

WpApp User Guide

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Introduction

WpApp is a Titanium template that enable you to create an iOS app for WordPress blog. There are some benefits from having a mobile app for blog site. It can increase the visitor loyalty, expanding market reader, and also to make more money by using [admob](#).

If you are not familiar with the Titanium platform then refer to the [Getting Started with Titanium](#) guide.

In order to fetch blog post data, WpApp require a WpApp WordPress plugin to be installed. The plugin is provided in this package in `/wpplugin` folder.

WpApp is tested with Titanium Mobile SDK 2.1.1.GA and XCode 4.4. Tested on iOS 5.

Features

- **Build universal app, iPad ready (v3.0)**
- **APNS script to send push notification (v3.0)**
- **Customize Admob banner size, iPad only (v3.0)**
- Push notification for each time new post published (v2.0)
- More social sites: twitter improved, youtube, facebook and flickr (v2.0)
- Twitter posts (v1.1)
- Pages List (v1.1)
- Admob module
- Database cache
- i18n localization
- Unlimited categories
- Pull to refresh
- Share by email and facebook
- Loading indicator
- 20 color skins
- Reset data
- Automatically finding image from blog post
- WordPress plugin
- Easy to customize

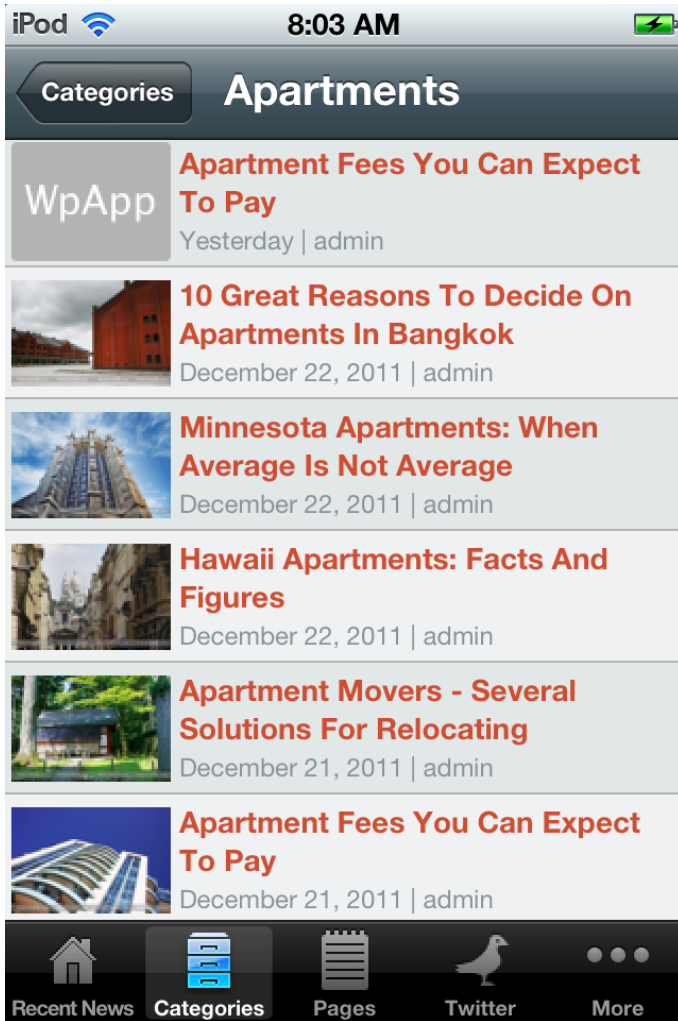
User interfaces

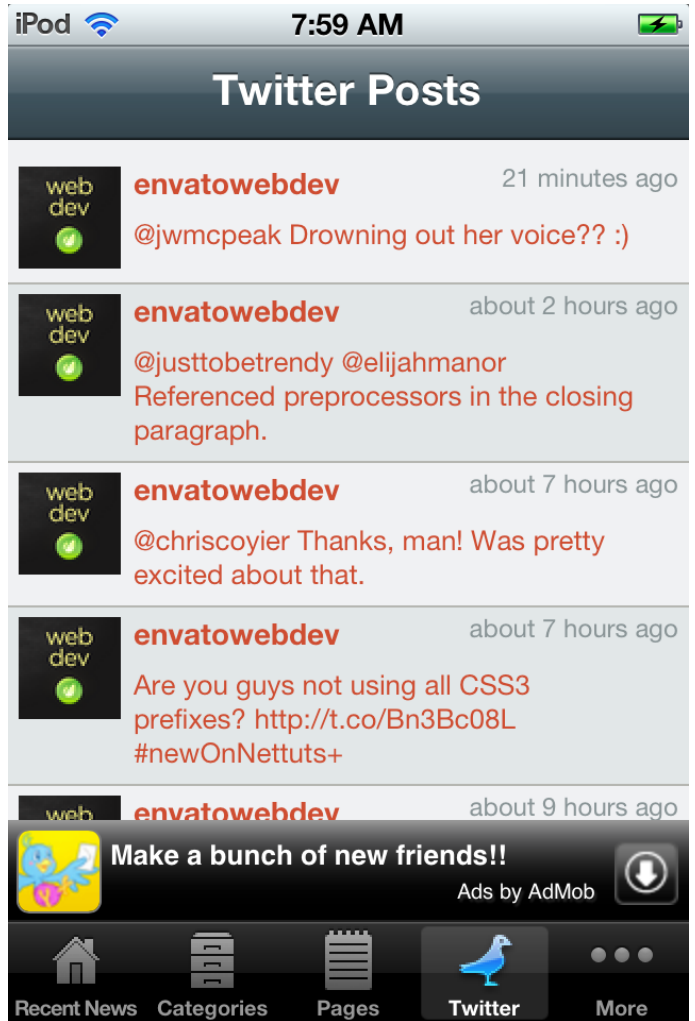
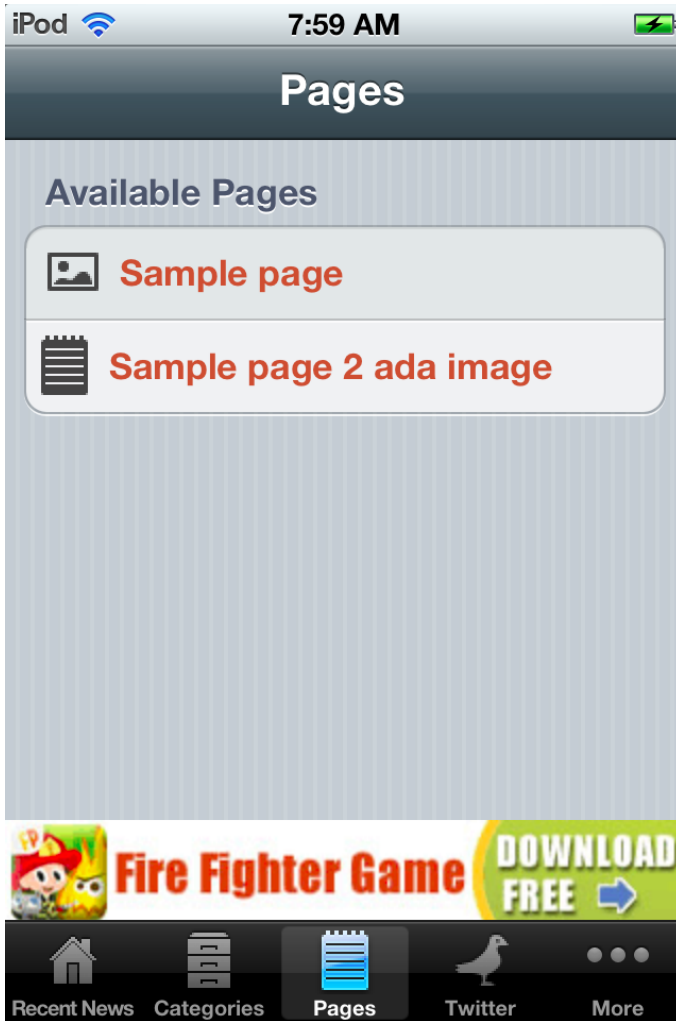
Titanium will run `app.js` by default. It will load configuration (`config.js`), skin (`skin/`), libraries (`lib/`) and user interface (`ui/`) files.

