

# Decoding what Eclipse's File / New / Android Application Project wizard does.

## Intro

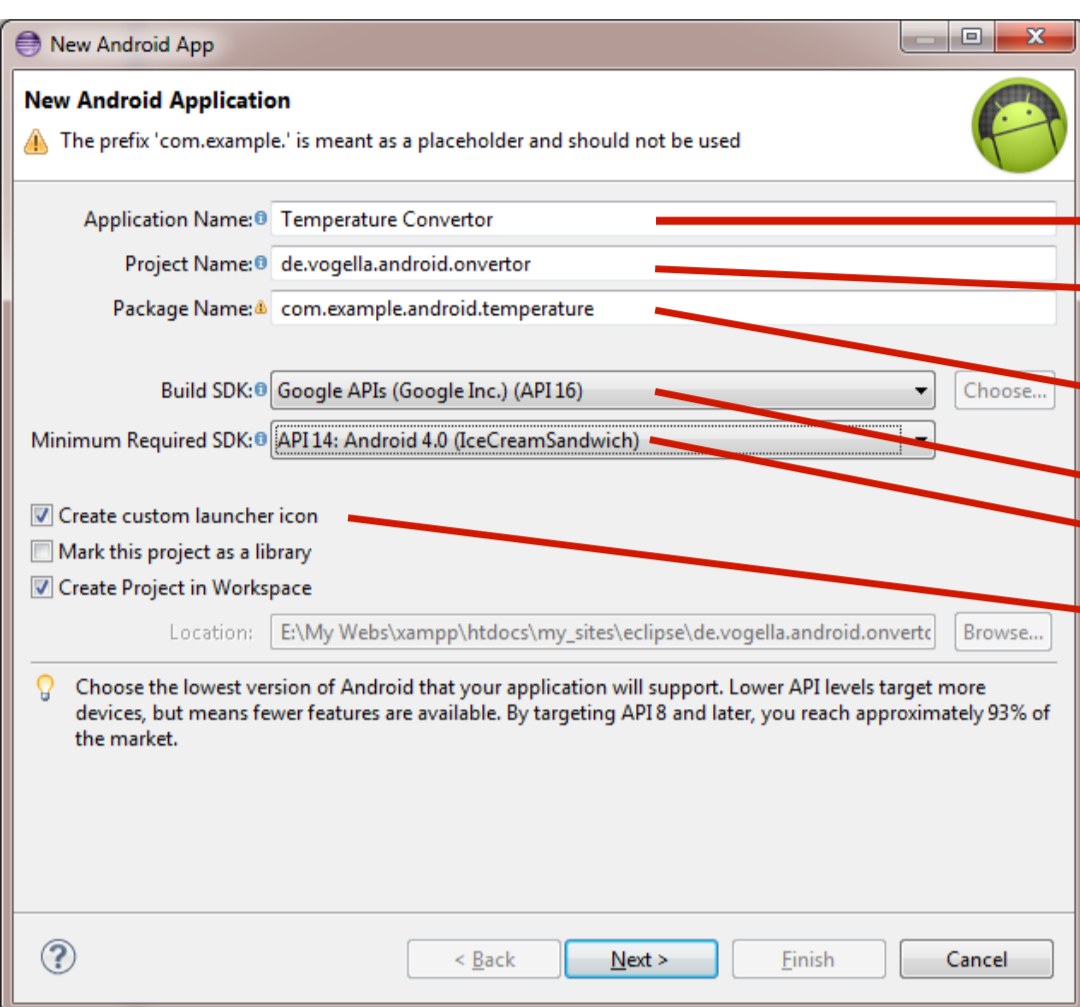
This document has been put together to help newbies like me understand the changes that have taken place with Eclipse's New Android Application Project wizard as many web based tutorials and current Android books show the workings of older wizards which can result in confusion.

The document goes through the New Android Application Project wizard and highlights where each element of the information that you supply is used within the project files.

So this wizard is based on Eclipse 4.2.1 and Android SDK Tools 20.0.3.

Credit to @xcopy (<http://p2p.wrox.com/members/xcopy.html>) for helping pull this document together.

