Asset Naming Conventions

Save all image assets into the **assets** directory in the project repository. Within this directory, you can arrange/group assets in any way that makes sense to you, but this is where the files need to go.

iOS

In the world of Objective-C/iOS development, we love to see verbose naming in our code as well as our files. Xcode, the tool we use for development in this environment, does a splendid job of finishing our sentences for us, so following a logical naming convention (as follows) will help us to speedily add your designs to our programs efficiently and easily.

Retina assets are exactly 200% the size of non-retina assets. Make sure to use pixel dimensions that are easily divisible by 2 in order to scale up/down accordingly and avoid half-pixel remenants. That goes for type as well. Type face sizes of 19 pts, for example, don't scale well between the two resolutions.

Start with the root of what the asset is/does

- screenname_type_thing / action_state *i.e.*
 - settings_tableview_background
 - agenda_listcell_icon_breakout
 - speakerprofile_button_share_down

Get more specific

- use Apple conventional suffixes for retina/device specification *i.e.*
 - settings_tableview_background@2x~iPhone (specifically for retina iPhones)
 - agenda_listcell_icon_breakout~iPad (specifically for non-retina iPads)
 - speakerprofile_button_share_down@2x (for any retina device)

App Icon Standard Sizes & File Names iPhone-only Apps

Image Size (px)	File Name	Used For	Requirement
512x512	iTunes Artwork	Ad Hoc iTunes	Optional, but recommended
57x57	Icon.png	App Store & Home Screen on non-retina iPhone/iPod Touch	Required
114x114	Icon@2x.png	Home Screen for retina iPhone/iPod Touch	Required
72x72	Icon-72.png	App Store & Home Screen on non-retina iPad	Optional, but recommended
144x144	Icon-72@2x.png	Home Screen for retina iPad	Optional, but recommended
29x29	Icon- Small.png	Spotlight & Settings for non- retina iPhone/iPod Touch, as well as Settings for non-retina iPad	Optional, but recommended
50x50	Icon-Small— 50.png	Spotlight for non-retina iPad	Optional, but recommended
58x58	Icon- Small@2x.png	Spotlight & Settings for retina iPhone/iPod Touch, as well as Settings on retina iPad	Optional, but recommended
100x100	Icon-Small— 50@2x.png	Spotlight for retina iPad	Optional, but recommended

iPad-only Apps

Image Size (px)	File Name	Used For	Requirement
512x512	iTunes Artwork	Ad Hoc iTunes	Optional, but recommended
72x72	Icon-72.png	App Store & Home Screen on non-retina iPad	Required
144x144	Icon– 72@2x.png	Home Screen for retina iPad	Required
29x29	Icon- Small.png	Settings for non-retina iPad	Optional, but recommended
50x50	Icon-Small— 50.png	Spotlight for non-retina iPad	Optional, but recommended
58x58	Icon- Small@2x.png	Settings on retina iPad	Optional, but recommended
100x100	Icon-Small— 50@2x.png	Spotlight for retina iPad	Optional, but recommended

Universal Apps

Image Size (px)	File Name	Used For	Requirement
512x512	iTunes Artwork	Ad Hoc iTunes	Optional, but recommended
57x57	Icon.png	App Store & Home Screen on non-retina iPhone/iPod Touch	Required
114x114	Icon@2x.png	Home Screen for retina iPhone/iPod Touch	Required
72x72	Icon-72.png	App Store & Home Screen on non-retina iPad	Required
144x144	Icon– 72@2x.png	Home Screen for retina iPad	Required
29x29	Icon- Small.png	Spotlight & Settings for non- retina iPhone/iPod Touch, as well as Settings for non-retina iPad	Optional, but recommended
50x50	Icon-Small— 50.png	Spotlight for non-retina iPad	Optional, but recommended
58x58	Icon- Small@2x.png	Spotlight & Settings for retina iPhone/iPod Touch, as well as Settings on retina iPad	Optional, but recommended
100x100	Icon-Small— 50@2x.png	Spotlight for retina iPad	Optional, but recommended