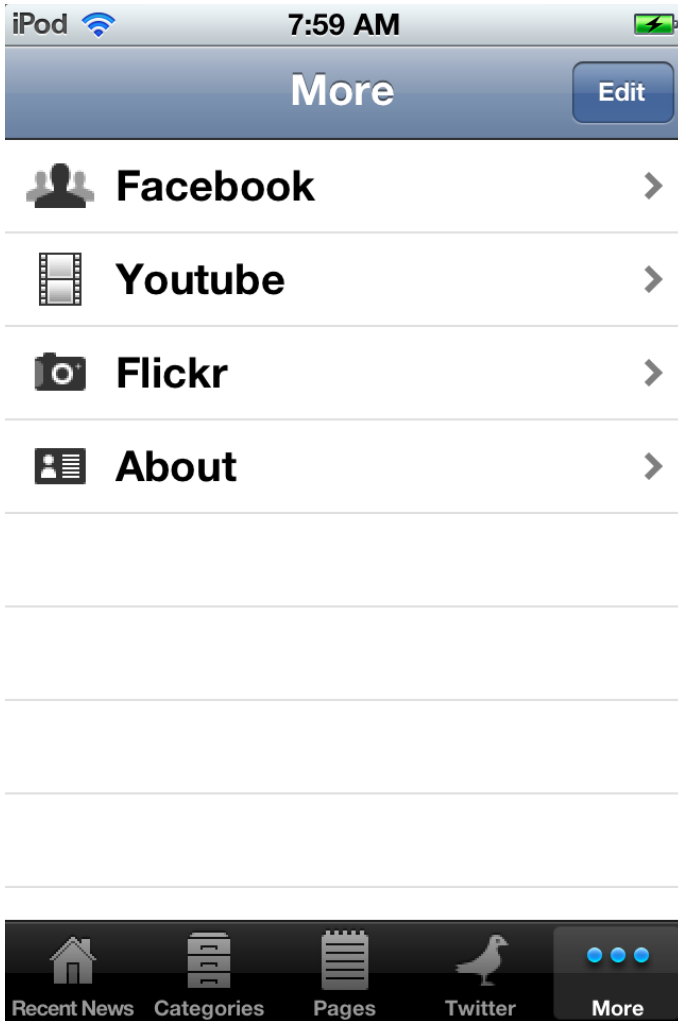
Here are the available user interfaces.

