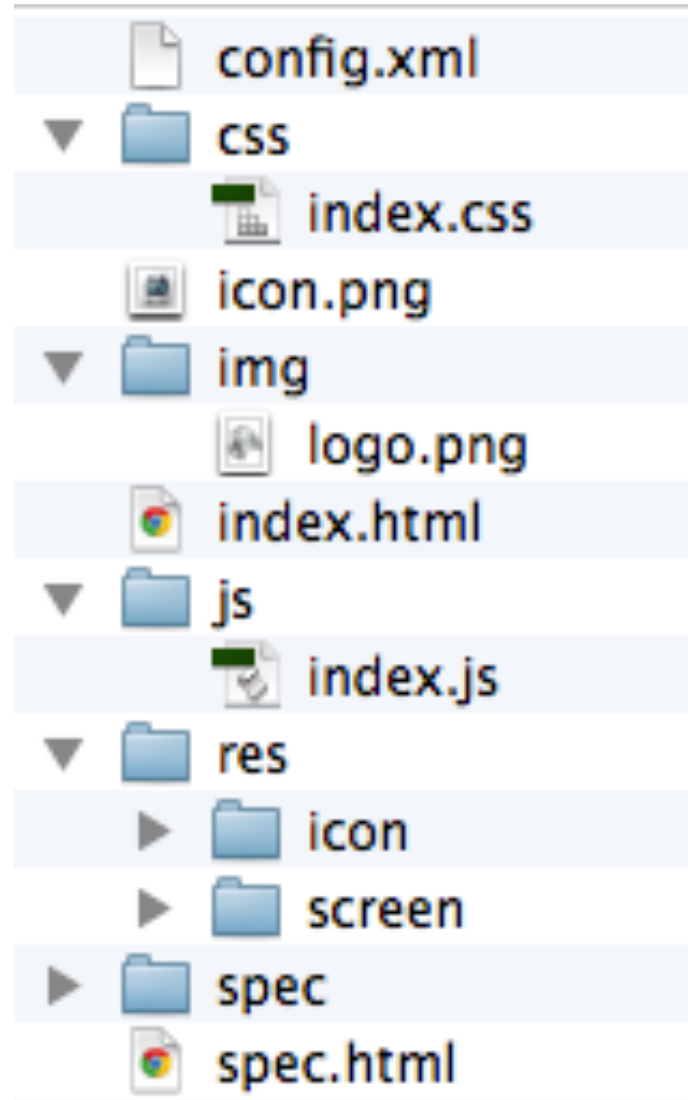
```
[phonegap] using the remote environment
```

```
[phonegap] compressing the app...
```

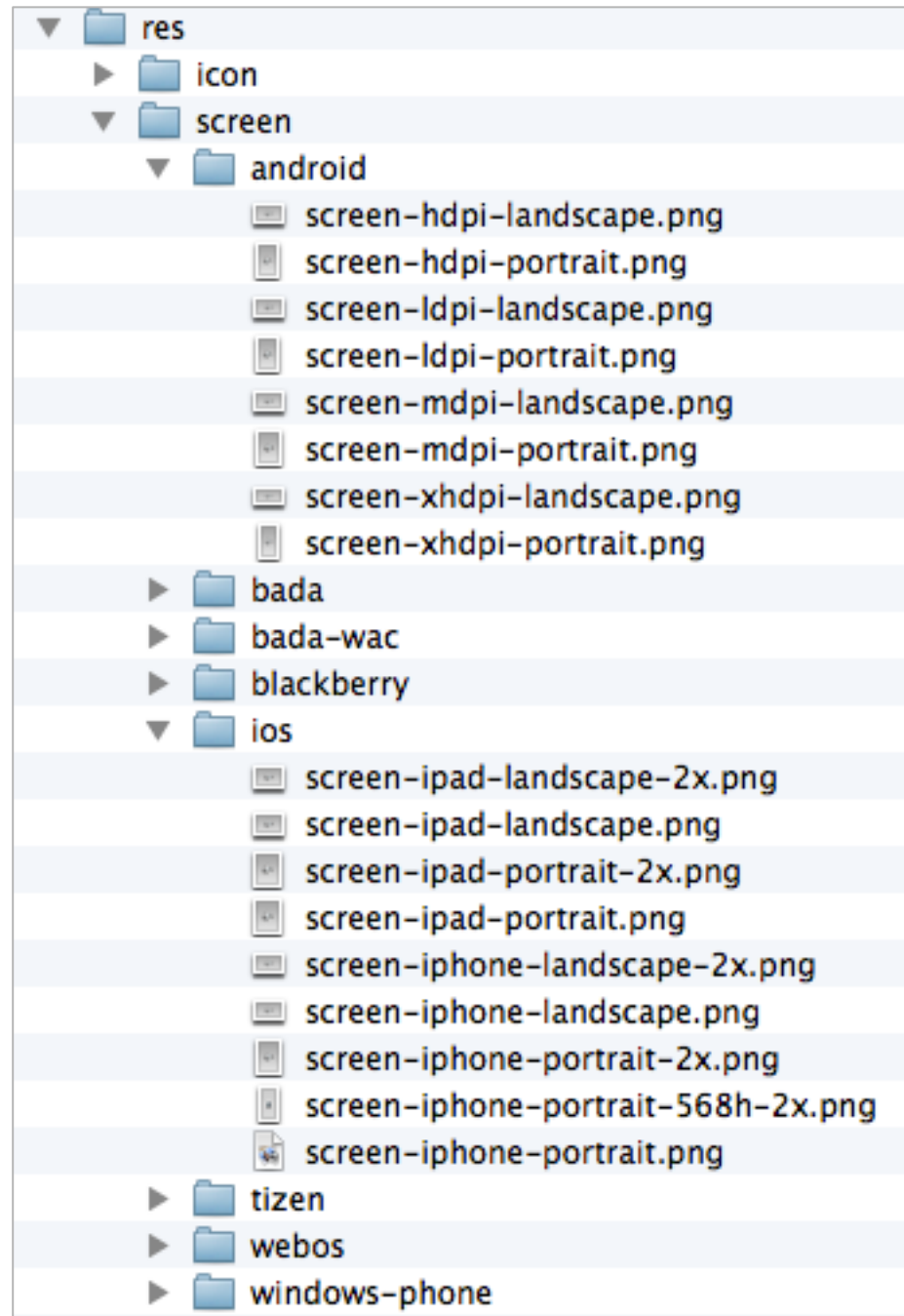
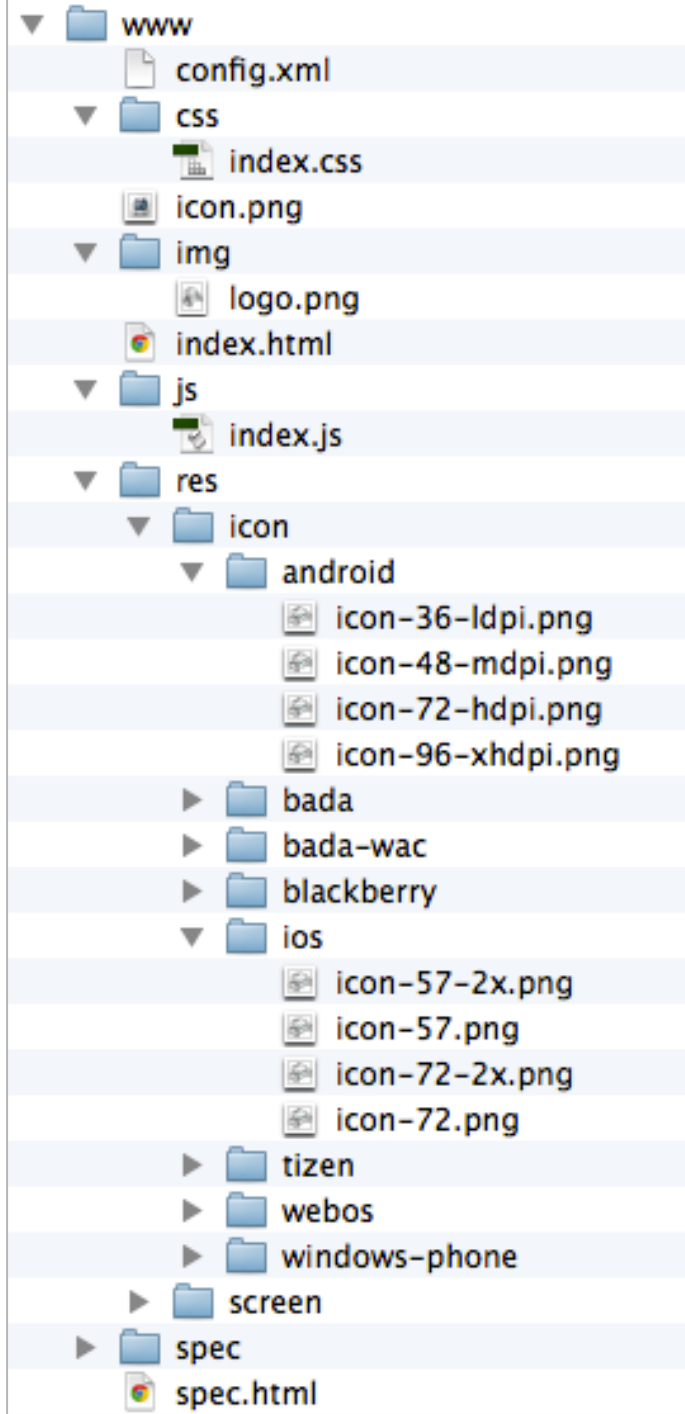
```
[phonegap] uploading the app...
```

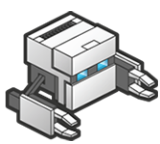


myapp/www/



myapp/
www/





PhoneGap config.xml

config.xml

css

icon.png

img

index.html

js

res

spec

spec.html

```
<?xml version='1.0' encoding='utf-8'?>
<widget id="com.phonegap.helloworld"
version="1.0.0" xmlns="http://www.w3.org/
ns/widgets" xmlns:gap="http://phonegap.com/
ns/1.0">
  <name>HelloWorld</name>
  <description>
    Hello World sample application that
    responds to the deviceready event.
  </description>
  <author email="support@phonegap.com"
href="http://phonegap.com">
    PhoneGap Team
  </author>
  <feature name="http://api.phonegap.com/
1.0/device" />
</widget>
```

Name config.xml

Kind XML Document

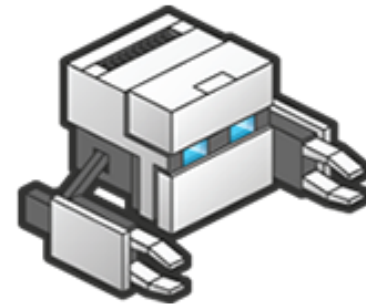
Size 4 KB

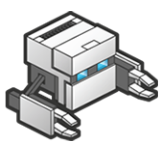

```

<?xml version='1.0' encoding='utf-8'?>
<widget id="com.phonegap.helloworld" version="1.0.0" xmlns="http://www.w3.org/ns/widgets" xmlns:gap="http://phonegap.com/ns/1.0">
  <name>HelloWorld</name>
  <description>
    Hello World sample application that responds to the deviceready event.
  </description>
  <author email="support@phonegap.com" href="http://phonegap.com">
    PhoneGap Team
  </author>
  <feature name="http://api.phonegap.com/1.0/device" />
  <preference name="permissions" value="none" />
  <preference name="orientation" value="default" />
  <preference name="target-device" value="universal" />
  <preference name="fullscreen" value="true" />
  <preference name="webviewbounce" value="true" />
  <preference name="prerendered-icon" value="true" />
  <preference name="stay-in-webview" value="false" />
  <preference name="ios-statusbarstyle" value="black-opaque" />
  <preference name="detect-data-types" value="true" />
  <preference name="exit-on-suspend" value="false" />
  <preference name="show-splash-screen-spinner" value="true" />
  <preference name="auto-hide-splash-screen" value="true" />
  <preference name="disable-cursor" value="false" />
  <preference name="android-minSdkVersion" value="7" />
  <preference name="android-installLocation" value="auto" />
  <icon src="icon.png" />
  <icon gap:density="ldpi" gap:platform="android" src="res/icon/android/icon-36-ldpi.png" />
  <icon gap:density="mdpi" gap:platform="android" src="res/icon/android/icon-48-mdpi.png" />
  <icon gap:density="hdpi" gap:platform="android" src="res/icon/android/icon-72-hdpi.png" />
  <icon gap:density="xhdpi" gap:platform="android" src="res/icon/android/icon-96-xhdpi.png" />
  <icon gap:platform="blackberry" src="res/icon/blackberry/icon-80.png" />
  <icon gap:platform="blackberry" gap:state="hover" src="res/icon/blackberry/icon-80.png" />
  <icon gap:platform="ios" height="57" src="res/icon/ios/icon-57.png" width="57" />
  <icon gap:platform="ios" height="72" src="res/icon/ios/icon-72.png" width="72" />
  <icon gap:platform="ios" height="114" src="res/icon/ios/icon-57-2x.png" width="114" />
  <icon gap:platform="ios" height="144" src="res/icon/ios/icon-72-2x.png" width="144" />
  <icon gap:platform="webos" src="res/icon/webos/icon-64.png" />
  <icon gap:platform="winphone" src="res/icon/windows-phone/icon-48.png" />
  <icon gap:platform="winphone" gap:role="background" src="res/icon/windows-phone/icon-173.png" />
  <gap:splash gap:density="ldpi" gap:platform="android" src="res/screen/android/screen-ldpi-portrait.png" />
  <gap:splash gap:density="mdpi" gap:platform="android" src="res/screen/android/screen-mdpi-portrait.png" />
  <gap:splash gap:density="hdpi" gap:platform="android" src="res/screen/android/screen-hdpi-portrait.png" />
  <gap:splash gap:density="xhdpi" gap:platform="android" src="res/screen/android/screen-xhdpi-portrait.png" />
  <gap:splash gap:platform="blackberry" src="res/screen/blackberry/screen-225.png" />
  <gap:splash gap:platform="ios" height="480" src="res/screen/ios/screen-iphone-portrait.png" width="320" />
  <gap:splash gap:platform="ios" height="960" src="res/screen/ios/screen-iphone-portrait-2x.png" width="640" />
  <gap:splash gap:platform="ios" height="1024" src="res/screen/ios/screen-ipad-portrait.png" width="768" />
  <gap:splash gap:platform="ios" height="768" src="res/screen/ios/screen-ipad-landscape.png" width="1024" />
  <gap:splash gap:platform="winphone" src="res/screen/windows-phone/screen-portrait.jpg" />
  <access origin="http://127.0.0.1*" />
</widget>