App Launch Screen Standard Sizes & File Names Launch Screen Dimensions

Device	Portrait	Landscape
iPhone & iPod Touch	320x480 (640x960 @2x)	Not Supported
iPhone & iPod Touch (5th Gen.)	640x1136	Not Supported
iPad	768x1004 (1536x2008 @2x)	1024x768 (2048x1496 @2x)

Launch Image Name Orientation Modifiers

Modifier	Description	
- PortraitUpsideDown	Specifies an upside-down portrait version of the launch image. A file with this modifier takes precedence over a file with the -Portrait modifier for this specific orientation.	
-LandscapeLeft	Specifies a left-oriented landscape version of the launch image. A file with this modifier takes precedence over a file with the -Landscape modifier for this specific orientation.	
-LandscapeRight	Specifies a right-oriented landscape version of the launch image. A file with this modifier takes precedence over a file with the -Landscape modifier for this specific orientation.	
-Portrait	Specifies the generic portrait version of the launch image. This image is used for right-side up portrait orientations and takes precedence over the Default.png image file (or your custom-named replacement for that file). If a file with the -PortraitUpsideDown modifier is not specified, this file is also used for upside-down portrait orientations as well.	
-Landscape	Specifies the generic landscape version of the launch image. If a file with the -LandscapeLeft or - LandscapeRight modifier is not specified, this image is used instead. This image takes precedence over the Default.png image file (or your custom-named replacement for that file).	
(none)	If you provide a launch image file with no orientation modifier, that file is used when no other orientation-specific launch image is available. For apps running on systems earlier than iOS 3.2, you must name this file Default.png.	

Android

On the Android side of the business, it's a little more work up-front to figure out what images you'll need to produce. A different file size will be required for each targeted resolution. You should consult the developer on the project to know what the target resolutions are for your particular product, but here is a list of the most common:

Common Resolutions

Android Tablets	Android Phones
1280x800	320x480
1024x600	480x800
	480x854
	540x960
	1280x720

Sizing For Resolution

Android screens, in addition to their pixel-based resolution, also have a multitude of pixel densities to account for as well. Teehan+Lax have a conversion tool (http://www.teehanlax.com/blog/density-converter/) that helps calculate the dimensions of your images at different pixel density displays for the resolution in question.

Android Pixel Densities

• Non-Retina/MDPI (100%)

- HDPI (150%)
- Retina (200%)
- XHDPI (225%)

9-Patch Images for Scaling

Android images used for scaling, like for button backgrounds or borders, use a technique called 9-Patch where the image being scaled is split into a grid of 9 sections:

Top-Left	Top-Middle	Top-Right
Middle-Left	Middle-Middle	Middle-Right
Bottom-Left	Bottom-Middle	Bottom-Right

The four corners of the image essentially remain static and the connecting pieces (the middles) stretch to fill the area of the object this image is designed to cover. See the Android Developer Website for more information http://developer.android.com/tools/help/draw9patch.html.

Naming Conventions

The Android OS manages fetching of images from the app bundle based on screen resolution/density and looks for the asset resources in cooresponding directories (as opposed to modifiers in the title of the image name in the case of iOS).

So, create a separate director for each target resolution.

Start with the root of what the asset is/does

- screenname_type_thing / action_state i.e.
 - settings_tableview_background
 - agenda_listcell_icon_breakout
 - speakerprofile_button_share_down
- if 9-patch scalable image, add .9 before the extension
 - settings_tableview_background.9.png
 - agenda_listcell_icon_breakout.9.png

Iconography Size & Scale

Size (1 dp = 1 px @ 160dpi)	Usage
48x48	Home Screen/Launcher Icon
512x512	Google Play Icon
32x32 — Full Asset :: 24x24 — Drawn/Optical Area	Action Bar Icons
16x16 — Full Asset :: 12x12 — Drawn/Optical Area	Contextual Icons
24x24 — Full Asset :: 22x22 — Drawn/Optical Area	Notification Icons