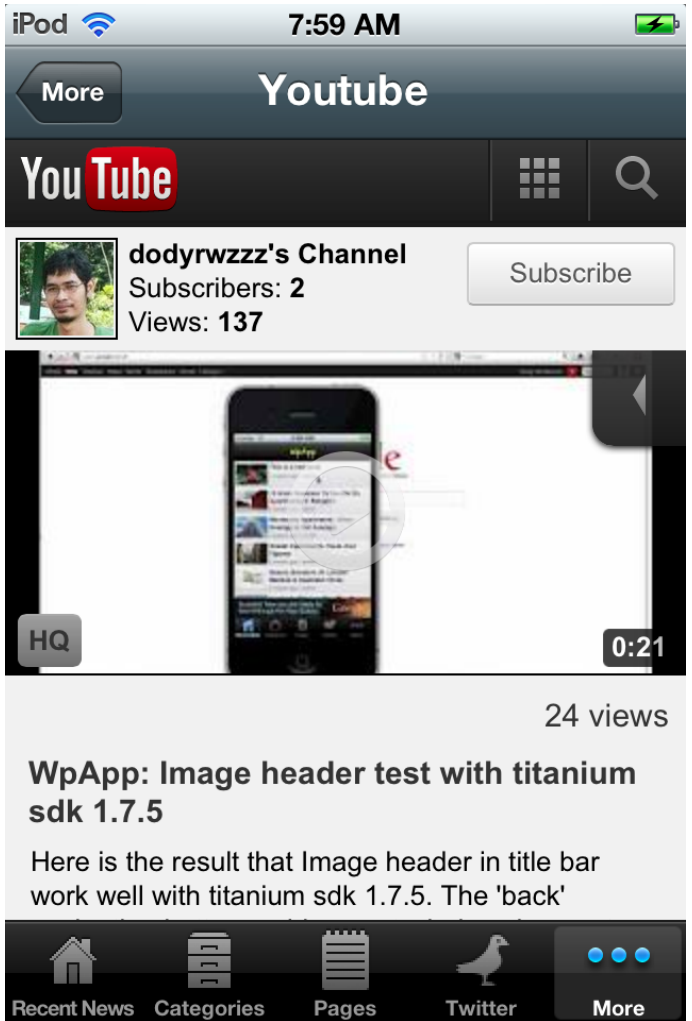
iPhone

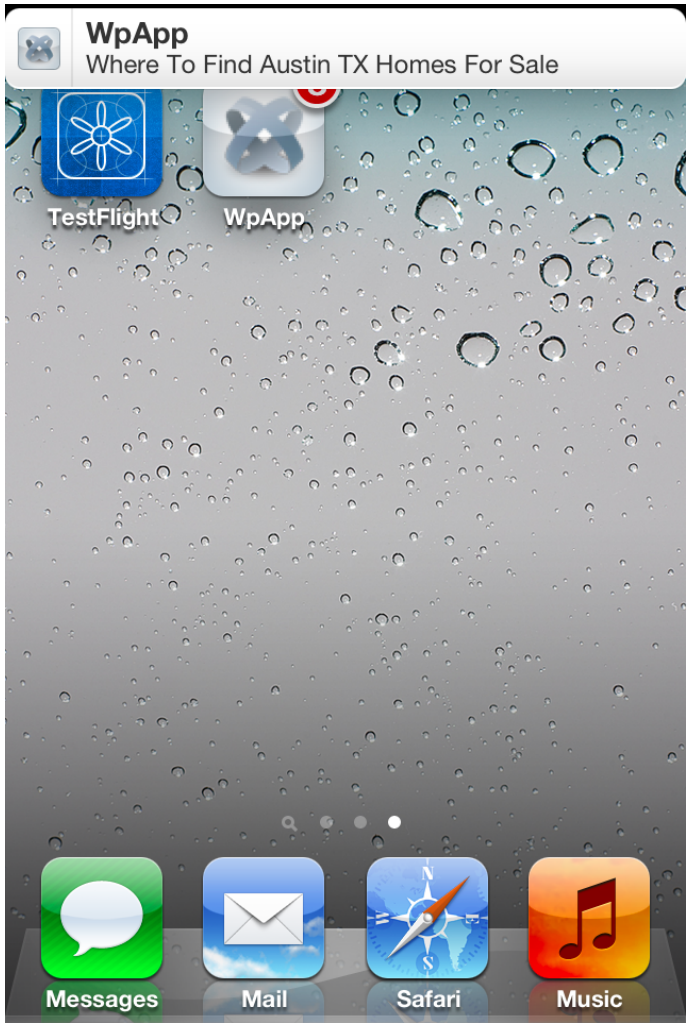
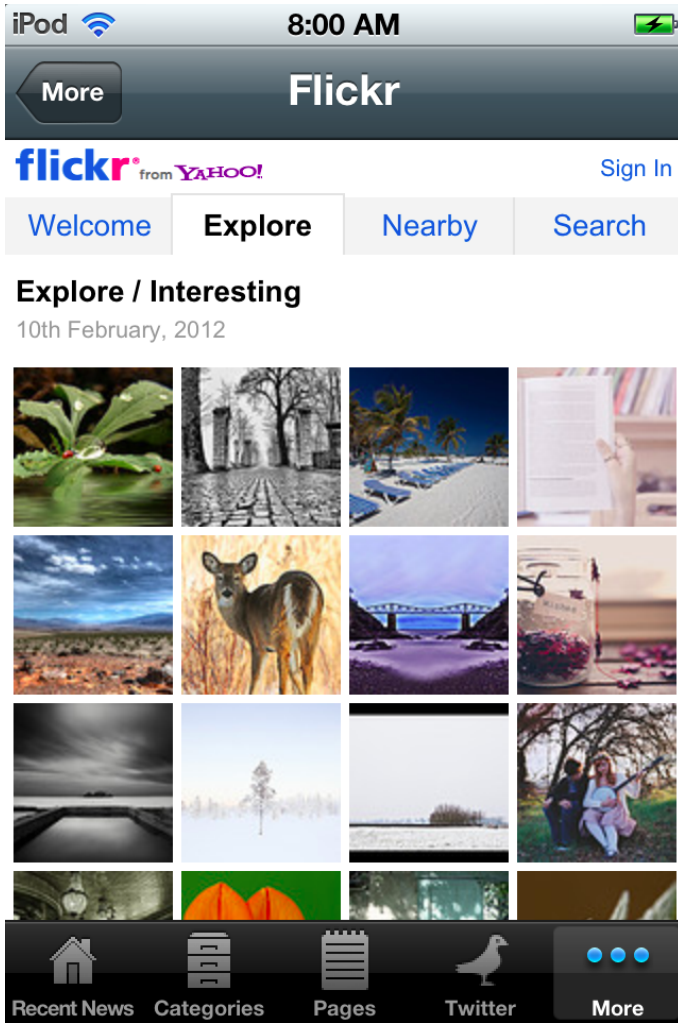