```

config.xml

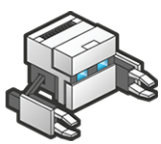




config.xml (part 1/3)

widget id, version,
name, description, author

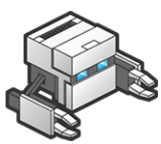
```
<?xml version='1.0' encoding='utf-8'?>
<widget
  id="com.phonegap.helloworld"
  version="1.0.0"
  xmlns="http://www.w3.org/ns/widgets"
  xmlns:gap="http://phonegap.com/ns/1.0">
  <name>HelloWorld</name>
  <description>
    Hello World sample application
  </description>
  <author email="support@phonegap.com" href="http://phonegap.com">
    PhoneGap Team
  </author>
  <feature name="http://api.phonegap.com/1.0/device" />
  <preference name="permissions" value="none" />
  <icon src="icon.png" />
</widget>
```



config.xml (part 2/3)

feature, preference, icon

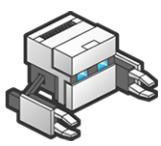
```
<feature name="http://api.phonegap.com/1.0/device" />
<preference name="permissions" value="none" />
<preference name="orientation" value="default" />
<preference name="target-device" value="universal" />
<preference name="fullscreen" value="true" />
<preference name="webviewbounce" value="true" />
<preference name="prerendered-icon" value="true" />
<preference name="stay-in-webview" value="false" />
<preference name="ios-statusbarstyle" value="black-opaque" />
<preference name="detect-data-types" value="true" />
<preference name="exit-on-suspend" value="false" />
<preference name="show-splash-screen-spinner" value="true" />
<preference name="auto-hide-splash-screen" value="true" />
<preference name="disable-cursor" value="false" />
<preference name="android-minSdkVersion" value="7" />
<preference name="android-installLocation" value="auto" />
<b>icon src="icon.png" />
```



config.xml (part 3/3)

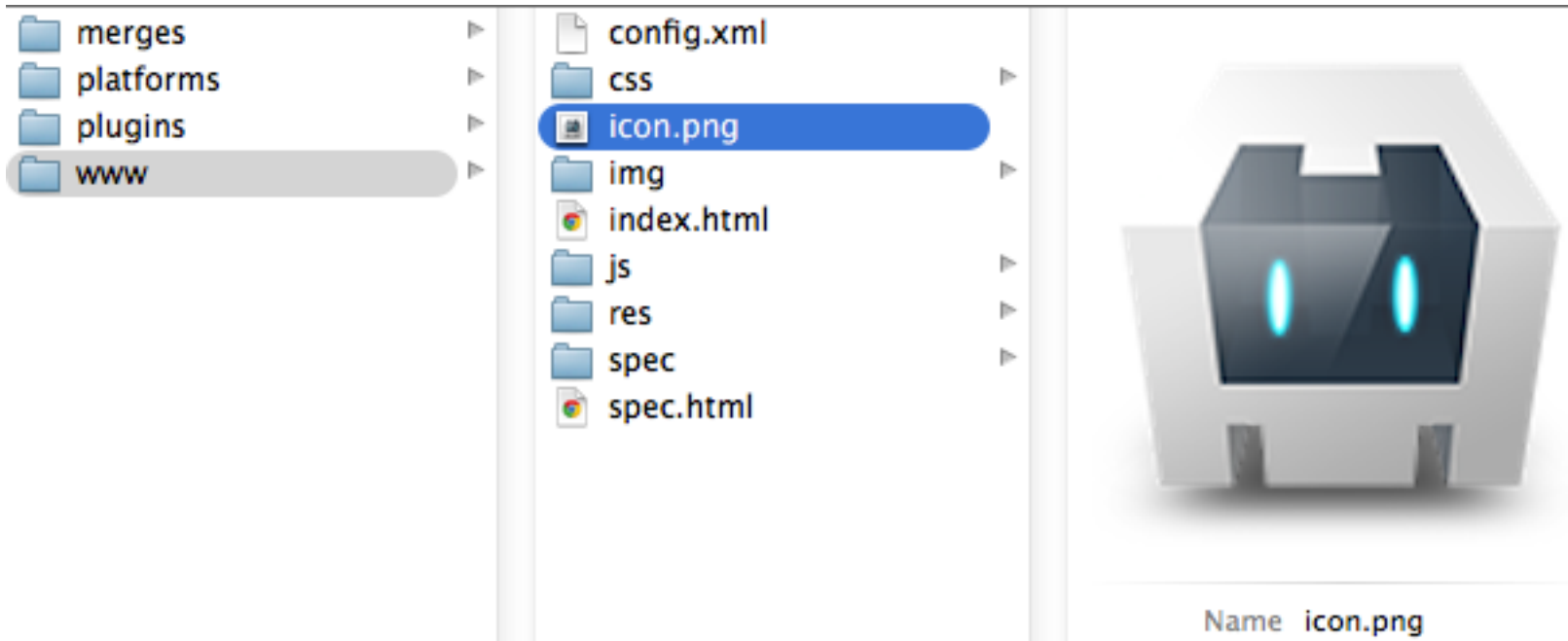
gap:splash

```
<gap:splash gap:density="ldpi" gap:platform="android" src="res/
screen/android/screen-ldpi-portrait.png" />
<gap:splash gap:density="mdpi" gap:platform="android" src="res/
screen/android/screen-mdpi-portrait.png" />
<gap:splash gap:density="hdpi" gap:platform="android" src="res/
screen/android/screen-hdpi-portrait.png" />
<gap:splash gap:density="xhdpi" gap:platform="android" src="res/
screen/android/screen-xhdpi-portrait.png" />
<gap:splash gap:platform="blackberry" src="res/screen/
blackberry/screen-225.png" />
<gap:splash gap:platform="ios" height="480" src="res/screen/
ios/screen-iphone-portrait.png" width="320" />
<gap:splash gap:platform="ios" height="960" src="res/screen/ios/
screen-iphone-portrait-2x.png" width="640" />
<gap:splash gap:platform="ios" height="1024" src="res/screen/
ios/screen-ipad-portrait.png" width="768" />
<gap:splash gap:platform="ios" height="768" src="res/screen/ios/
screen-ipad-landscape.png" width="1024" />
<gap:splash gap:platform="winphone" src="res/screen/windows-
phone/screen-portrait.jpg" />
<access origin="http://127.0.0.1*" />
</widget>
```

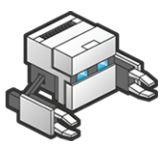


icon.png

(128x128)

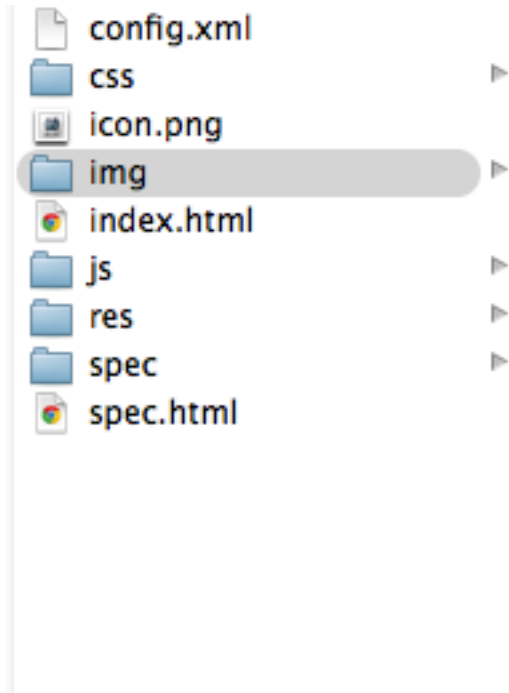


<icon src="icon.png" />

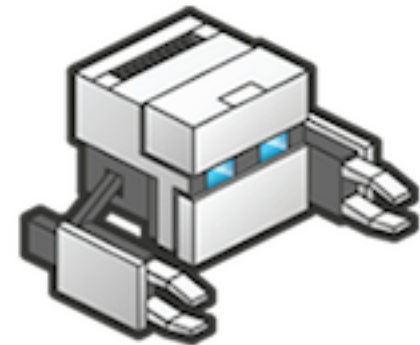


logo.png

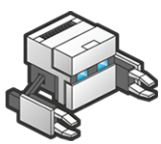
(172x200)



 logo.png

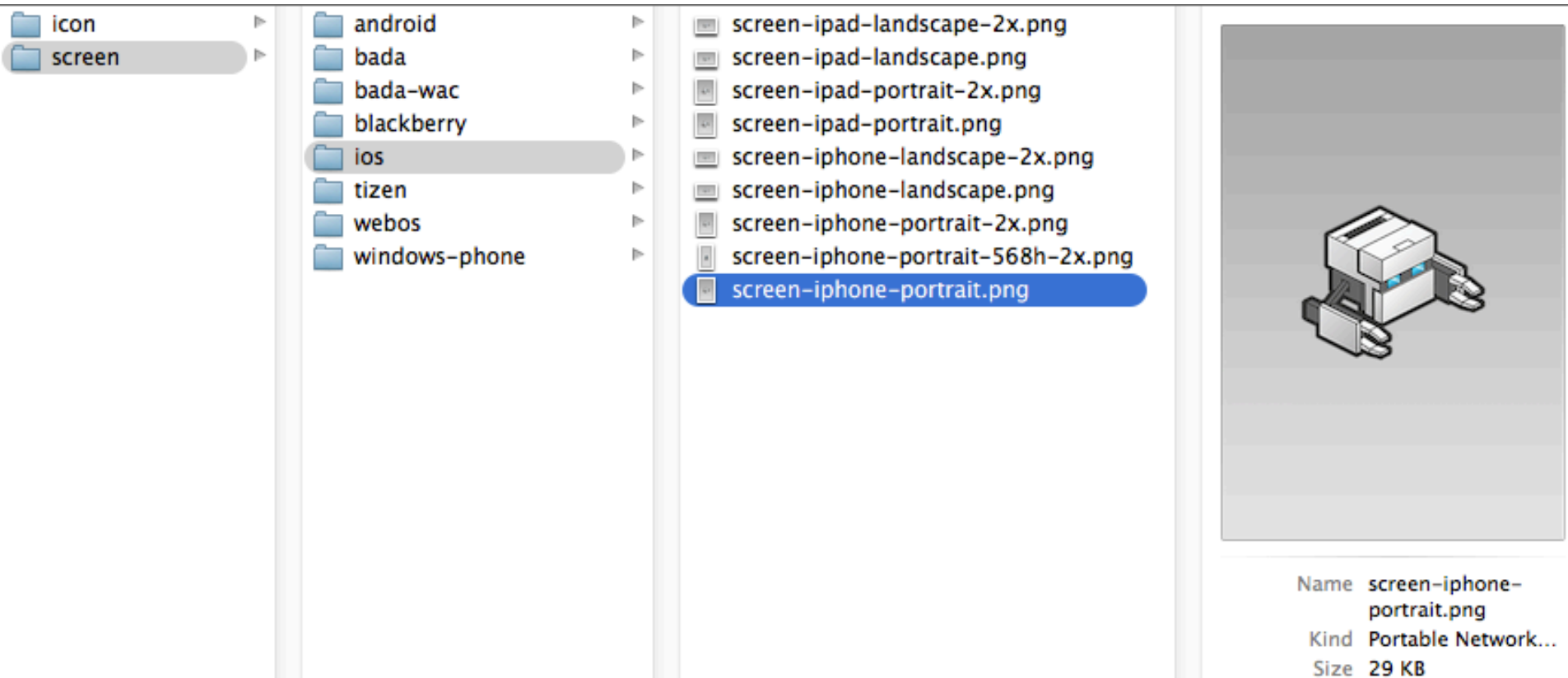


Name	logo.png
Kind	Portable Network...
Size	30 KB

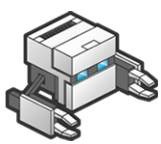


screen-iphone-portrait.png

(320x480)

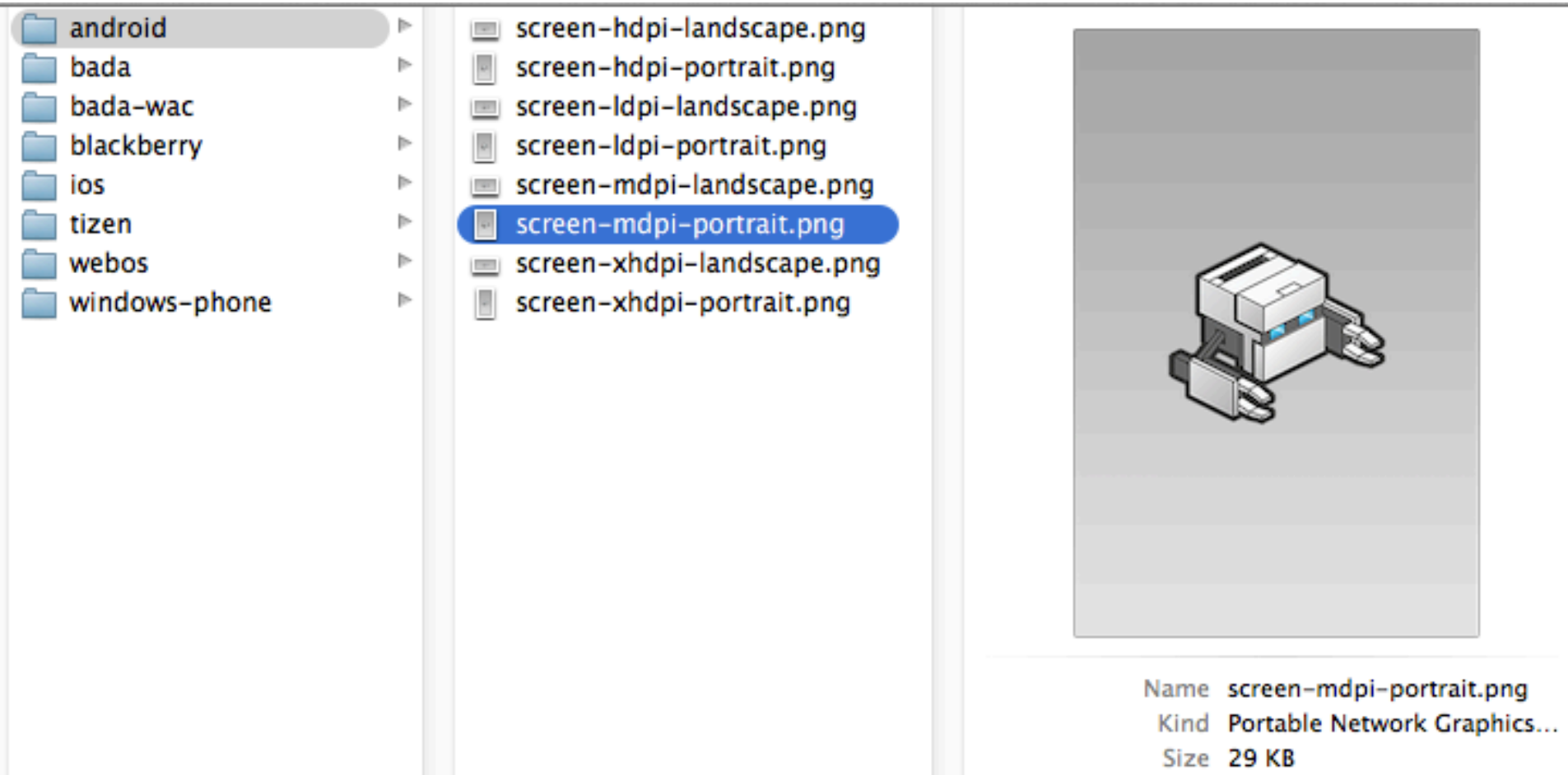


```
<gap:splash gap:platform="ios" height="480" src="res/  
screen/ios/screen-iphone-portrait.png  
width="320" />
```



screen-mdpi-portrait.png

(320x480)



```
<gap:splash gap:density="mdpi" gap:platform="android" src="res/  
screen/android/screen-mdpi-portrait.png" />
```


Generate icon online

Quirco [Quirco - iPhone So x

www.quirco.com/iPhoneIcon/Preview/a2b9299b-e842-4f7e-b641-58d26bb995a8

quirco

iPhone Icon Maker News Cash Stream Guitar Notes Trainer Support

View Generated Icon

Generate another icon

Recommend Send Be the first of your friends to recommend this.

