# UIKit lib basic Integration

To support backward compatibility of different UI components, UIKitLIb uses appcompat lib. So the base activity always extends from AppCompatActivity.

Documentation: Open index.html file from JavaDoc.zip and search for MainActivity. MainActivity provides all the components Javadoc link.

## Steps to integrate:

Before using any feature, the lib must be included in the project.

The recommended way is to have artifactory dependency pointing to uikitlib.

Online build:

compile 'com.philips.cdp:uikitLib:3.2.0'   (works in Philips network)

Using aar file:

Add below dependency in your app build.gradle and place aar files in libs folder

compile **'com.android.support:support-annotations:22.2.0'**compile **'com.android.support:appcompat-v7:23.1.1'**compile **'uk.co.chrisjenx:calligraphy:2.1.0'**compile **'com.android.support:design:23.1.1'**compile **'com.shamanland:fonticon:0.1.8'**compile **'com.android.support:cardview-v7:+'**compile **'com.android.support:recyclerview-v7:+'**

Add below line inside defultConfig in app build.gradle file

defaultConfig {

generatedDensities = []  
}

Artifactory link . Include maven dependency in project build.gradle(not app)

allprojects {  
 repositories {  
 maven {  
 url 'http://maartens-mini.ddns.htc.nl.philips.com:8081/artifactory/libs-release-local-android'  
 }  
 }  
}

Make sure you use http**s** proxy when downloading library or else it would not download.

### Choose theme: Lib support two variants of themes (Solid and gradient version).

Various themes can be accessed with Theme.Philips.\* and Theme.Philips.\*.Gradient

Example: Blue theme Solid-> **Theme.Philips.DarkBlue**

Gradient-> **Theme.Philips.DarkBlue.Gradient**

### Extend from UIKitActivity-> UIKitActivity provides some common customizations to achieve some goals like having common fonts across all activities.

Example: **public class** MyActivity **extends** UiKitActivity {}

### Using custom fonts:

UIKit uses open source lib [Calligraphy](https://github.com/chrisjenx/Calligraphy) for font customization.

Define fontpath=”fonts/myfont.ttf” in xml for text view to use custom font.

### VectorDrawable Support: Custom <vector> tag is recognized only on or after Lollipop. Vector Drawable is taken from AOSP version 5.0.0\_r2

But still it can be used via programmatically.

Example: -> Drawable d = VectorDrawable.create(context, R.drawable.xyz, theme);

1. Set Theme:

Apply a theme to an Activity or application

To set a theme for all the activities of your application, open the AndroidManifest.xml file and edit the <application> tag to include the UIKit theme attribute with the style name. For example:

<application android:theme=" @style/Theme.Philips.BrightAqua">

If you want a theme applied to just one Activity in your application, then add the android:theme attribute to the <activity> tag instead.

<activity android:theme="@style/Theme.Philips.BrightAqua ">

Theme can set through code

Example: for BrightBlue theme

setTheme(R.style.Theme\_Philips\_BrightBlue);

1. Language Support
2. In Activity/Application, set the path of your JSON file location, which contains the key-value string translations, this needs to be set each time the new JSON is downloaded. Set **null** if look up is not required.

**UikitLocaleHelper.setFilePath(pathOfJSON)**

1. Translations in all views using setText(), setHint(), etc would be handled by UIKit library based on the string resourceID used in JSON
2. ~~Model alert~~

~~To support model alert include below script under defaultConfig on application build.gradle file~~

~~renderscriptTargetApi 23~~

~~renderscriptSupportModeEnabled true~~

1. UiKit supporting 18 themes

Theme.Philips.DarkBlue

Theme.Philips.DarkPurple

Theme.Philips.DarkGreen

Theme.Philips.DarkOrange

Theme.Philips.DarkAqua

Theme.Philips.DarkPink

Theme.Philips.BrightOrange

Theme.Philips.BrightAqua

Theme.Philips.BrightGreen

Theme.Philips.BrightPink

Theme.Philips.BrightBlue

Theme.Philips.BrightPurple

Theme.Philips.LightBlue

Theme.Philips.LightOrange

Theme.Philips.LightAqua

Theme.Philips.LightGreen

Theme.Philips.LightPink

Theme.Philips.LightPurple