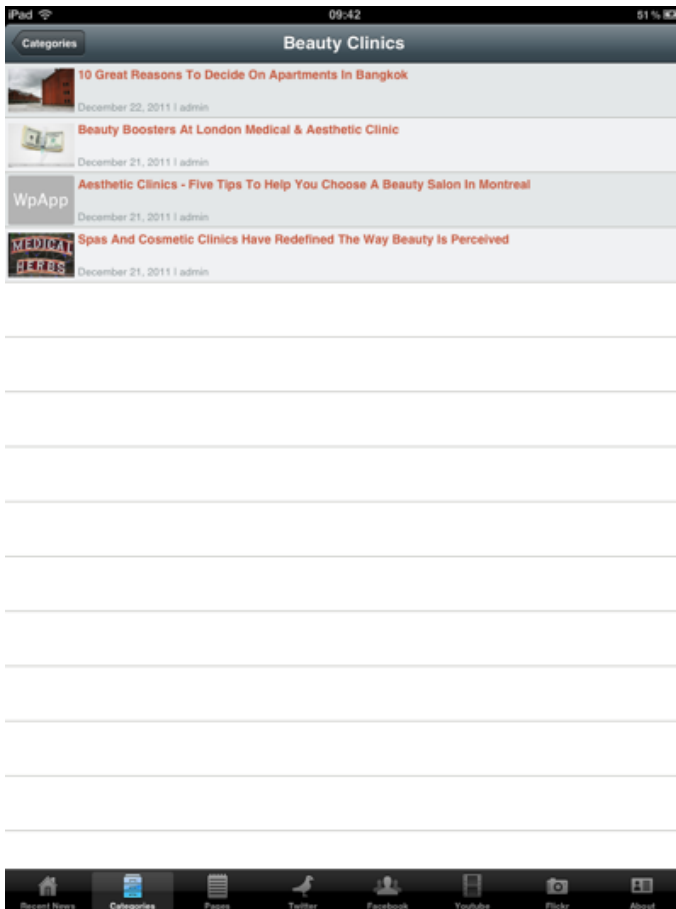
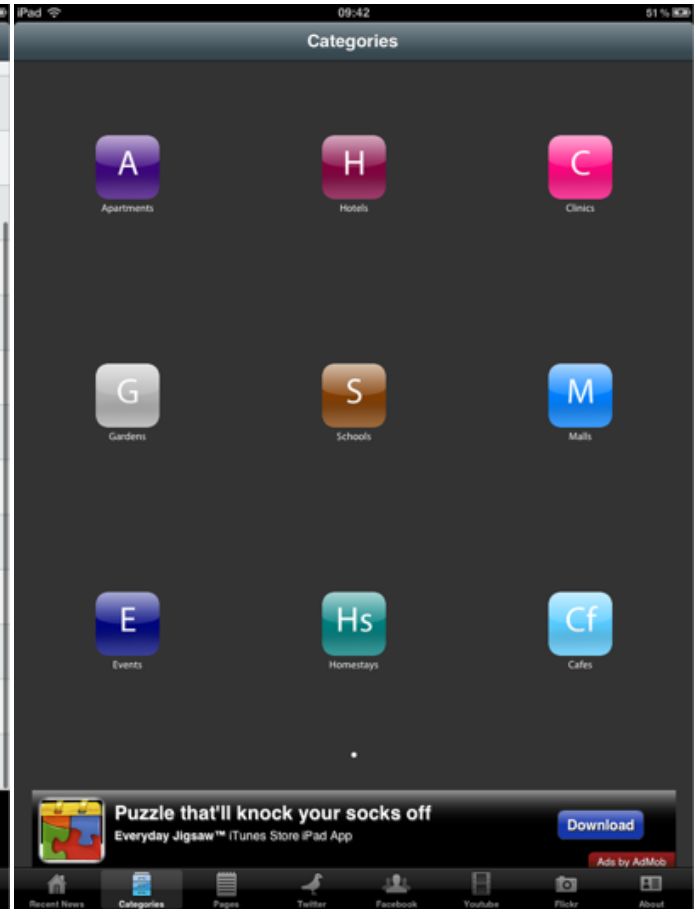
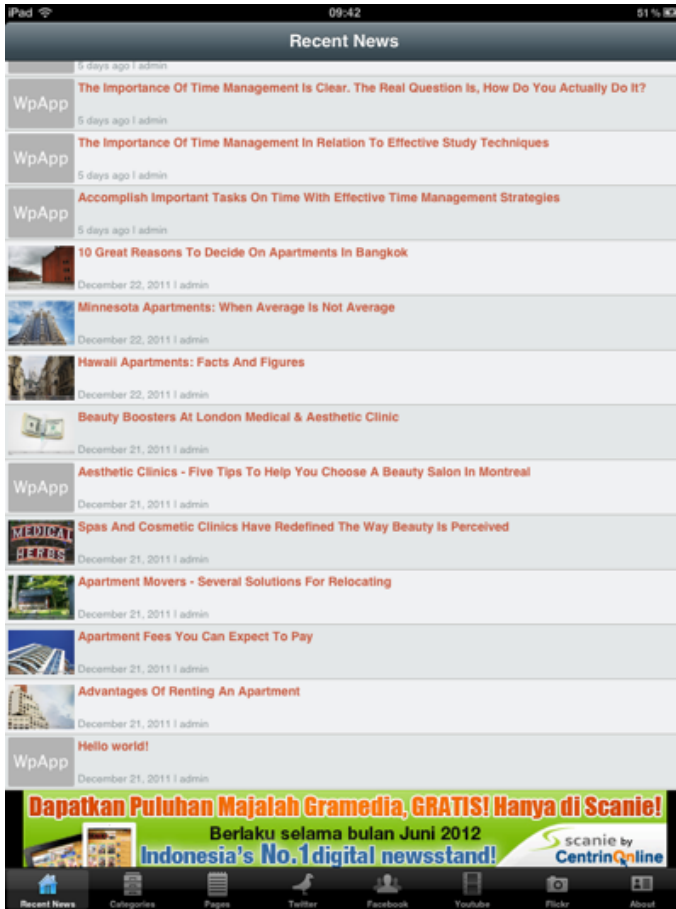


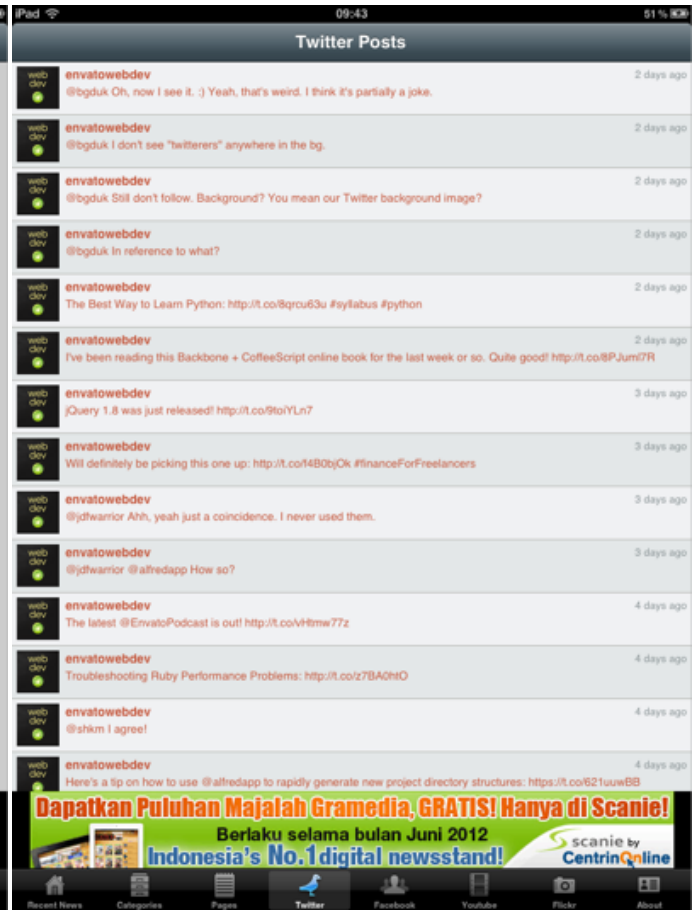
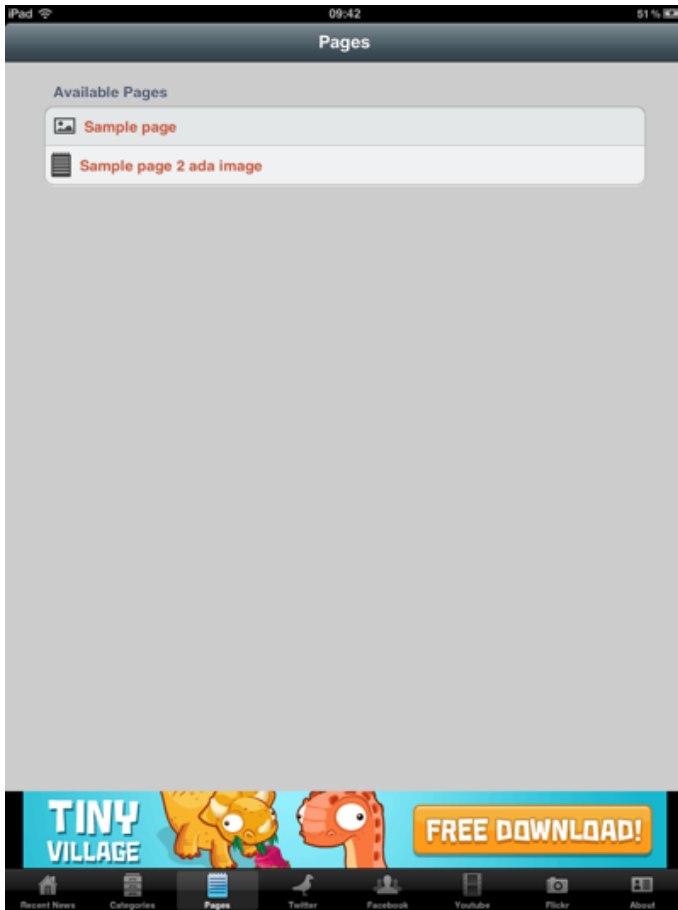