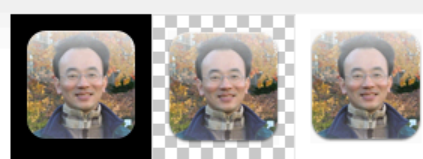
iPhone Preview



57x57 (iPhone) [download](#)



72x72 (iPad, iPad 2) [download](#)

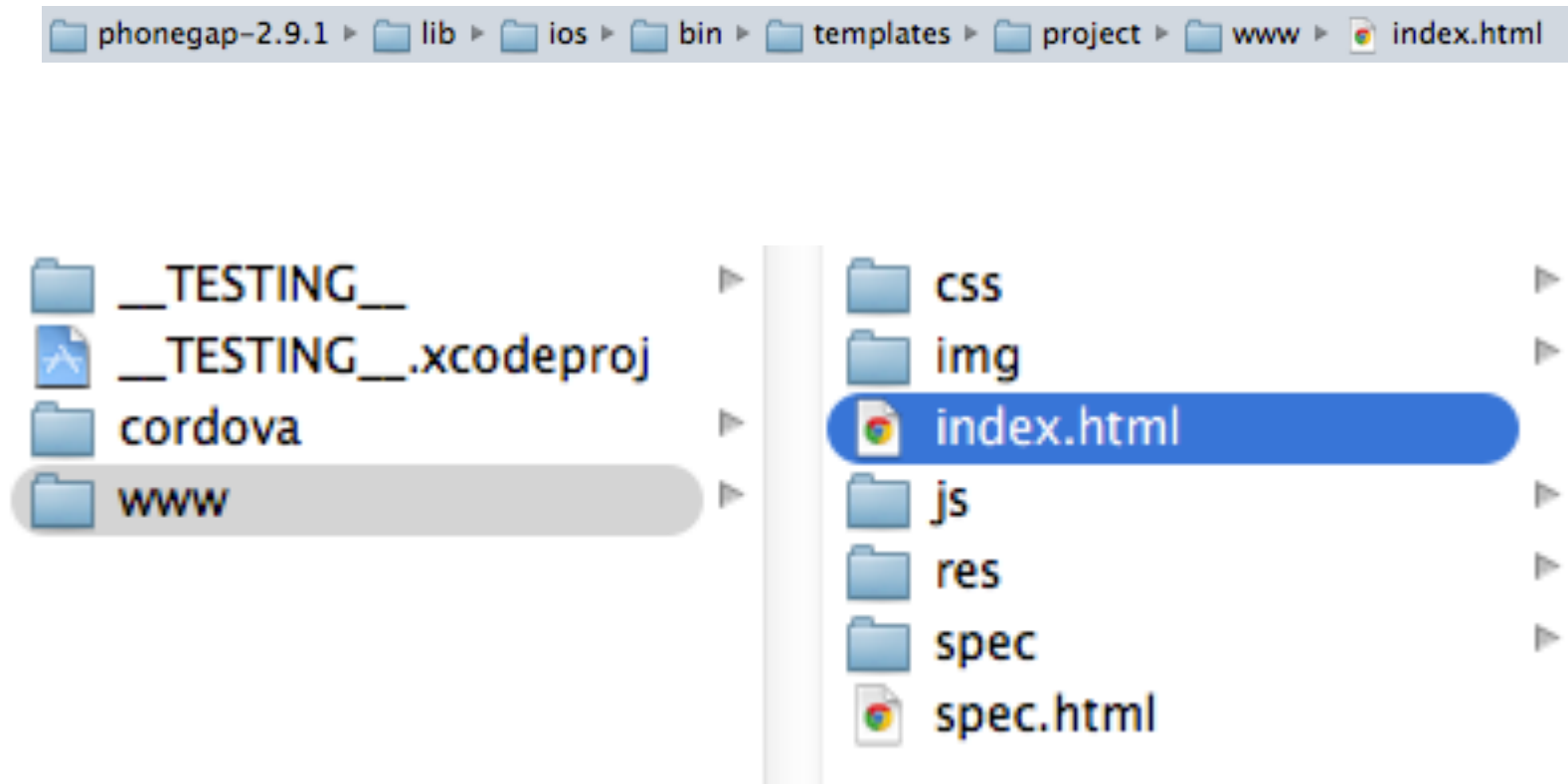


114x114 (iPhone 4, iPhone 5 and iPad 3) [download](#)



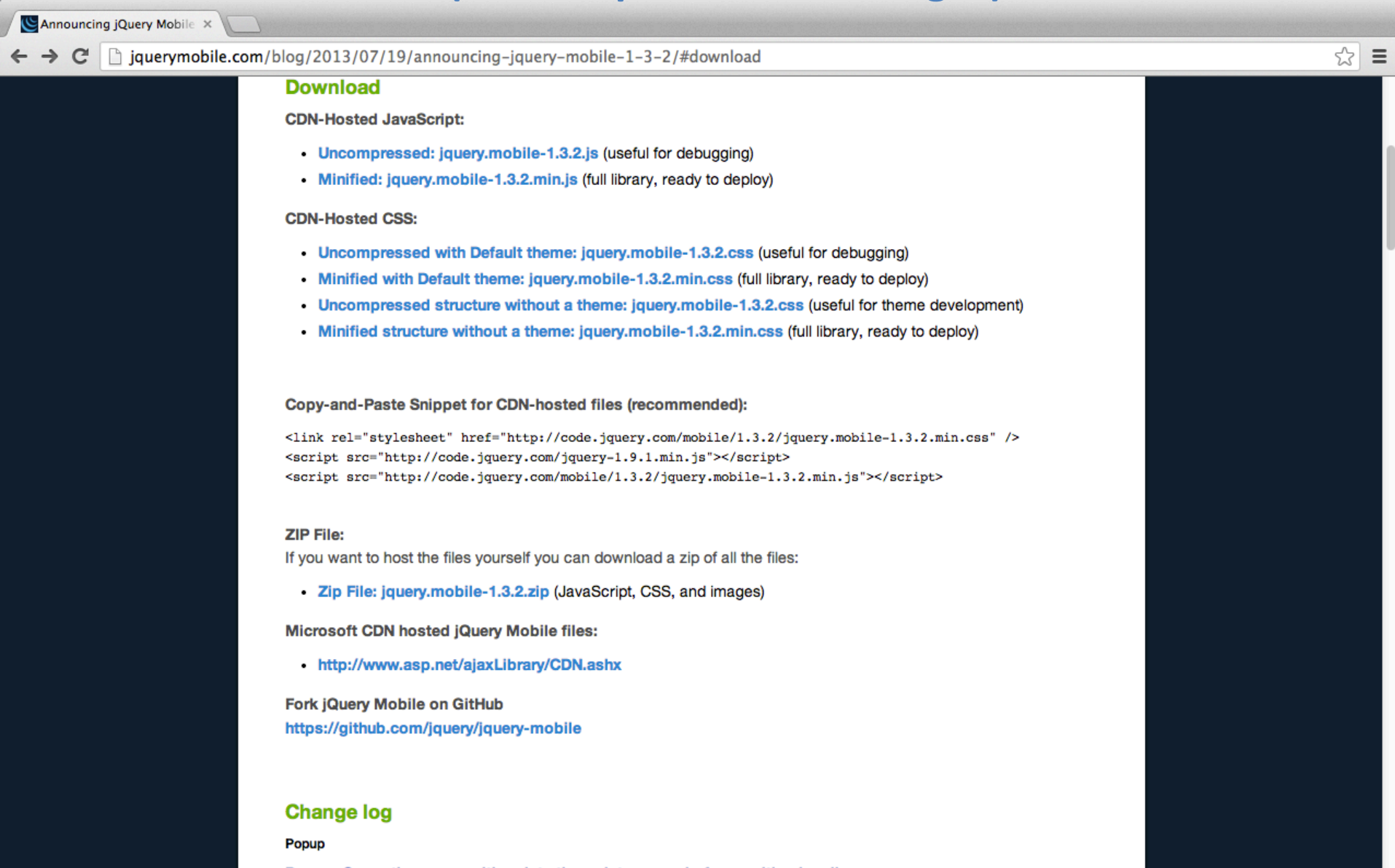
<http://www.quirco.com/iPhoneIcon>

phonegap-2.9.1/lib/ios/bin/templates/ project/www/index.html



```
<html>
  <head>
    <meta charset="utf-8" />
    <meta name="format-detection" content="telephone=no" />
    <meta name="viewport" content="user-scalable=no, initial-scale=1, maximum-scale=1,
minimum-scale=1, width=device-width, height=device-height, target-densitydpi=device-dpi" />
    <link rel="stylesheet" type="text/css" href="css/index.css" />
    <title>Hello World</title>
  </head>
  <body>
    <div class="app">
      <h1>PhoneGap</h1>
      <div id="deviceready" class="blink">
        <p class="event listening">Connecting to Device</p>
        <p class="event received">Device is Ready</p>
      </div>
    </div>
    <script type="text/javascript" src="phonegap.js"></script>
    <script type="text/javascript" src="js/index.js"></script>
    <script type="text/javascript">
      app.initialize();
    </script>
  </body>
</html>
```

Download Zip File: jquery.mobile-1.3.2.zip (JavaScript, CSS, and images)



The screenshot shows a web browser window with the address bar displaying `jquerymobile.com/blog/2013/07/19/announcing-jquery-mobile-1-3-2/#download`. The page content is as follows:

Download

CDN-Hosted JavaScript:

- **Uncompressed:** [jquery.mobile-1.3.2.js](#) (useful for debugging)
- **Minified:** [jquery.mobile-1.3.2.min.js](#) (full library, ready to deploy)

CDN-Hosted CSS:

- **Uncompressed with Default theme:** [jquery.mobile-1.3.2.css](#) (useful for debugging)
- **Minified with Default theme:** [jquery.mobile-1.3.2.min.css](#) (full library, ready to deploy)
- **Uncompressed structure without a theme:** [jquery.mobile-1.3.2.css](#) (useful for theme development)
- **Minified structure without a theme:** [jquery.mobile-1.3.2.min.css](#) (full library, ready to deploy)

Copy-and-Paste Snippet for CDN-hosted files (recommended):

```
<link rel="stylesheet" href="http://code.jquery.com/mobile/1.3.2/jquery.mobile-1.3.2.min.css" />
<script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
<script src="http://code.jquery.com/mobile/1.3.2/jquery.mobile-1.3.2.min.js"></script>
```

ZIP File:

If you want to host the files yourself you can download a zip of all the files:

- **Zip File:** [jquery.mobile-1.3.2.zip](#) (JavaScript, CSS, and images)

Microsoft CDN hosted jQuery Mobile files:

- <http://www.asp.net/ajaxLibrary/CDN.ashx>

Fork jQuery Mobile on GitHub

<https://github.com/jquery/jquery-mobile>

Change log

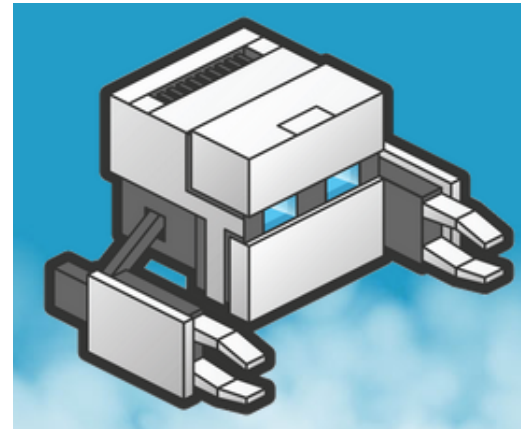
Popup

jQuery: Something goes wrong with the data through the jQuery Mobile headers

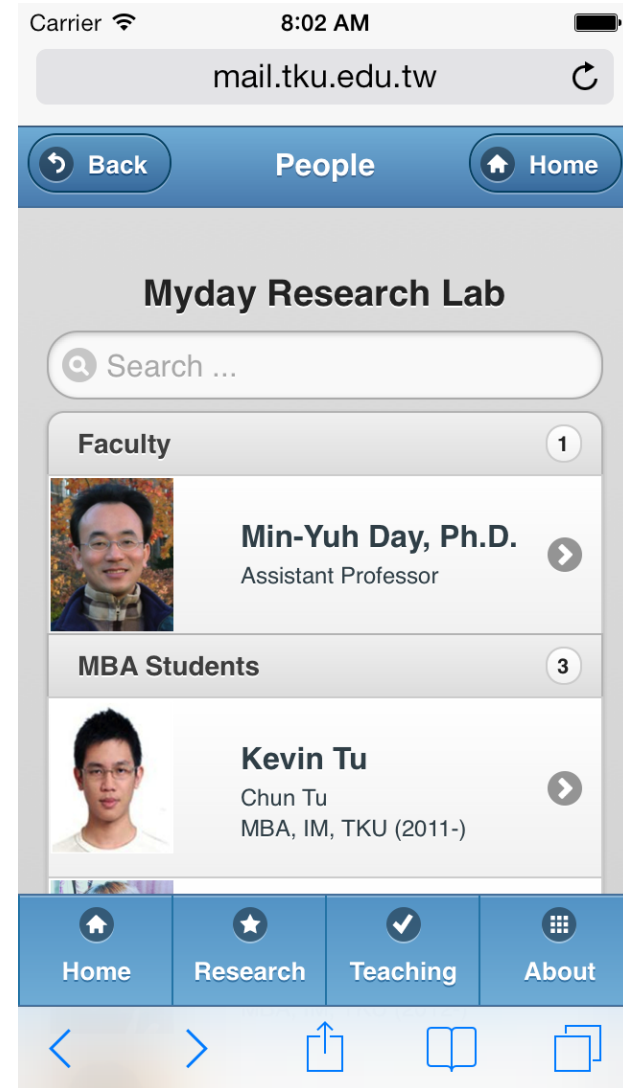
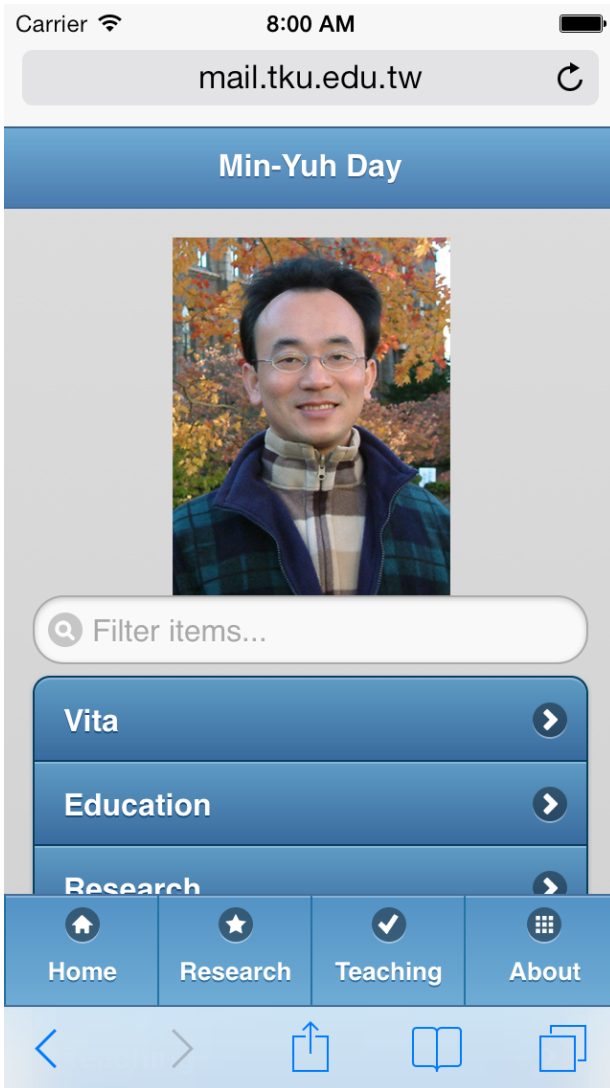
Demo

Create Hybrid Apps with PhoneGap

<https://build.phonegap.com/>



Myday Mobile App -> Hybrid App

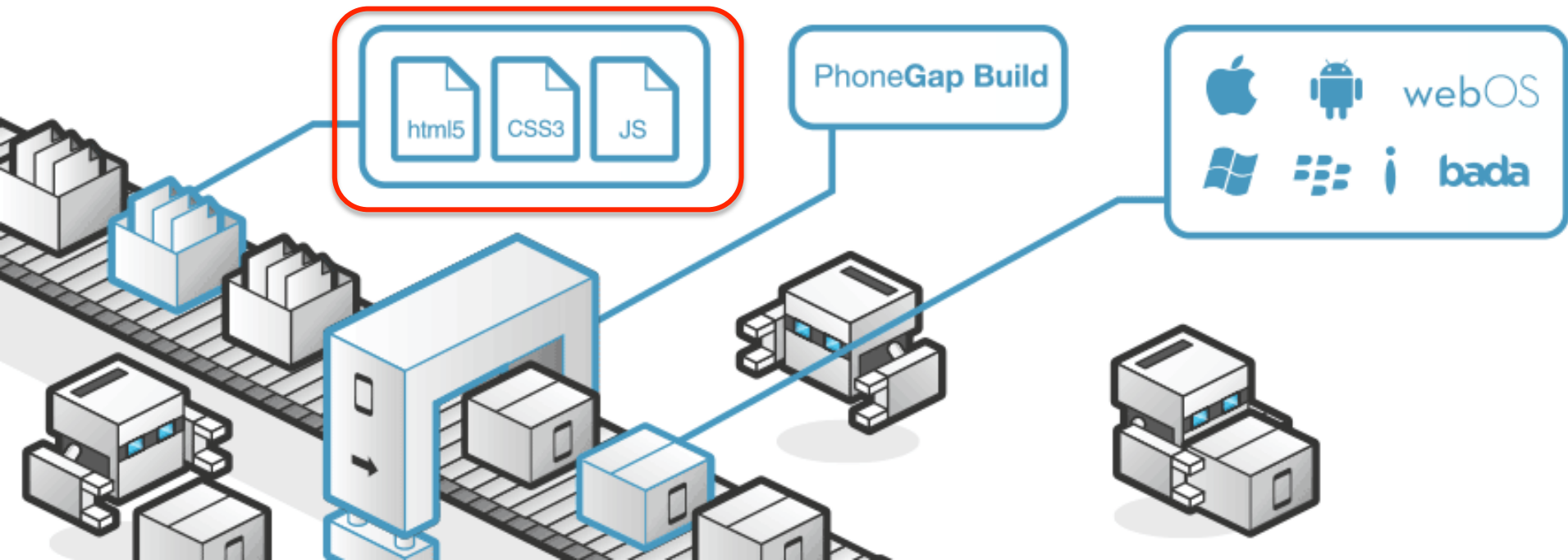


<http://mail.tku.edu.tw/myday/m>

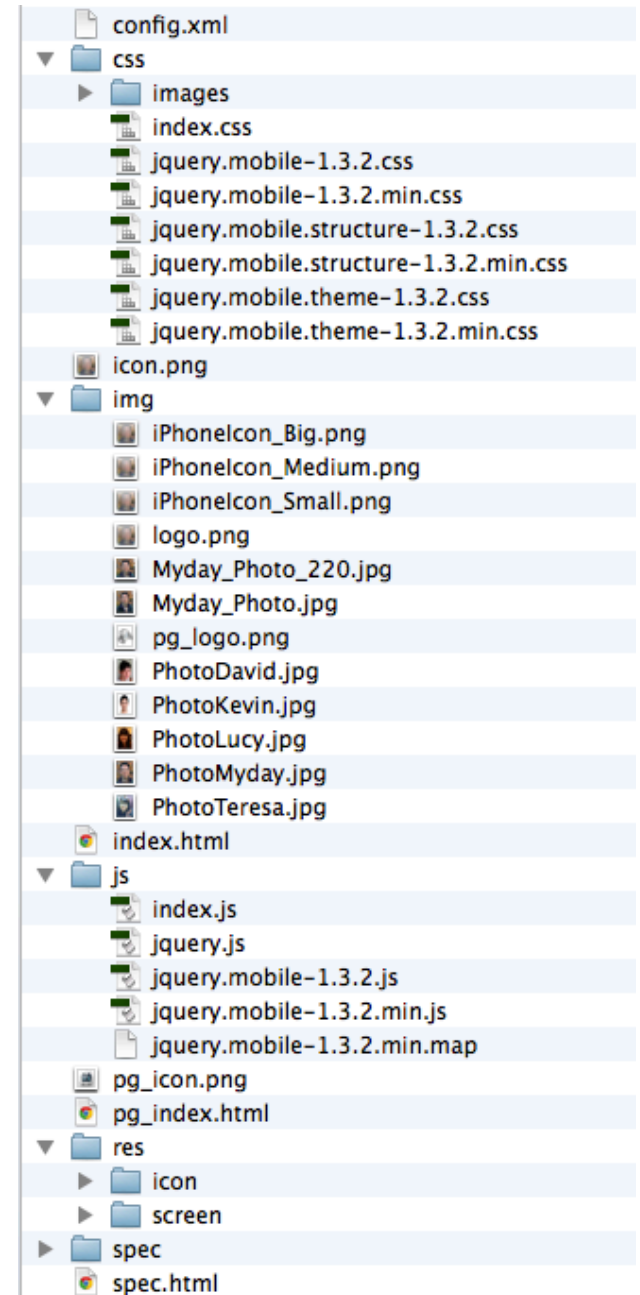
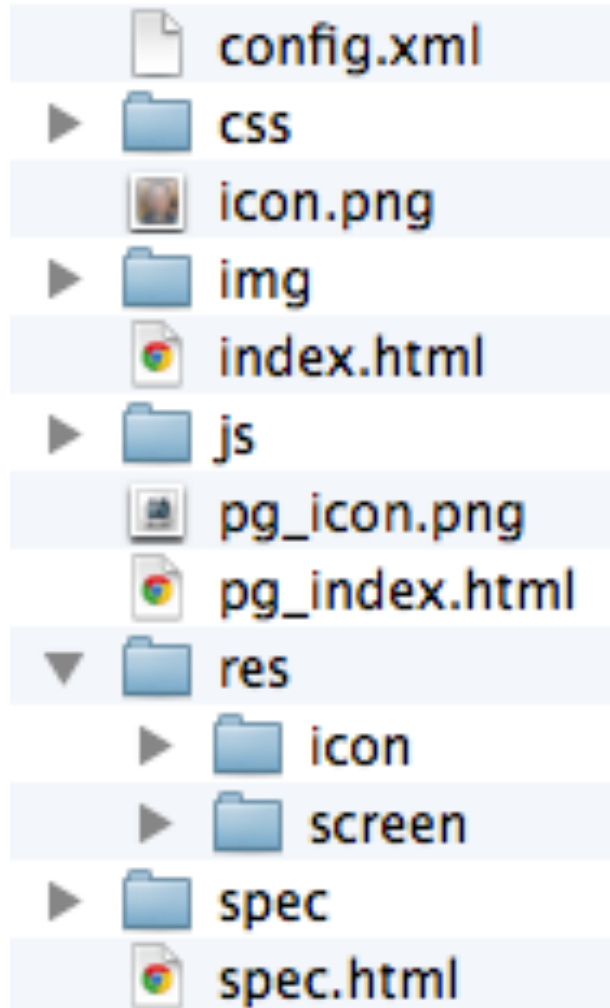
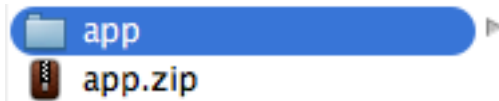


<http://mail.tku.edu.tw/myday/app/>

PhoneGap Build



app.zip

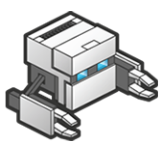


config.xml

config.xml

```
1 <?xml version='1.0' encoding='utf-8'?>
2 <widget id="com.imtku.smap.mydaymobileapp" version="1.0.0" xmlns="http://www.w3.org/ns/widgets" xmlns:gap="http://phonegap.com/ns/1.0">
3   <name>Myday Mobile App</name>
4   <description>
5     Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University
6   </description>
7   <author email="myday@mail.tku.edu.tw" href="http://mail.tku.edu.tw/myday">
8     Min-Yuh Day
9   </author>
```

```
<?xml version='1.0' encoding='utf-8'?>
<widget id="com.imtku.smap.mydaymobileapp" version="1.0.0" xmlns="http://
www.w3.org/ns/widgets" xmlns:gap="http://phonegap.com/ns/1.0">
  <name>Myday Mobile App</name>
  <description>
    Myday Mobile App for Prof. Min-Yuh Day, Department of Information
Management, Tamkang University
  </description>
  <author email="myday@mail.tku.edu.tw" href="http://mail.tku.edu.tw/myday">
    Min-Yuh Day
  </author>
```



Install PhoneGap

PhoneGap | Install PhoneG x

phonegap.com/install/

PhoneGap About Developer Community Apps Enterprise

[We're Hiring!](#)

[Install](#)

Install PhoneGap

Install

To Install, ensure that you have [NodeJS](#) installed, then open your commandline and run the following:

```
$ sudo npm install -g phonegap
```

Once installation completes, you can invoke **phonegap** on command line for further help.

Usage

```
$ phonegap create my-app
$ cd my-app
$ phonegap run android
```

Learn more at docs.phonegap.com

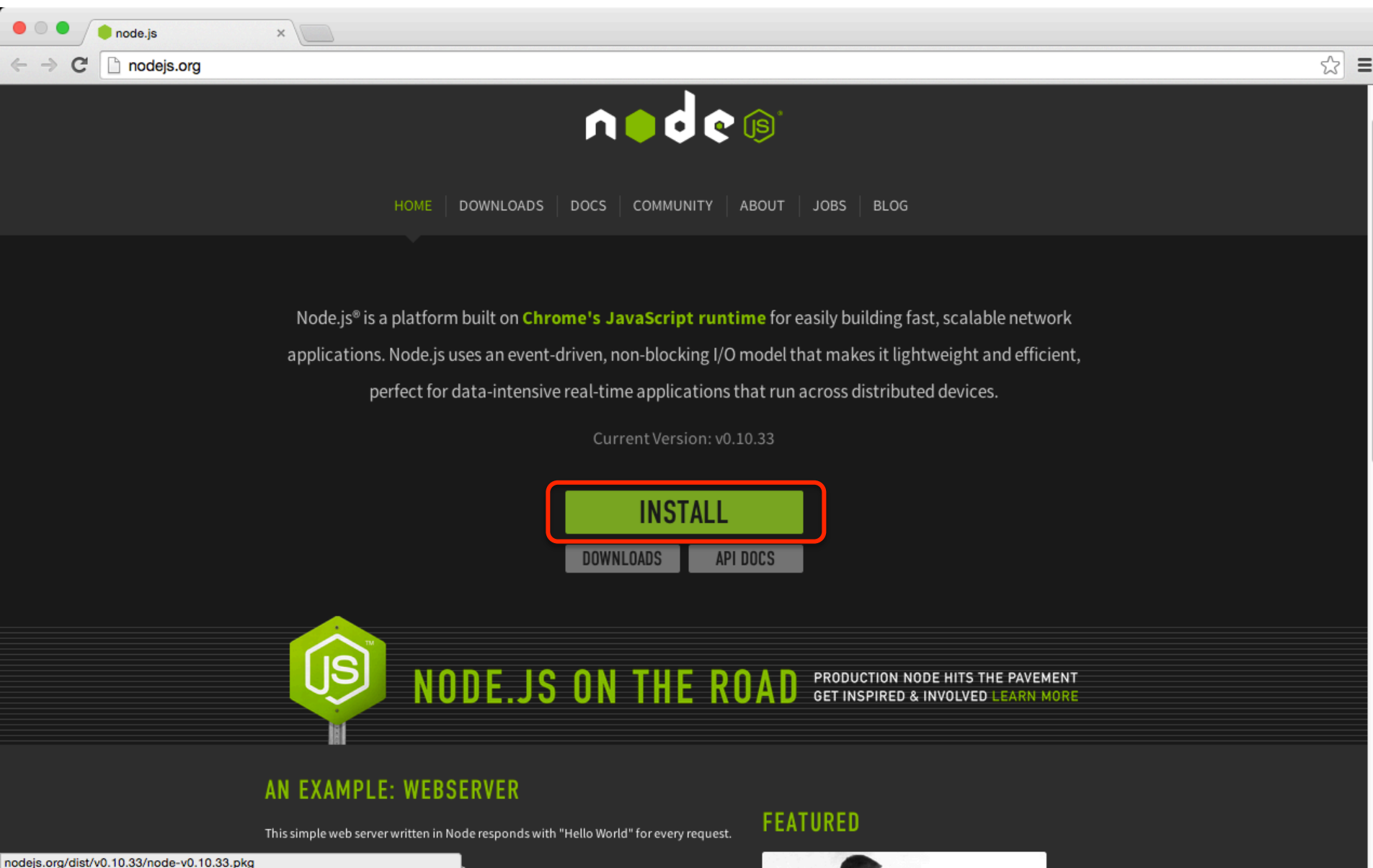
Archives

PhoneGap 2.9.1 Released 05 Nov 2013	PhoneGap 2.9.0 Released 26 Jun 2013	PhoneGap 2.8.1 Released 12 Jun 2013
---	---	---

<http://phonegap.com/install/>



NodeJS



The screenshot shows the Node.js website homepage. At the top, there's a navigation bar with links: HOME, DOWNLOADS, DOCS, COMMUNITY, ABOUT, JOBS, and BLOG. The main content area features a description of Node.js as a platform built on Chrome's JavaScript runtime. Below this, the current version is listed as v0.10.33. A prominent green button labeled 'INSTALL' is highlighted with a red rectangle. Below the 'INSTALL' button are two smaller buttons: 'DOWNLOADS' and 'API DOCS'. Further down, there's a section titled 'NODE.JS ON THE ROAD' with a sub-header 'AN EXAMPLE: WEBSERVER' and a brief description of a simple web server. To the right of this section is a 'FEATURED' section.

node.js

nodejs.org

node

HOME | DOWNLOADS | DOCS | COMMUNITY | ABOUT | JOBS | BLOG

Node.js® is a platform built on **Chrome's JavaScript runtime** for easily building fast, scalable network applications. Node.js uses an event-driven, non-blocking I/O model that makes it lightweight and efficient, perfect for data-intensive real-time applications that run across distributed devices.