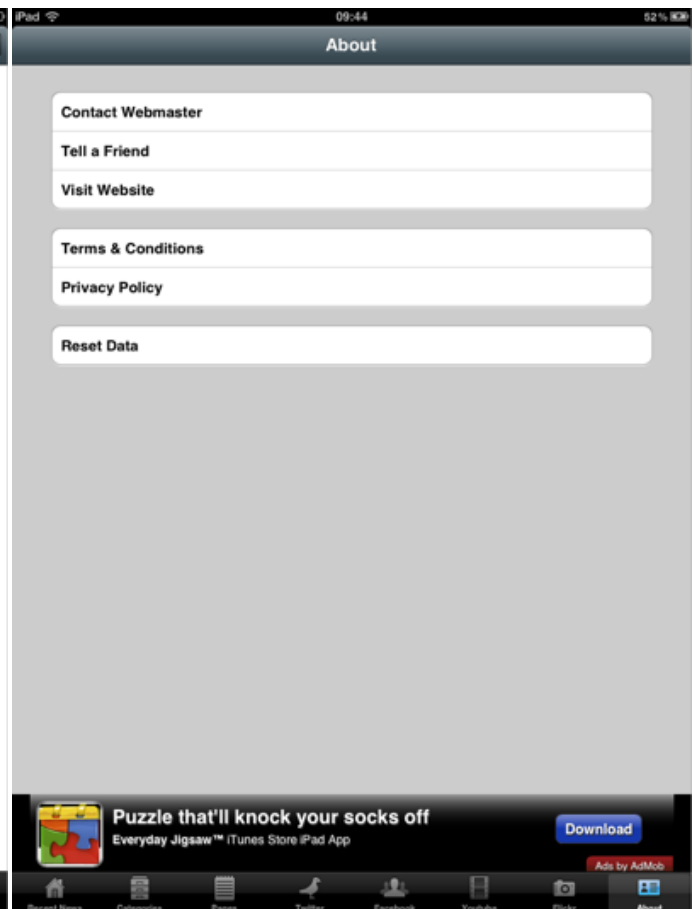
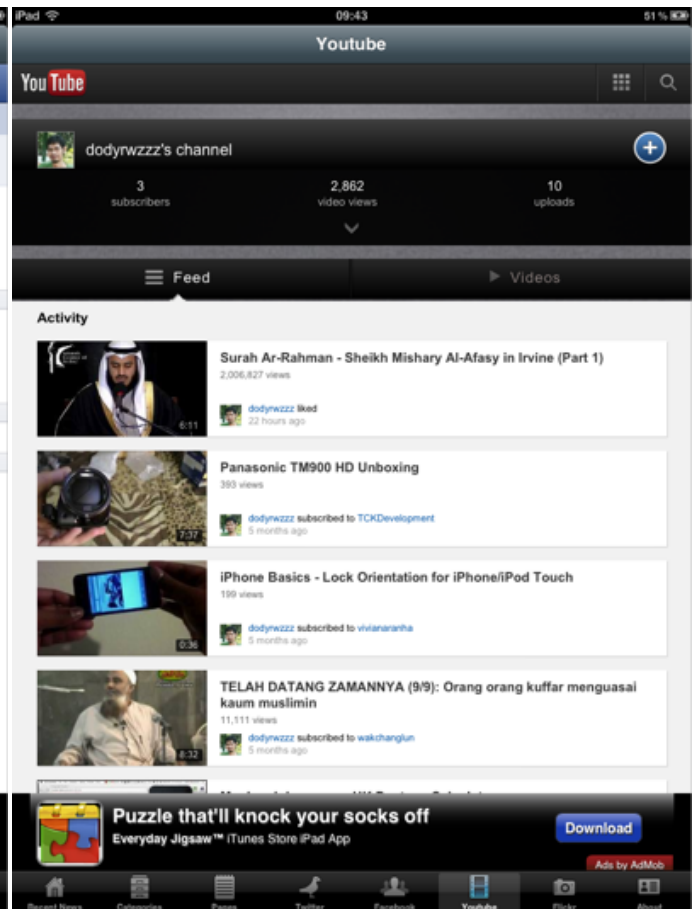




iPad







WpApp WordPress plugin installation

WpApp contains a WordPress plugin that must be installed in your blog. This plugin serve as data provider for our apps. To install it, upload `wpapp.zip` (under folder `wpplugin` in this package) with WordPress admin panel, just like to install any other WordPress plugins.

After the plugin activated, there will be a new admin menu called **WPAPP** under **Settings** menu. In this page, you need to set the API KEY that will provide a secure way to access WordPress data.

Tips: You may want to use hash generator tool like MD5 has generator to generate more secure string combination.

Upgrade from earlier version: Just replace the old files (all wpapp plugin folder) with the new one.

Push notification with Urban Airship

The next two options are required to enable push notification with Urban Airship. Please read the following blog post to setup push notification.

- [Enable APN and generate .p12 file.](#)
- [Setup Urban Airship](#)

If you use Urban Airship, make sure to leave empty options for DDAPNS.

Push notification with DDAPNS script

DDAPNS is a PHP script that will manage APNS. If you do not want to pay monthly fee for push notification service, this script will do the job.

For detail installation of DDAPNS, please visit: <https://github.com/dodyrw/ddapns>

If you use DDAPNS, make sure to leave empty options for Urban Airship.