Current Version: v0.10.33

INSTALL

DOWNLOADS | API DOCS

NODE.JS ON THE ROAD PRODUCTION NODE HITS THE PAVEMENT
GET INSPIRED & INVOLVED [LEARN MORE](#)

AN EXAMPLE: WEBSERVER

This simple web server written in Node responds with "Hello World" for every request.

FEATURED

nodejs.org/dist/v0.10.33/node-v0.10.33.pkg

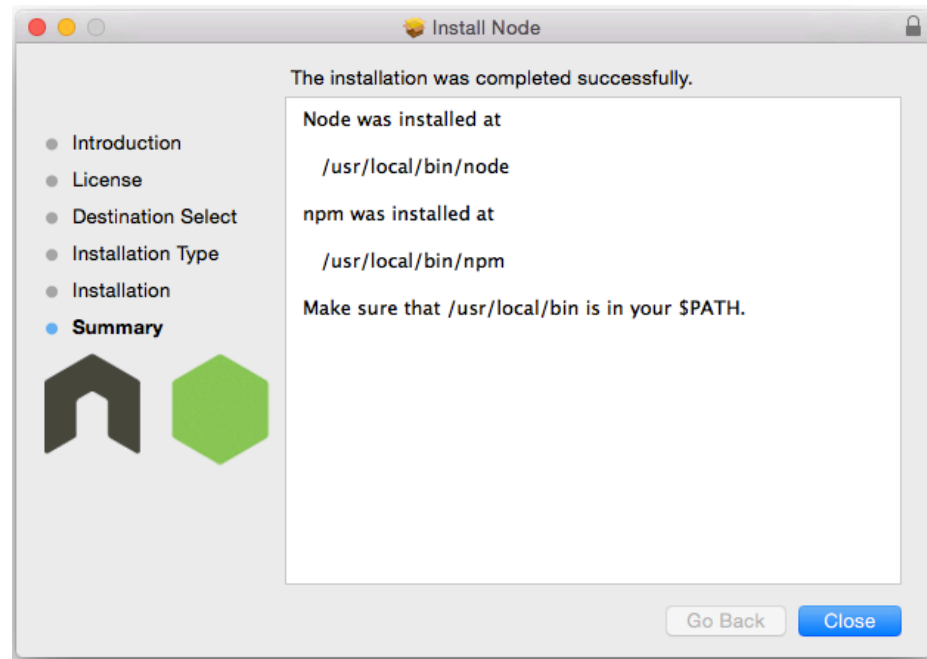
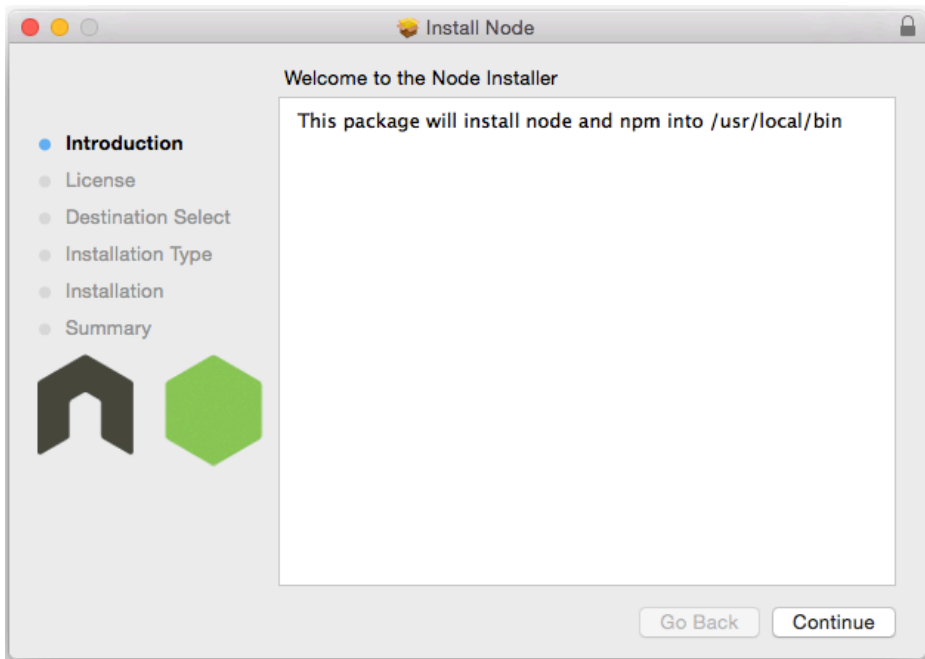


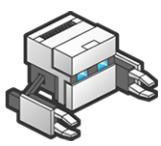
Install NodeJS



node-v0.10.33.pkg

10.2 MB





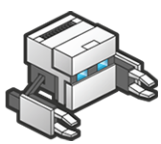
PhoneGape Install

\$ **sudo npm install -g phonegap**

```
npm http 304 https://registry.npmjs.org/bytes/0.1.0
npm http 304 https://registry.npmjs.org/qs/0.5.1
npm http 304 https://registry.npmjs.org/formidable/1.0.11
npm http GET https://registry.npmjs.org/abbrev
npm http GET https://registry.npmjs.org/optimist
npm http GET https://registry.npmjs.org/underscore/1.2.1
npm http GET https://registry.npmjs.org/ini
npm http GET https://registry.npmjs.org/deep-extend
npm http GET https://registry.npmjs.org/fstream
npm http GET https://registry.npmjs.org/commander
npm http GET https://registry.npmjs.org/pegjs/0.6.2
npm http GET https://registry.npmjs.org/node-uuid/1.3.3
npm http 304 https://registry.npmjs.org/underscore/1.2.1
npm http 304 https://registry.npmjs.org/abbrev
npm http 304 https://registry.npmjs.org/ini
npm http 304 https://registry.npmjs.org/deep-extend
npm http 304 https://registry.npmjs.org/optimist
npm http 304 https://registry.npmjs.org/fstream
npm http 304 https://registry.npmjs.org/commander
npm http 304 https://registry.npmjs.org/node-uuid/1.3.3
npm http 304 https://registry.npmjs.org/pegjs/0.6.2
npm http GET https://registry.npmjs.org/wordwrap
npm http GET https://registry.npmjs.org/keypress
npm http GET https://registry.npmjs.org/rimraf
npm http GET https://registry.npmjs.org/inherits
npm http GET https://registry.npmjs.org/mkdirp
npm http GET https://registry.npmjs.org/graceful-fs
npm http 304 https://registry.npmjs.org/wordwrap
npm http 304 https://registry.npmjs.org/keypress
npm http 304 https://registry.npmjs.org/rimraf
npm http 304 https://registry.npmjs.org/inherits
npm http 304 https://registry.npmjs.org/mkdirp
npm http 304 https://registry.npmjs.org/graceful-fs
/usr/local/bin/phonegap -> /usr/local/lib/node_modules/phonegap/bin/phonegap.js
phonegap@3.1.0-0.15.0 /usr/local/lib/node_modules/phonegap
├── colors@0.6.0-1
├── pluralize@0.0.4
├── semver@1.1.0
├── qrcode-terminal@0.9.4
├── shelljs@0.1.4
├── optimist@0.6.0 (minimist@0.0.5, wordwrap@0.0.2)
├── node-static@0.7.0 (colors@0.6.2, mime@1.2.11)
├── prompt@0.2.11 (revalidator@0.1.5, pkginfo@0.3.0, read@1.0.5, winston@0.6.2,
util@0.2.0)
├── phonegap-build@0.8.4 (qrcode-terminal@0.8.0, shelljs@0.0.9, optimist@0.3.7,
phonegap-build-api@0.3.3)
├── cordova@3.1.0-0.1.0 (ncallbacks@1.0.0, colors@0.6.2, open@0.0.3, mime@1.2.11
, follow-redirects@0.0.3, shelljs@0.1.2, xcode@0.5.1, tar@0.1.18, elementtree@0.
1.5, glob@3.2.7, prompt@0.2.7, express@3.0.0, request@2.22.0, npm@1.3.14, plist@
0.4.3, ripple-emulator@0.9.18, plugman@0.13.0)
pc16:development imydays
```



npm (Node Package Manager)



PhoneGape Install

\$ **sudo npm install -g phonegap**

Desktop — bash — 80x24

```
pc248:desktop imyday$ sudo npm install -g phonegap
```

WARNING: Improper use of the sudo command could lead to data loss or the deletion of important system files. Please double-check your typing when using sudo. Type "man sudo" for more information.

To proceed, enter your password, or type Ctrl-C to abort.

Password:

```
npm WARN deprecated deflate-crc32-stream@0.1.2: module has been merged into crc32-stream
```

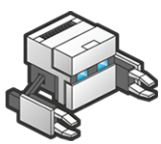
```
> ws@0.4.31 install /usr/local/lib/node_modules/phonegap/node_modules/connect-phonegap/node_modules/socket.io/node_modules/engine.io/node_modules/ws
> (node-gyp rebuild 2> builderror.log) || (exit 0)
```

```
CXX(target) Release/obj.target/bufferutil/src/bufferutil.o
SOLINK_MODULE(target) Release/bufferutil.node
SOLINK_MODULE(target) Release/bufferutil.node: Finished
CXX(target) Release/obj.target/validation/src/validation.o
SOLINK_MODULE(target) Release/validation.node
SOLINK_MODULE(target) Release/validation.node: Finished
```

```
> ws@0.4.31 install /usr/local/lib/node_modules/phonegap/node_modules/connect-ph
```

Desktop — bash — 80x24

```
CXX(target) Release/obj.target/validation/src/validation.o
SOLINK_MODULE(target) Release/validation.node
SOLINK_MODULE(target) Release/validation.node: Finished
phonegap@3.6.0-0.21.19 /usr/local/lib/node_modules/phonegap
├─ pluralize@0.0.4
├─ colors@0.6.0-1
├─ semver@1.1.0
├─ minimist@0.1.0
├─ qrcode-terminal@0.9.4
├─ shelljs@0.1.4
├─ phonegap-build@0.8.4 (qrcode-terminal@0.8.0, shelljs@0.0.9, phonegap-build-a
pi@0.3.3, optimist@0.3.7)
├─ prompt@0.2.11 (revalidator@0.1.8, pkginfo@0.3.0, read@1.0.5, winston@0.6.2,
utile@0.2.1)
├─ cordova-lib@0.21.13 (osenv@0.0.3, properties-parser@0.2.3, bplist-parser@0.0
.6, mime@1.2.11, q@0.9.7, semver@2.0.11, unorm@1.3.3, underscore@1.4.4, dep-grap
h@1.1.0, rc@0.3.0, xcode@0.6.7, npmconf@0.1.16, elementtree@0.1.5, glob@3.2.11,
tar@0.1.20, request@2.22.0, npm@1.3.4, plist@1.0.1, cordova-js@3.6.4)
├─ connect-phonegap@0.13.0 (home-dir@0.1.2, connect-inject@0.3.2, ip@0.3.1, mkp
ath@0.1.0, ncp@0.6.0, findit@2.0.0, shelljs@0.2.6, request-progress@0.3.1, node-
static@0.7.0, gaze@0.4.3, localtunnel@1.3.0, tar@0.1.19, request@2.33.0, archive
r@0.10.1, useragent@2.0.8, connect@2.12.0, socket.io@1.0.6)
pc248:desktop imyday$
```



PhoneGape Usage

```
$ phonegap create myapp
```

```
[phonegap] missing library phonegap/www/3.1.0
```

```
[phonegap] downloading https://github.com/phonegap/  
phonegap-app-hello-world/archive/3.1.0.tar.gz...
```

```
[phonegap] created project at /Users/imyday/  
Development/myapp
```

```
$ cd myapp
```

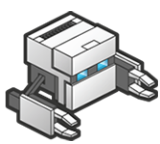
```
$ phonegap run android
```

```
[phonegap] detecting Android SDK environment...
```

```
[phonegap] using the remote environment
```

```
[phonegap] compressing the app...
```

```
[phonegap] uploading the app...
```



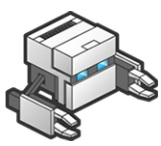
PhoneGap Usage

```
myapp — bash — 100x32

pc248:desktop imyday$ phonegap create myapp
[phonegap] missing library com.phonegap.helloworld/www/3.6.0
[phonegap] downloading https://github.com/phonegap/phonegap-app-hello-world/archive/3.6.0.tar.gz...
[phonegap] create called with the options /Users/imyday/Desktop/myapp com.phonegap.helloworld HelloW
orld
[phonegap] Customizing default config.xml file
[phonegap] created project at /Users/imyday/Desktop/myapp
pc248:desktop imyday$ cd myapp
pc248:myapp imyday$ phonegap run android
[phonegap] detecting Android SDK environment...
[phonegap] using the local environment
[phonegap] adding the Android platform...
npm http GET https://registry.npmjs.org/cordova-android/3.6.3
npm http 200 https://registry.npmjs.org/cordova-android/3.6.3
npm http GET https://registry.npmjs.org/cordova-android/-/cordova-android-3.6.3.tgz
npm http 200 https://registry.npmjs.org/cordova-android/-/cordova-android-3.6.3.tgz

/Users/imyday/.cordova/lib/npm_cache/cordova-android/3.6.3/package/bin/node_modules/q/q.js:126
    throw e;
    ^

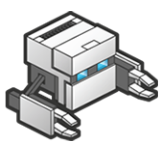
Error: ANDROID_HOME is not set and "android" command not in your PATH. You must fulfill at least one
of these conditions.
    at /Users/imyday/.cordova/lib/npm_cache/cordova-android/3.6.3/package/bin/lib/check_reqs.js:158:
19
    at _fulfilled (/Users/imyday/.cordova/lib/npm_cache/cordova-android/3.6.3/package/bin/node_modul
es/q/q.js:798:54)
    at self.promiseDispatch.done (/Users/imyday/.cordova/lib/npm_cache/cordova-android/3.6.3/package
/bin/node_modules/q/q.js:827:30)
    at Promise.promise.promiseDispatch (/Users/imyday/.cordova/lib/npm_cache/cordova-android/3.6.3/p
ackage/bin/node_modules/q/q.js:760:13)
    at /Users/imyday/.cordova/lib/npm_cache/cordova-android/3.6.3/package/bin/node_modules/q/q.js:82
1:14
```

myapp/

Name	Size	Kind
 config.xml	5 KB	XML text
▶  hooks	--	Folder
▶  platforms	--	Folder
▶  plugins	--	Folder
▶  www	--	Folder