WPAPP Settings

Main Setting

API KEY:	<input type="text" value="123456"/>
Urban Airship App Key:	<input type="text"/>
Urban Airship Master Secret:	<input type="text"/>
DDAPNS Access Key:	<input type="text" value="123456"/>
DDAPNS Url:	<input type="text" value="http://192.168.1.144/ddapns/"/> (ends with slash)

[Save Changes](#)

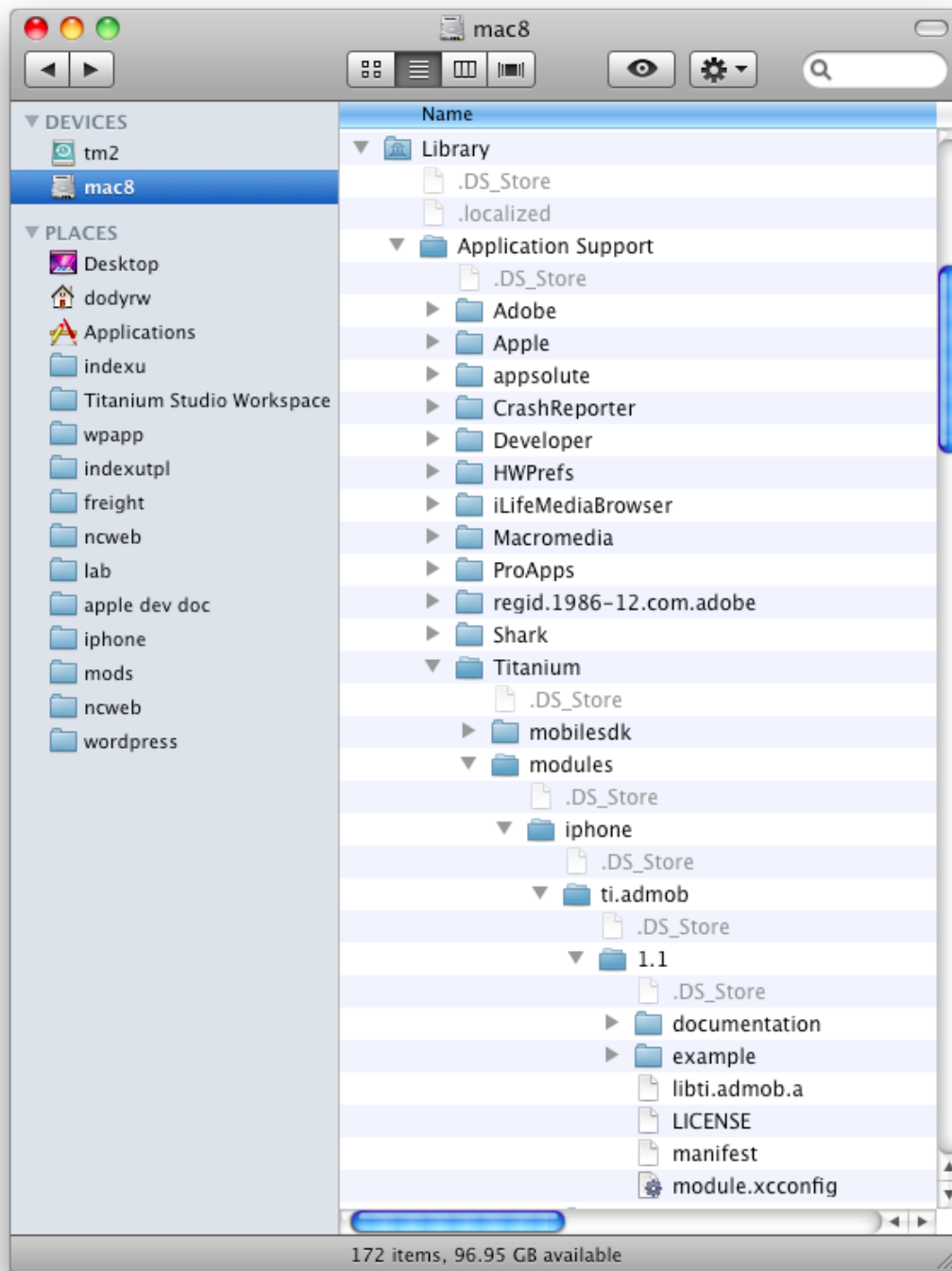
Admob module installation

WpApp require official Titanium Admob module. You can download it in [Titanium Marketplace](#).

Extract the zip file, if you are using Snow Leopard, then copy ti.admob folder to [HD root folder]/Library/Application Support/Titanium/modules/iphone. Please do not mistaken it with similar folder under user account.

If you are using Lion, copy ti.admob folder to [User Folder]/Library/Application Support/Titanium/modules/iphone

If it is your first time to install Titanium module, you may need to create iphone folder manually.



Next step, after creating a new project, edit `tiapp.xml`. In the bottom section, replace

<modules/>

with:

```
<modules>
  <module version="1.1">ti.admob</module>
</modules>
```

⚠️ After installing new module, **you need to force rebuild**. Otherwise it will return error message `ti.admob module not found`. In order to do this, remove or rename `build/` folder under project folder. Or with **Titanium Studio > Project > Clean**.

Setup and customization

1. Create a new Titanium project, have `tiapp.xml` modified as above to add admob module.
2. Edit `config.js`.

config.js

```
var config = {
  /***** app setting *****/
  // wordpress url
  "BLOG_URL"           : "http://www.dodyrw.com/wpappdemo/",
  // webmaster email
  "WEBMASTER_EMAIL"    : "webmaster@domain.com",
  // json data feed option
  "JSON_POST_COUNT"    : "20",
  "JSON_API_KEY"       : "wpappdemo",
  // social sites
  "TWITTER_ACCOUNT"    : "envatowebdev",
  "FACEBOOK_URL"       :
'http://m.facebook.com/pages/nicecoder/117973358230454',
  "YOUTUBE_URL"        : 'http://m.youtube.com/profile?user=dodyrwzzz',
  "FLICKR_URL"         : 'http://m.flickr.com/photos/58709576@N08',

  /***** optional *****/
  // admob
  "ADMOB_PUBLISHER_ID" : "a14ee85c1fefe38",
  "ADMOB_BGCOLOR"      : "#fff",
  "ADMOB_GENDER"       : "",
  "ADMOB_KEYWORD"      : "",
  "ADMOB_TESTING"      : "false", // true or false
  "ADMOB_IPHONE_WIDTH" : "320",   //

https://developers.google.com/mobile-ads-sdk/docs/admob/intermediate
  "ADMOB_IPHONE_HEIGHT" : "50",
  "ADMOB_IPAD_WIDTH"    : "728",

```

```

"ADMOB_IPAD_HEIGHT"      : "90",

// urban airship (push notification service)
"APNS_USE_URBAN_AIRSHIP" : "0", // 0: disable
"URBAN_AIRSHIP_APP_KEY"  : '',
"URBAN_AIRSHIP_MASTER_SECRET" : '',

// APNS script setting
"DDAPNS_ACCESS_KEY"      : "123456",
"DDAPNS_URL"             : "http://192.168.1.144/ddapns/", // ends with
slash

"FIX_IMG_POST"           : "1",
"FORCE_RELOAD_TIME"      : "1800 seconds", // do not refresh
automatically during this time
// blog post tableview
"DEFAULT_IMAGE"          : "imgs/default.png",
// pages tableview
"DEFAULT_PAGES_IMAGE"    : 'imgs/179-notepad.png',

// use only one skin, put comment on the other selections
// "SKIN"                  : "blue",
// "SKIN"                  : "red",
// "SKIN"                  : "cloud",
// "SKIN"                  : "brown",
// "SKIN"                  : "magen",
// "SKIN"                  : "orange",
// "SKIN"                  : "silver",
// "SKIN"                  : "green",
// "SKIN"                  : "silvercloud",
// "SKIN"                  : "blueblue",
// "SKIN"                  : "black",
// "SKIN"                  : "redlight",
// "SKIN"                  : "bluedark",
// "SKIN"                  : "magencyan",
// "SKIN"                  : "redblack",
// "SKIN"                  : "greenlight",
// "SKIN"                  : "orenjiblack",
// "SKIN"                  : "brownlight",
"SKIN"                   : "bluenext",
// "SKIN"                  : "blacklight",
"DB_NAME"                 : "WpApp"
};

var xscreen = {
/*
*   ipad 1024x768
*/
"ipadh"                   : "1024",
"ipadw"                   : "768",

/*
*   iphone ipod 480x320
*/