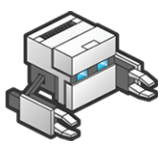
Macintosh HD ▶ Users ▶ imyday ▶ Desktop ▶ myapp



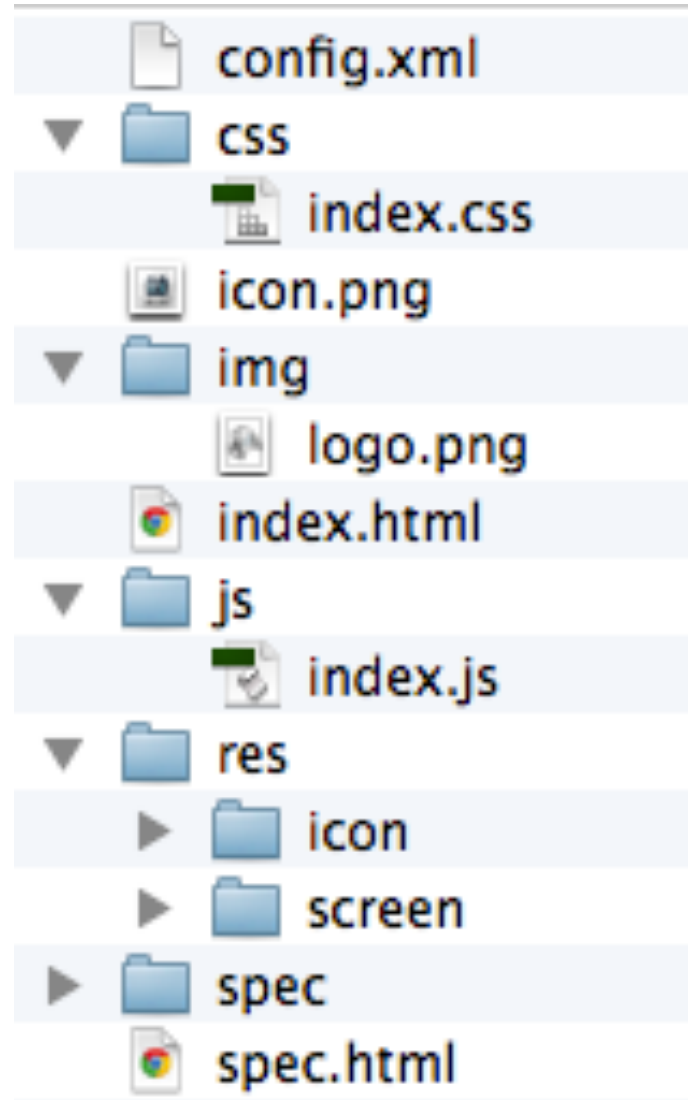
myapp/www/

Name	Size	Kind
▼  css	--	Folder
 index.css	4 KB	CSS
 icon.png	11 KB	PNG image
▼  img	--	Folder
 logo.png	30 KB	PNG image
 index.html	2 KB	HTML text
▼  js	--	Folder
 index.js	2 KB	JavaScript
▶  res	--	Folder
▶  spec	--	Folder
 spec.html	3 KB	HTML text

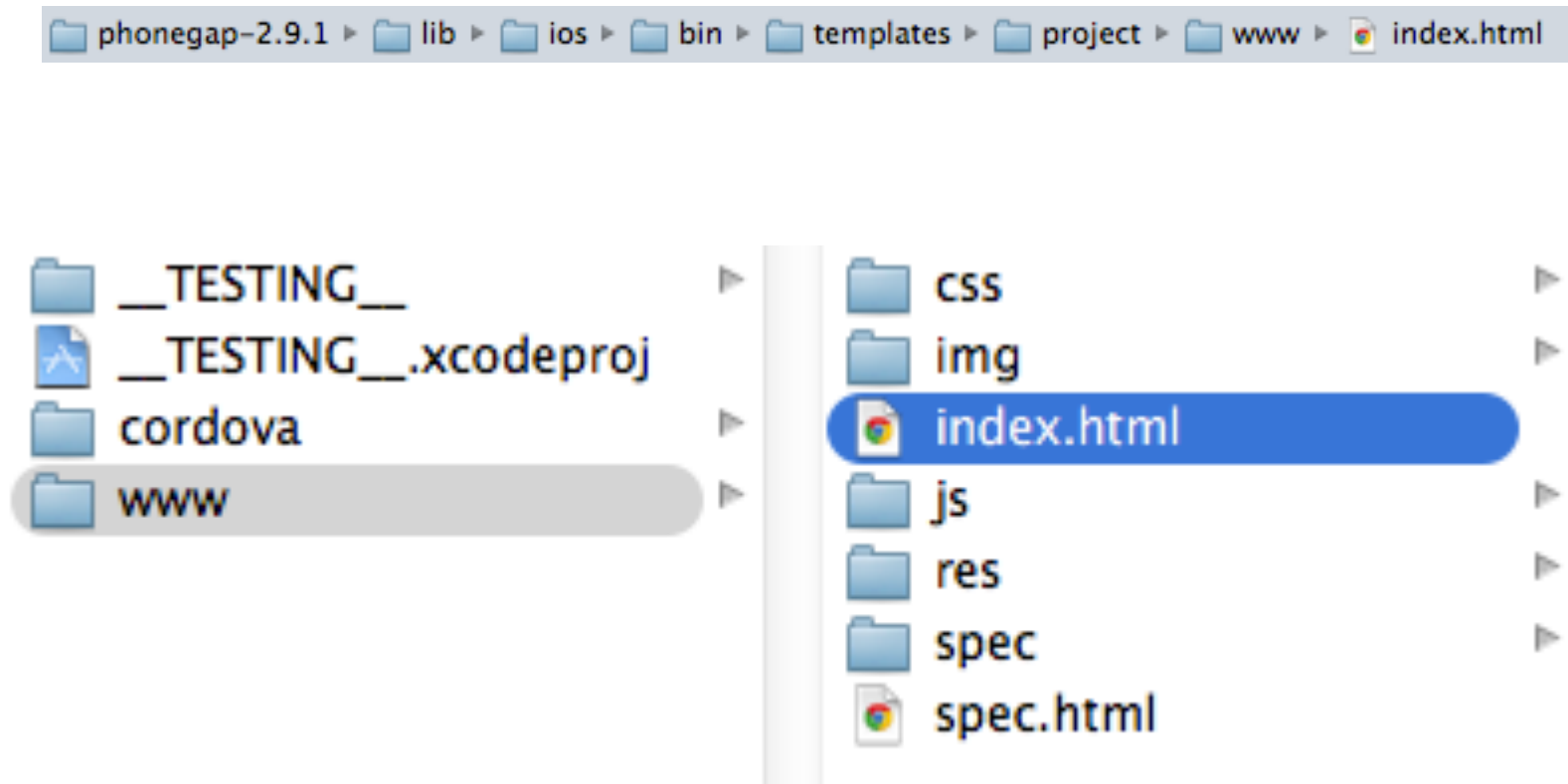
Macintosh HD ▶ Users ▶ imyday ▶ Desktop ▶ myapp ▶ www



myapp/www/



phonegap-2.9.1/lib/ios/bin/templates/ project/www/index.html



```
<html>
  <head>
    <meta charset="utf-8" />
    <meta name="format-detection" content="telephone=no" />
    <meta name="viewport" content="user-scalable=no, initial-scale=1, maximum-scale=1,
minimum-scale=1, width=device-width, height=device-height, target-densitydpi=device-dpi" />
    <link rel="stylesheet" type="text/css" href="css/index.css" />
    <title>Hello World</title>
  </head>
  <body>
    <div class="app">
      <h1>PhoneGap</h1>
      <div id="deviceready" class="blink">
        <p class="event listening">Connecting to Device</p>
        <p class="event received">Device is Ready</p>
      </div>
    </div>
    <script type="text/javascript" src="phonegap.js"></script>
    <script type="text/javascript" src="js/index.js"></script>
    <script type="text/javascript">
      app.initialize();
    </script>
  </body>
</html>
```

index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Min-Yuh Day Mobile App</title>
    <meta charset=utf-8 />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
    <link type="text/css" href="http://code.jquery.com/mobile/latest/jquery.mobile.min.css" rel="stylesheet" />
    <script type="text/javascript" src="http://code.jquery.com/mobile/latest/jquery.mobile.min.js"></script>
    <!--PhoneGap-->
    <link rel="stylesheet" type="text/css" href="css/index.css" />
    <script type="text/javascript" src="phonegap.js"></script>
    <script type="text/javascript" src="js/index.js"></script>
    <!--/PhoneGap-->
    <script type="text/javascript">
      app.initialize();
    </script>
  </head>
  <body>
    <div data-role="page" id="MyHome" data-theme="b">
      <div data-role="header" data-theme="b">
        <h1>Min-Yuh Day</h1>
      </div><!-- /header -->

      <div data-role="content">
        <div style="text-align:center">
          
        </div>
      </div>
    </div>
  </body>
</html>
```

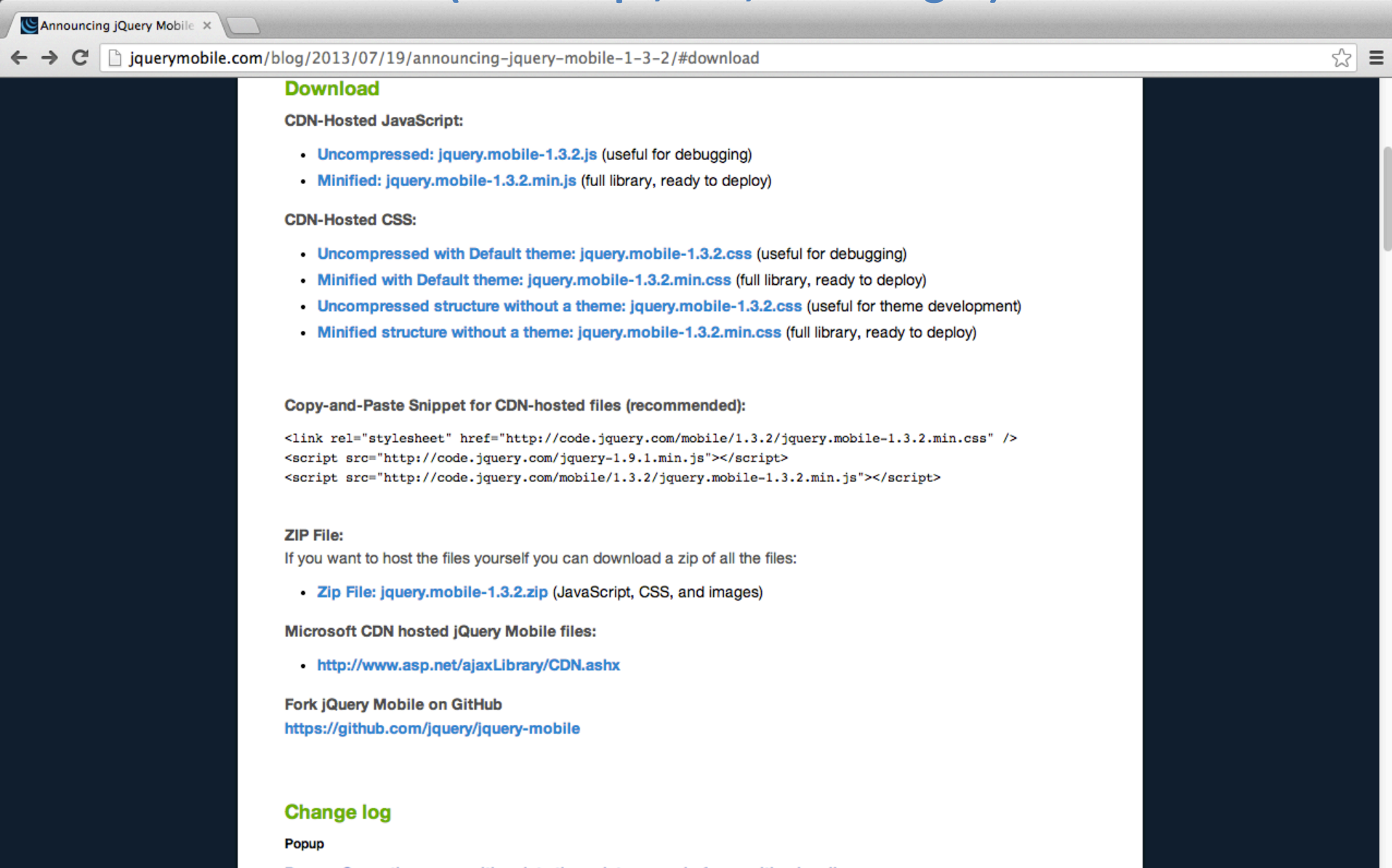
index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Min-Yuh Day Mobile App</title>
    <meta charset=utf-8 />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
    <link type="text/css" href="http://code.jquery.com/mobile/latest/
jquery.mobile.min.css" rel="stylesheet" />
    <script type="text/javascript" src="http://code.jquery.com/mobile/latest/
jquery.mobile.min.js"></script>
    <!--PhoneGap-->
    <link rel="stylesheet" type="text/css" href="css/index.css" />
    <script type="text/javascript" src="phonegap.js"></script>
    <script type="text/javascript" src="js/index.js"></script>
    <!--/PhoneGap-->
    <script type="text/javascript">
      app.initialize();
    </script>
  </head>
```

js/index.js

```
index.js  x
19  var app = {
20      // Application Constructor
21      initialize: function() {
22          this.bindEvents();
23      },
24      // Bind Event Listeners
25      //
26      // Bind any events that are required on startup. Common events are:
27      // 'load', 'deviceready', 'offline', and 'online'.
28      bindEvents: function() {
29          document.addEventListener('deviceready', this.onDeviceReady, false);
30      },
31      // deviceready Event Handler
32      //
33      // The scope of 'this' is the event. In order to call the 'receivedEvent'
34      // function, we must explicitly call 'app.receivedEvent(...)';
35      onDeviceReady: function() {
36          app.receivedEvent('deviceready');
37      },
38      // Update DOM on a Received Event
39      receivedEvent: function(id) {
40          var parentElement = document.getElementById(id);
41          var listeningElement = parentElement.querySelector('.listening');
42          var receivedElement = parentElement.querySelector('.received');
43
44          listeningElement.setAttribute('style', 'display:none;');
45          receivedElement.setAttribute('style', 'display:block;');
46
47          console.log('Received Event: ' + id);
48      }
49  };
```


Download Zip File: jquery.mobile-1.3.2.zip (JavaScript, CSS, and images)



The screenshot shows a web browser window with the address bar displaying `jquerymobile.com/blog/2013/07/19/announcing-jquery-mobile-1-3-2/#download`. The page content is as follows:

Download

CDN-Hosted JavaScript:

- **Uncompressed:** [jquery.mobile-1.3.2.js](#) (useful for debugging)
- **Minified:** [jquery.mobile-1.3.2.min.js](#) (full library, ready to deploy)

CDN-Hosted CSS:

- **Uncompressed with Default theme:** [jquery.mobile-1.3.2.css](#) (useful for debugging)
- **Minified with Default theme:** [jquery.mobile-1.3.2.min.css](#) (full library, ready to deploy)
- **Uncompressed structure without a theme:** [jquery.mobile-1.3.2.css](#) (useful for theme development)
- **Minified structure without a theme:** [jquery.mobile-1.3.2.min.css](#) (full library, ready to deploy)

Copy-and-Paste Snippet for CDN-hosted files (recommended):

```
<link rel="stylesheet" href="http://code.jquery.com/mobile/1.3.2/jquery.mobile-1.3.2.min.css" />
<script src="http://code.jquery.com/jquery-1.9.1.min.js"></script>
<script src="http://code.jquery.com/mobile/1.3.2/jquery.mobile-1.3.2.min.js"></script>
```

ZIP File:

If you want to host the files yourself you can download a zip of all the files:

- **Zip File:** [jquery.mobile-1.3.2.zip](#) (JavaScript, CSS, and images)

Microsoft CDN hosted jQuery Mobile files:

- <http://www.asp.net/ajaxLibrary/CDN.ashx>

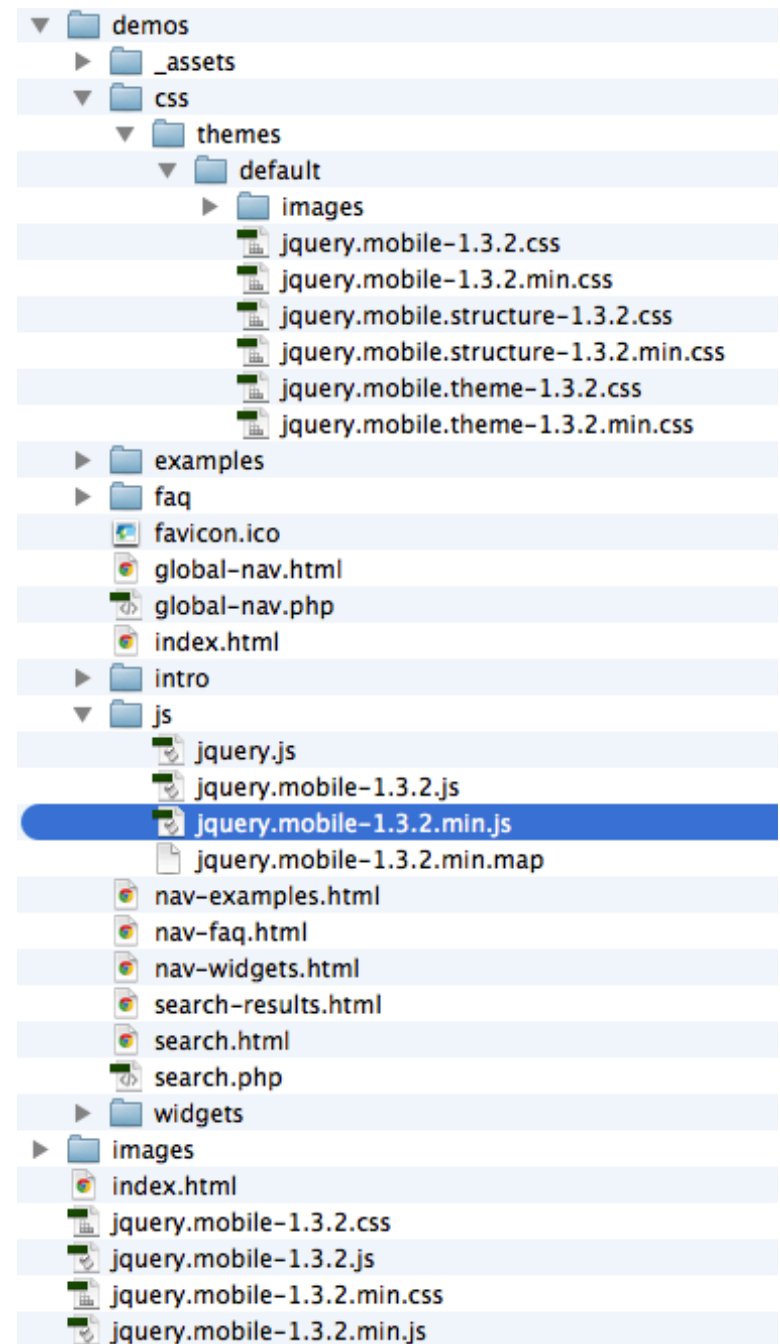
Fork jQuery Mobile on GitHub
<https://github.com/jquery/jquery-mobile>

Change log

Popup

jQuery: Something goes wrong with the data through the jQuery Mobile headers

jquery.mobile-1.3.2



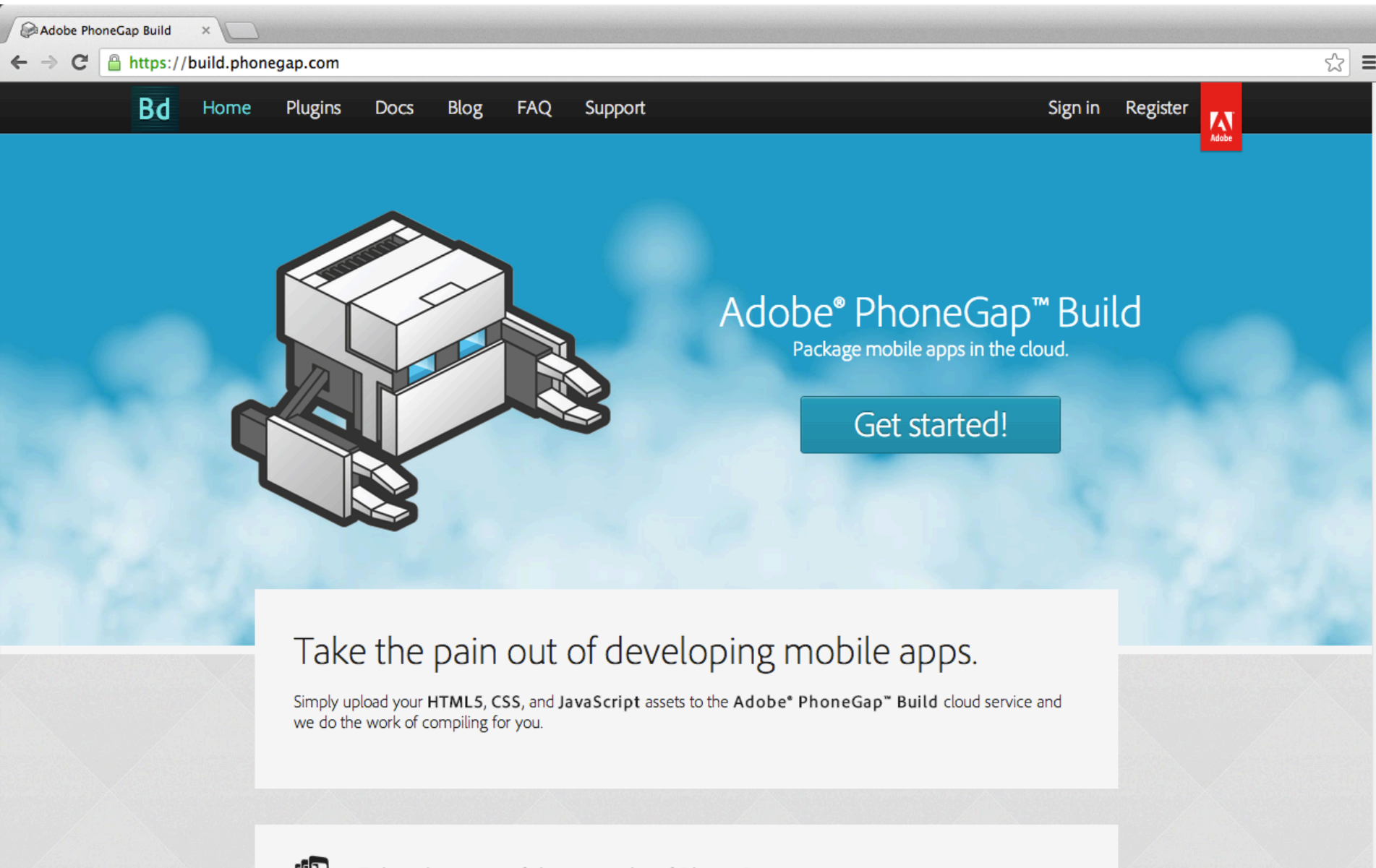
index.html

```
<!DOCTYPE html>
<html>
  <head>
    <title>Min-Yuh Day Mobile App</title>
    <meta charset=utf-8 />
    <meta name="viewport" content="width=device-width, initial-scale=1" />
    <script src="js/jquery.js"></script>
    <link type="text/css" href="css/jquery.mobile-1.3.2.min.css" rel="stylesheet" />
    <script type="text/javascript" src="js/jquery.mobile-1.3.2.min.js"></script>
    <!--PhoneGap-->
    <link rel="stylesheet" type="text/css" href="css/index.css" />
    <!--
    <script type="text/javascript" src="phonegap.js"></script>
    -->
    <script type="text/javascript" src="js/index.js"></script>
    <!--/PhoneGap-->

    <script type="text/javascript">
      app.initialize();
    </script>

  </head>
```

PhoneGap Build



<https://build.phonegap.com/>

PhoneGap Build

Adobe PhoneGap Build x

← → ↻ <https://build.phonegap.com/plans/paid> ☆ ☰

Bd Home Plugins Docs Blog FAQ Support Sign in Register 

Complete your registration

1. Create your account

Sign In

Adobe ID (Email Address)

Password

☐ Stay signed in [Trouble signing in?](#)

Create an Adobe ID

Sign In

Paid Plan [change](#)

25 private apps
unlimited open-source apps
unlimited collaborators

PhoneGap Build

Adobe PhoneGap Build

← → ↻ <https://build.phonegap.com/plans/free> ☆ ☰

Bd

Apps Plugins Docs Blog FAQ Support

⌵ 

Create your account

Choose how you would like to sign in to PhoneGap Build.

Adobe ID





Includes **Adobe Creative Cloud** free membership with 2GB of storage and access to Adobe Edge Tools & Services and more. [Learn more](#)

Github



Free Plan

[change](#)

1 private apps
unlimited open-source apps
unlimited collaborators

Language:

English

Navigation

Apps
Plugins
Docs

Powered by Adobe® PhoneGap™



[Find out more](#)

Copyright © 2013 Adobe Systems Incorporated. All rights reserved.

PhoneGap is a trademark of Adobe. You may not use PHONEGAP or GAP in the title of any application built using PhoneGap or the PhoneGap Build service.

[Terms of Use](#) | [Privacy Policy](#) and [Cookies](#)

PhoneGap Build

The screenshot shows the Adobe PhoneGap Build web interface in a browser. The address bar displays <https://build.phonegap.com/apps/573842/builds>. The interface includes a top navigation bar with 'Bd', 'Apps', and 'Plug' tabs. A sidebar on the left contains a 'Feedback' button and a 'New source' section with a 'Choose File' button. A file selection dialog is open, showing a sidebar with 'FAVORITES' (Dropbox, All My Files, Applications, Desktop, Documents, Downloads, Movies, Music, Pictures, imyday) and 'DEVICES' (iMyday's MacBook Pro, Macintosh HD). The main pane of the dialog shows a file tree with 'app' and 'app.zip' selected. A preview of the 'app.zip' file is shown on the right, including its name, kind (Zip), size (2.4 MB), and creation/modification dates. Below the dialog, a 'Please note' message states: 'Please note this is a new source. We won't keep a copy of your old code.' The bottom of the interface features a grid of device-specific build controls, including 'Rebuild' buttons and output format buttons (apk, xap, ipk, wgz) for various platforms like Android, iOS, and Windows.

Adobe PhoneGap Build

Min-Yuh Day

<https://build.phonegap.com/apps/573842/builds>

Bd Apps Plug

Feedback

New source

Choose File No file chosen

Please note this is a new source. We won't keep a copy of your old code.

Cancel Upload

Rebuild Error

Rebuild apk

Rebuild xap

Rebuild ipk

Rebuild wgz

app

app.zip

certificate

index.htm

cscim2011

doc

googlee54...0f64e.html

images

index.htm

m

news

nu3

photos

publications

resources

slides

teaching

teachinga.htm

Name app.zip

Kind Zip

Size 2.4 MB

Created 今天 上午05:51

Modified 今天 上午05:51

Last opened 今天 上午05:51

Cancel Open



Update code



Rebuild all

New source

Choose File appzip

Please note this is a destructive action.
We won't keep a copy of your old code.

Cancel

Upload

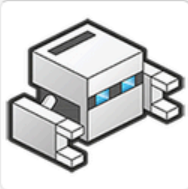
Adobe PhoneGap Build

← → ↻ <https://build.phonegap.com/apps/573842/builds> ☆ ☰

Bd Apps Plugins Docs Blog FAQ Support

⌵ 👤 Adobe

Your application has updated and a build has been queued



Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install 👁

🔑 Update code ⚙ Rebuild all

☰ Builds 🧩 Plugins 👤 Collaborators ⚙ Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	1 minute	zip package

ios No key selected ⌵ ⚙ Rebuild Error

 ⚙ Rebuild xap

 ⚙ Rebuild ipk

🤖 No key selected ⌵ ⚙ Rebuild apk

 No key selected ⌵ ⚙ Rebuild OTA install

 ⚙ Rebuild wgz

<https://build.phonegap.com/apps/573842/builds>

77

Adobe PhoneGap Build

← → ↻ <https://build.phonegap.com/apps/573842/install> ☆ ☰

Bd Apps Plugins Docs Blog FAQ Support

Install Myday Mobile App 1.0.0

Feedback

android apk

BlackBerry OTA install

symbian wgz

webOS ipk

Windows Phone xap

Language: English

Navigation

Apps

Plugins

Powered by Adobe® PhoneGap™

Find out more

Copyright © 2013 Adobe Systems Incorporated. All rights reserved.