```



```
"iphoneh"      : "480",  
"iphonew"     : "320",  
};
```

3. Edit `categ_list.js`. Here you set the categories. You can add as many as you need. They will be appear in category dashboard.

categ_list.js

```
var categ_list = {  
  "categs": [  
    {  
      "slug"      : "apartemen-akomodasi",  
      "label"     : "Apartments",  
      "icon_off"  : "imgs/categ/a_off.png", // 72x90  
      "icon_on"   : "imgs/categ/a_on.png"  
    },  
    {  
      "slug"      : "hotel-akomodasi",  
      "label"     : "Hotels",  
      "icon_off"  : "imgs/categ/h_off.png",  
      "icon_on"   : "imgs/categ/h_on.png"  
    }  
  ]  
};
```

Where to get the category slug? Go to **WordPress admin panel > Posts > Categories** .

Or open your browser and navigate to:

```
http://[domain.tld]/wp-admin/edit-tags.php?taxonomy=category
```

Search Categories

Bulk Actions ▼ Apply 3 items			
<input type="checkbox"/> Name	Description	Slug	Posts
<input type="checkbox"/> Apartments		apartments	7
<input type="checkbox"/> Clinics		clinics	3
Uncategorized		uncategorized	1
<input type="checkbox"/> Name ▲	Description	Slug	Posts
Bulk Actions ▼ Apply 3 items			

Note:

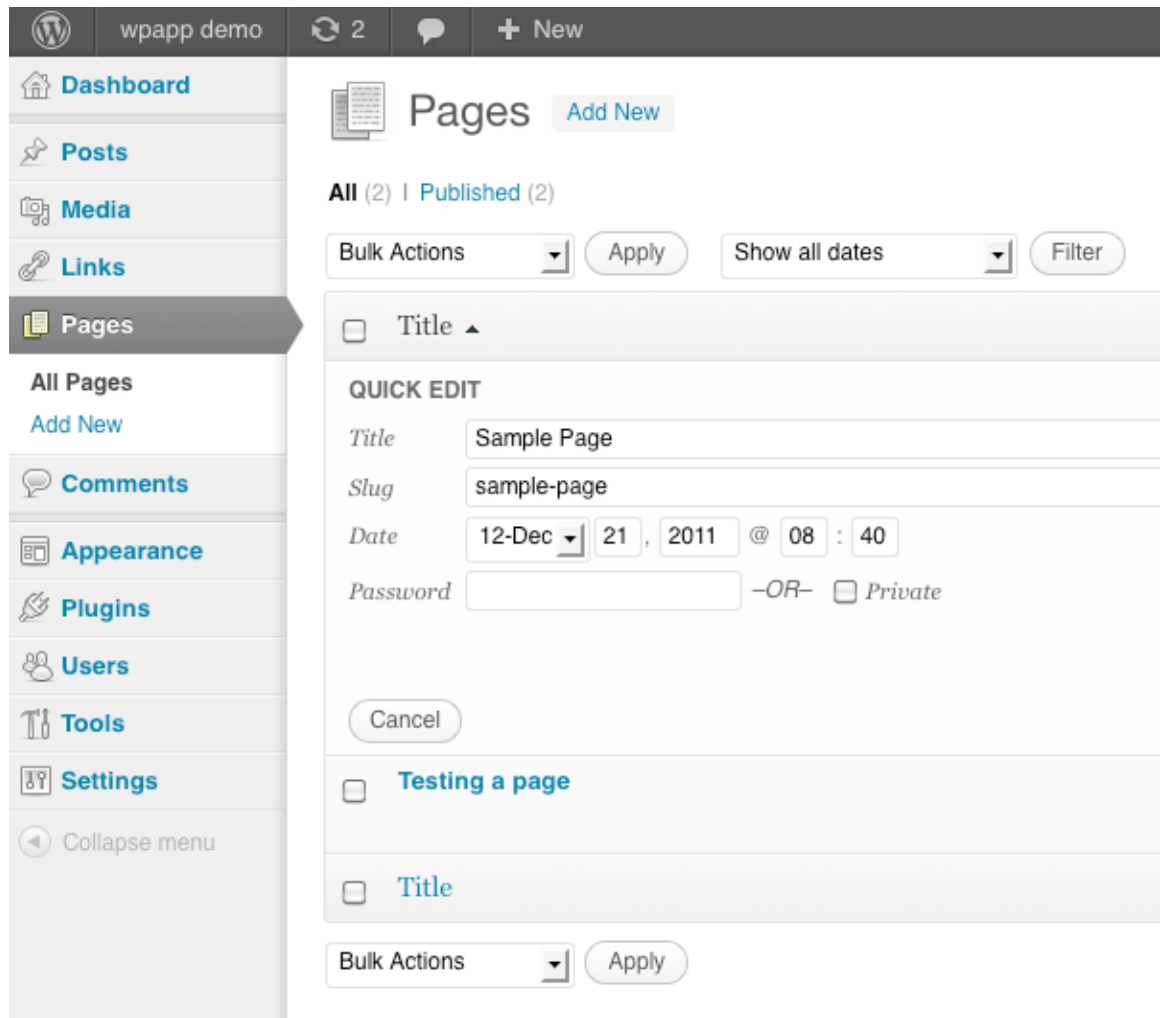
Deleting a category does not delete the posts in that category. Instead, posts that were only assigned to the deleted category are set to the category **Uncategorized**.

Categories can be selectively converted to tags using the [category to tag converter](#).

4. Edit `pages_list.js`. In this file you can set the list of WordPress pages. There is no limit for the number of pages. You can add as many as you need.

```
var pages_list = {
  "pages": [
    {
      "slug"      : "sample-page",
      "label"     : "Sample page",
      "image"     : "imgs/pages/light_flag.png",
    },
    {
      "slug"      : "testing-a-page",
      "label"     : "Sample page 2 ada image"
    },
  ]
};
```

To get the pages slug, go to **WordPress admin panel > Pages > All pages**. Then click quick edit on the page item.



Customizing skins

Skin files are under `skin/` folder. The code structure is quite easy and self-explained. To make tableview with gradient color, you need to set `skin.RECENT_TV_GRADIENT` and `skin.CATEG_TV_GRADIENT` in the bottom section. Otherwise, if you want to use plain color, make sure to comment them.

```
var skin = {

    // recent news title bar color and image
    // if use image, bar color and title should empty
    // if use text title, bar image should empty
    "RECENT_BAR_IMAGE"      : "",          // example: imgs/wpapp.png, size: 320x45
    "RECENT_BAR_COLOR"      : "#9f0007", // example: #ff840a

    // category title bar color and image
    // if use image, bar color and title should empty
    // if use text title, bar image should empty
    "CATEG_BAR_IMAGE"       : "",          // example: imgs/wpapp.png, size: 320x45
    "CATEG_BAR_COLOR"       : "#9f0007", // example: #ff840a
    "CATEG_DASHBOARD_BGCOLOR" : "#333",
```

```

// blog post title bar color and image
// if use image, bar color should empty
// if use text title, bar image should empty
"POST_BAR_IMAGE"      : "",          // example: imgs/wpapp.png, size: 320x45
"POST_BAR_COLOR"      : "#9f0007", // example: #ff840a

// about tab bar color and image
// if use image, bar color and title should empty
// if use text title, bar image should empty
"ABOUT_BAR_IMAGE"    : "",          // example: imgs/wpapp.png, size: 320x45
"ABOUT_BAR_COLOR"    : "#9f0007", // example: #ff840a

"WEBVIEW_BAR_IMAGE"   : "",          // example: imgs/wpapp.png, size: 320x45
"WEBVIEW_BAR_COLOR"   : "#9f0007", // example: #ff840a

"TWITTER_BAR_IMAGE"   : "",          // example: imgs/wpapp.png, size: 320x45
"TWITTER_BAR_COLOR"   : "#9f0007", // example: #ff840a

"PAGES_BAR_IMAGE"     : "",          // example: imgs/wpapp.png, size: 320x45
"PAGES_BAR_COLOR"     : "#9f0007", // example: #ff840a

// table view for recent news
"RECENT_TV_BGCOLOR"   : "",
"RECENT_TV_BGCOLOR_ALT": "",
"RECENT_TV_SEPARATOR_COLOR": "#000",
"RECENT_TV_TITLE_COLOR": "#fff",
"RECENT_TV_META_COLOR" : "#fff",

// table view for categories
"CATEG_TV_BGCOLOR"    : "",
"CATEG_TV_BGCOLOR_ALT": "",
"CATEG_TV_SEPARATOR_COLOR": "#000",
"CATEG_TV_TITLE_COLOR": "#fff",
"CATEG_TV_META_COLOR" : "#fff",

// table view for twitter
"TWITTER_TV_BGCOLOR"  : "",
"TWITTER_TV_BGCOLOR_ALT": "",
"TWITTER_TV_SEPARATOR_COLOR": "#000",
"TWITTER_TV_TITLE_COLOR": "#fff",
"TWITTER_TV_META_COLOR" : "#fff",

// table view for pages
"PAGES_TV_BGCOLOR"    : "#404040",
"PAGES_TV_BGCOLOR_ALT": "#272727",
"PAGES_TV_TITLE_COLOR": "#fff",

"DUMMY" : ""
};

skin.RECENT_TV_GRADIENT = {
    type:'linear',
    colors:[
        {color:'#404040',position:0.0},{color:'#2f2f2f',position:0.5},{color:'#272727',position:1.0} ]
};

skin.CATEG_TV_GRADIENT = {

```

```
    type:'linear',
    colors:[
{color:'#404040',position:0.0},{color:'#2f2f2f',position:0.5},{color:'#272727',posit
ion:1.0} ]
};

skin.TWITTER_TV_GRADIENT = {
    type:'linear',
    colors:[
```

```
{color:'#404040',position:0.0},{color:'#2f2f2f',position:0.5},{color:'#272727',position:1.0} ]  
};
```

i18n localization

WpApp strings are stored in `/i18n/[language_code]/strings.xml`. You can easily change the strings in this file. If you want to make translation, create a new folder under `i18n` with the name is language code. For an example, I have put Indonesian translation with folder name `id`.

Code structure:


```
<?xml version="1.0" encoding="UTF-8"?>
<resources>
    <string name="wpapp_recent">Recent News</string>
    <string name="wpapp_categories">Categories</string>
    <string name="wpapp_pages">Pages</string>
    <string name="wpapp_twitter">Twitter</string>
    <string name="wpapp_about">About</string>

    <string name="recent_news">Recent News</string>

    <string name="categ_categories">Categories</string>

    <string name="about">About</string>
    <string name="about_reset_data">Reset Data</string>
    <string name="about_alert">Do you want to reset data?</string>
    <string name="about_yes">Yes</string>
    <string name="about_no">No</string>
    <string name="about_contact_webmaster">Contact Webmaster</string>
    <string name="about_tell_a_friend">Tell a Friend</string>
    <string name="about_visit_website">Visit Website</string>
    <string name="about_terms_and_conditions">Terms & Conditions</string>
    <string name="about_privacy_policy">Privacy Policy</string>

    <string name="share">Share</string>
    <string name="share_this_on">Share this on...</string>
    <string name="share_email">Email</string>
    <string name="share_cancel">Cancel</string>

    <string name="post_source">Source</string>

    <string name="indicator_loading">Loading...</string>

    <string name="ptr_pull_to_reload">Pull to reload</string>
    <string name="ptr_last_updated">Last Updated: </string>
    <string name="ptr_pull_down_to_refresh">Pull down to refresh...</string>
    <string name="ptr_release_to_refresh">Release to refresh...</string>
    <string name="ptr_reloading">Reloading...</string>

    <string name="webmaster_subject">Iphone app feedback</string>
    <string name="webmaster_body"></string>
    <string name="tell_friend_subject">Interesting iphone app</string>
    <string name="tell_friend_body">I'd like to share an interesting iphone
app.</string>

    <string name="twitter">Twitter Posts</string>
    <string name="pages">Pages</string>
    <string name="pages_available">Available Pages</string>

    <string name="youtube">Youtube</string>
    <string name="facebook">Facebook</string>
    <string name="flickr">Flickr</string>

</resources>
```



In order to use this feature, you must do deployment with Titanium Studio. Deployment with XCODE will not render the correct strings.

Useful resources

- [Titanium Community Questions & Answers](#)
- [Titanium Compatibility Matrix](#)

Sources and credits

I've used the following icons and photos.

- Icons from [Appcelerator Icon Package](#) (Apache 2.0 license for developers)
- Icons from [glyphish.com](#) (Free version)
- Photos from [Photos8](#)