PhoneGap is a trademark of Adobe. You may not use PHONEGAP or GAP in the title of any application built using PhoneGap or the PhoneGap Build service.

[Terms of Use](#) | [Privacy Policy and Cookies](#)

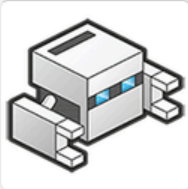
<https://build.phonegap.com/apps/573842/install>

Adobe PhoneGap Build

← → ↻ <https://build.phonegap.com/apps/573842/settings> ☆

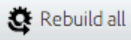
Bd Apps Plugins Docs Blog FAQ Support

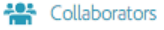
Your application has updated and a build has been queued

 **Myday Mobile App**
Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



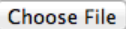
 Install 

 Update code  Rebuild all

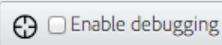
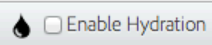
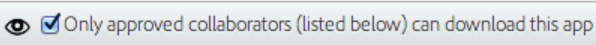
 Builds  Plugins  Collaborators  Settings

Basic

Source code

 Choose File No file chosen  Upload

Settings

 ☐ Enable debugging  ☐ Enable Hydration  ☒ Only approved collaborators (listed below) can download this app

<https://build.phonegap.com/apps/573842/settings>

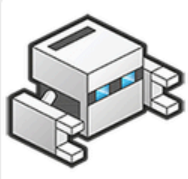
Adobe PhoneGap Build

← → ↻ <https://build.phonegap.com/apps/573842/settings> ☆ ☰

Configuration

Your application's details are bound to the `config.xml` file in your application package. To edit these details, change that file and push it back up to us.

icon file (.png)



Choose File No file chosen

app title

Myday Mobile App

package

com.imtku.smap.mydaymobileapp

version

1.0.0

Configuration

2.9.0

description

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University

Feedback

Adobe PhoneGap Build

← → ↻ <https://build.phonegap.com/apps/573842/settings> ☆ ☰

 Choose File No file chosen

app title

Myday Mobile App

package

com.imtku.smap.mydaymobileapp

version

1.0.0

Configuration

2.9.0 ▾

description

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University

Danger Zone

 Delete this app

Feedback

<https://build.phonegap.com/apps/573842/settings>

Adobe PhoneGap Build

← → ↺

https://build.phonegap.com/apps/573842/builds

☆

☰

Bd

Apps

Plugins

Docs

Blog

FAQ

Support

▼

Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University

Install

Update code

Rebuild all

☰ Builds

Plugins

Collaborators

Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	8 minutes	zip package

ios

No key selected ▼

Error

No key selected ▼

apk

xap

No key selected ▼

OTA install

ipk

wgz

Feedback

Adobe PhoneGap Build

← → ↺

https://build.phonegap.com/apps/573842/builds

☆

☰

Bd

Apps

Plugins

Docs

Blog

FAQ

Support

▼

Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University

Install

Update code

Rebuild all

☰ Builds

Plugins

Collaborators

Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	8 minutes	zip package

ios

options

✓ No key selected
add a key ...

Rebuild

Error

No key selected

Rebuild

apk

Rebuild

xap

No key selected

Rebuild

OTA install

Rebuild

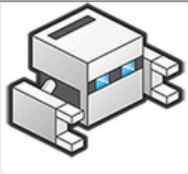
ipk

Rebuild

wgz

Adobe PhoneGap Build

<https://build.phonegap.com/apps/573842/builds>



Myday Mobile App

Myday Mobile App for Prof. Min-Yuh Day, Department of Information Management, Tamkang University



Install

Update code

Rebuild all

Builds

Plugins

Collaborators

Settings

App ID	Version	PhoneGap	Owned by	Last built (18)	Source
573842	1.0.0	2.9.0	imyday@gmail.com	8 minutes	zip package

ios

No key selected

Rebuild

Error

No key selected

Rebuild

apk

No key selected

Rebuild

OTA install

Rebuild

wgz

title

certificate (p12) file

Choose File

No file chosen

provisioning profile

Choose File

No file chosen

cancel

submit key

Powered by Adobe® PhoneGap™

Find out more

Copyright © 2013 Adobe Systems Incorporated. All rights reserved.

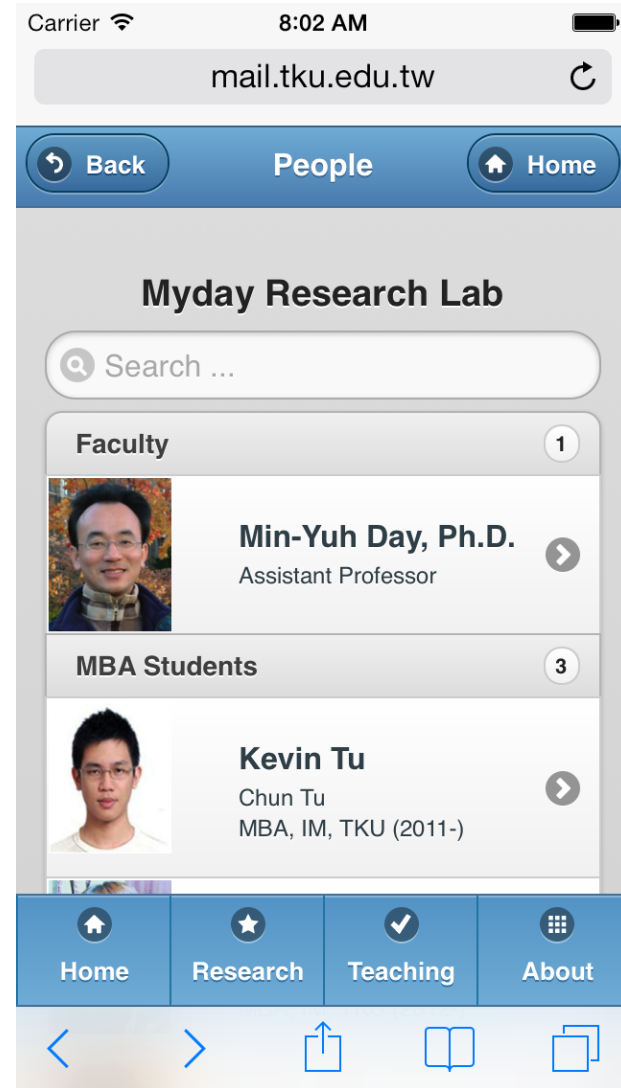
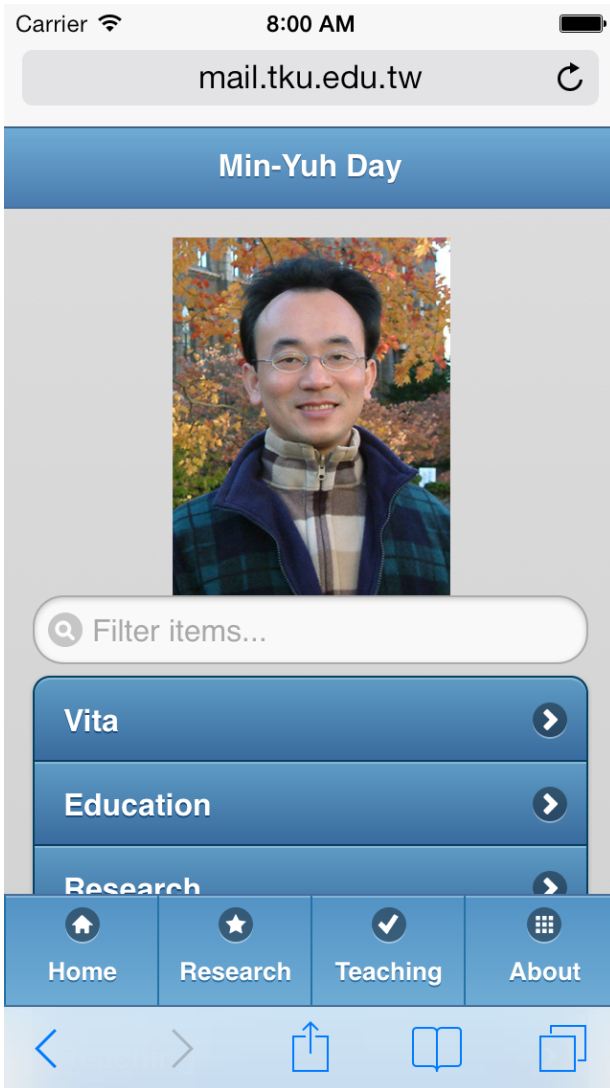
PhoneGap is a trademark of Adobe. You may not use PHONEGAP or GAP in the title of any application built using PhoneGap or the PhoneGap Build service.

[Terms of Use](#)
[Privacy Policy](#)
[Contact Us](#)

Feedback

84

Myday Mobile App -> Hybrid App

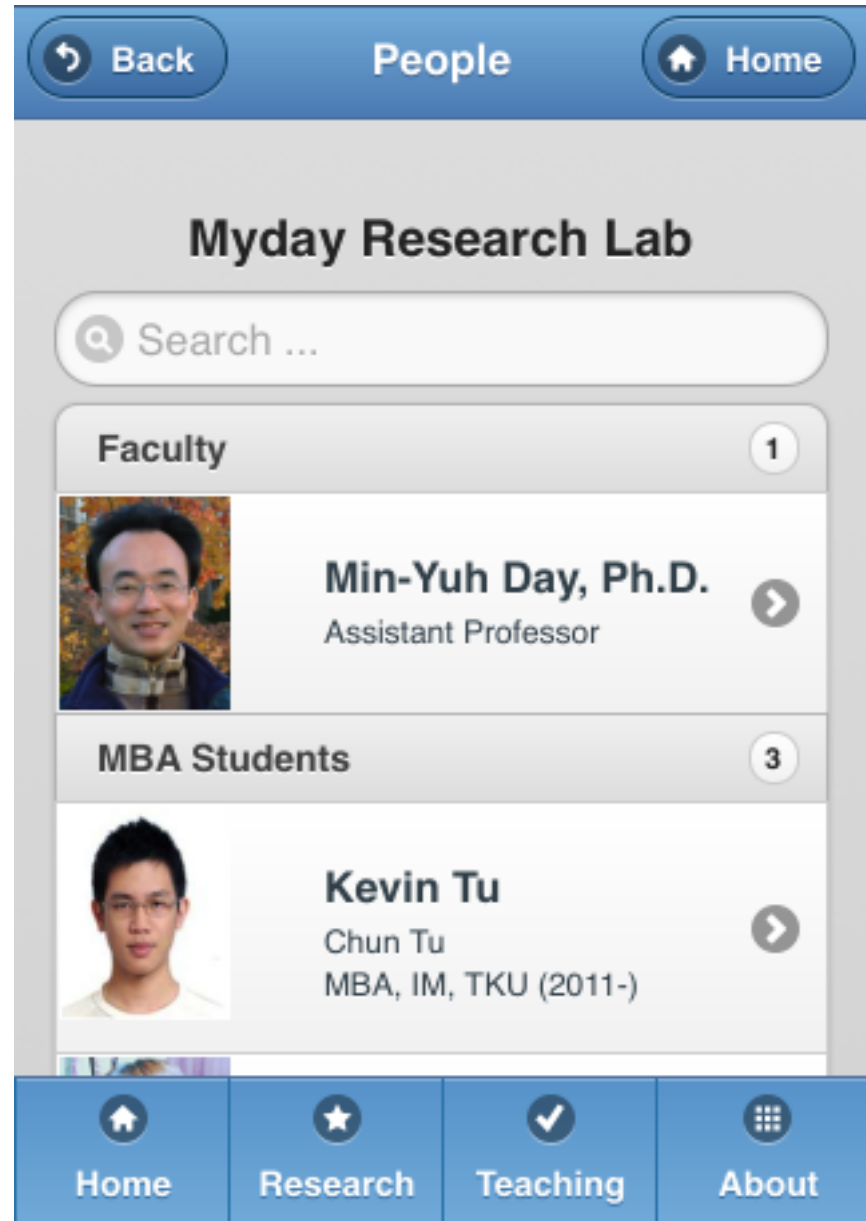
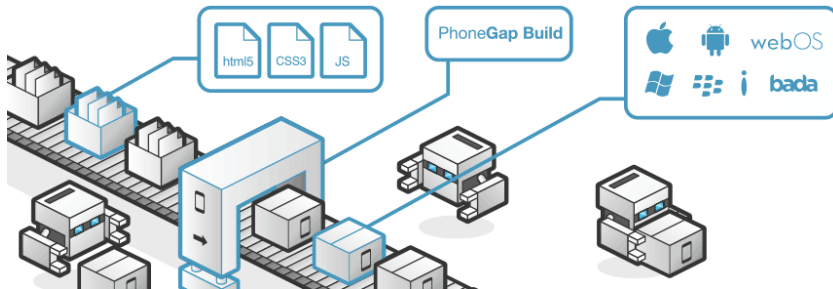
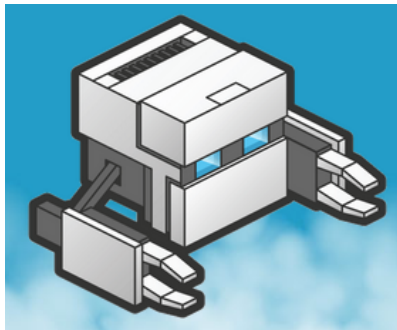


<http://mail.tku.edu.tw/myday/m>



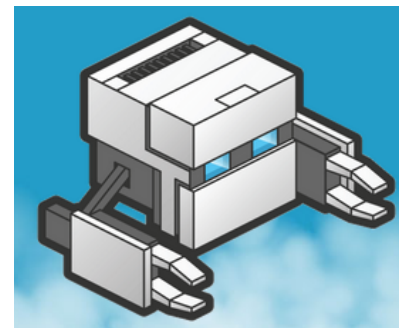
<http://mail.tku.edu.tw/myday/app/>

Create Hybrid Apps with PhoneGap



Summary

- PhoneGap
 - PhoneGap
 - PhoneGap Build
 - index.html, css, js
 - config.xml
 - PhoneGap, jQuery Mobile
- Demo
 - Create Hybrid Apps with PhoneGap



References

- Beginning PhoneGap: Mobile Web Framework for JavaScript and HTML5, Rohit Ghatol & Yogesh Patel, Apress, 2012
- Learn HTML5 and JavaScript for iOS: Web Standards-based Apps for iPhone, iPad, and iPod touch, Scott Preston, Apress, 2012
- PhoneGap
 - <http://phonegap.com/>
- PhoneGap Build
 - <https://build.phonegap.com/>
- jQuery Mobile
 - <http://jquerymobile.com/>
- Introduction to PhoneGap Build
 - <http://tv.adobe.com/watch/building-mobile-apps-with-phonegap-build/introduction-to-phonegap-build-building-your-first-app/>