Roger Wolfendale, 7 Oct 2012



Declared in strings.xml as `<string name="app_name">Temperature Convertor</string>`

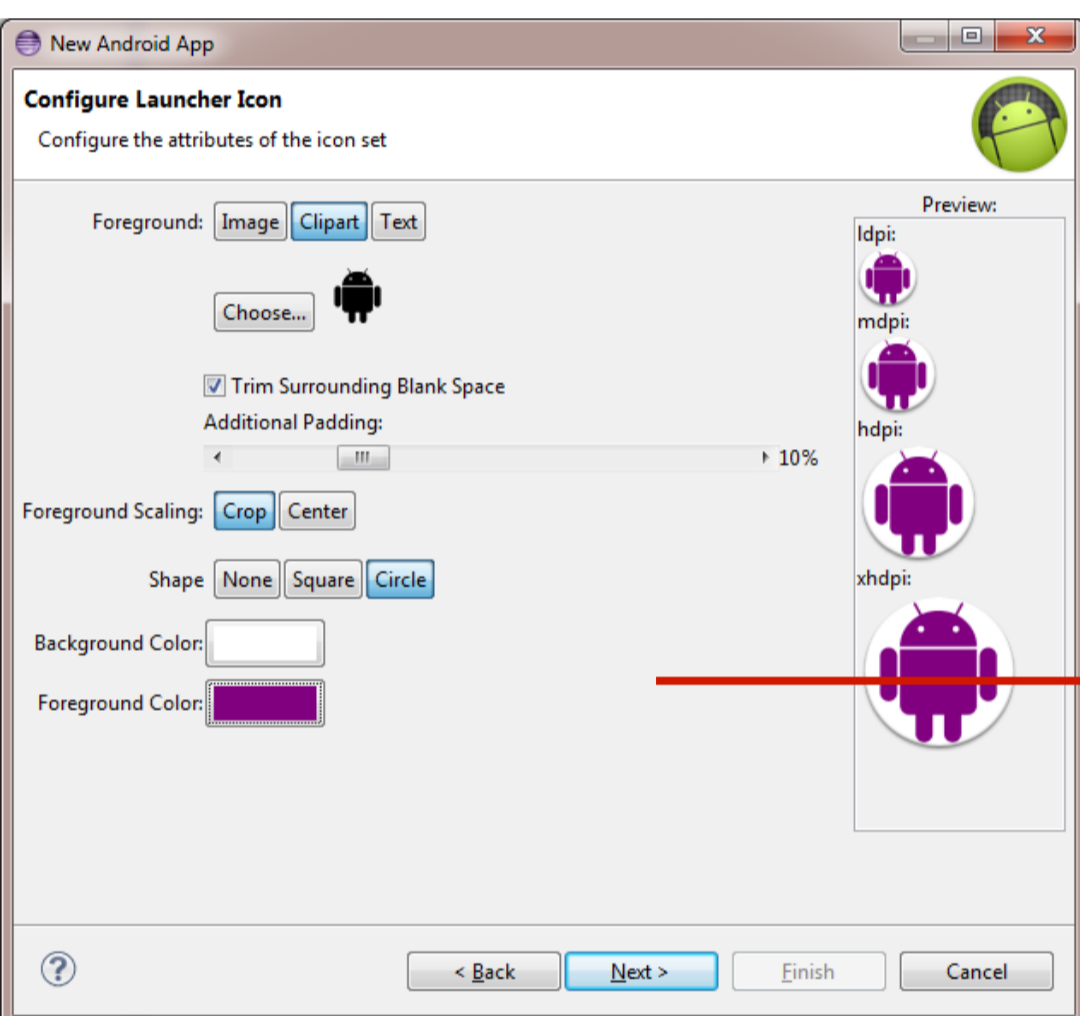
Becomes the Project Name within Eclipse's Package Explorer screen i.e. becomes the top level container; it contains all the projects sub-folders, packages, and their corresponding files.

Is listed in the src folder and is declared in the AndroidManifest.xml file as `package="com.example.android.temperature"`

Declared in AndroidManifest.xml `android:targetSdkVersion="XX"`

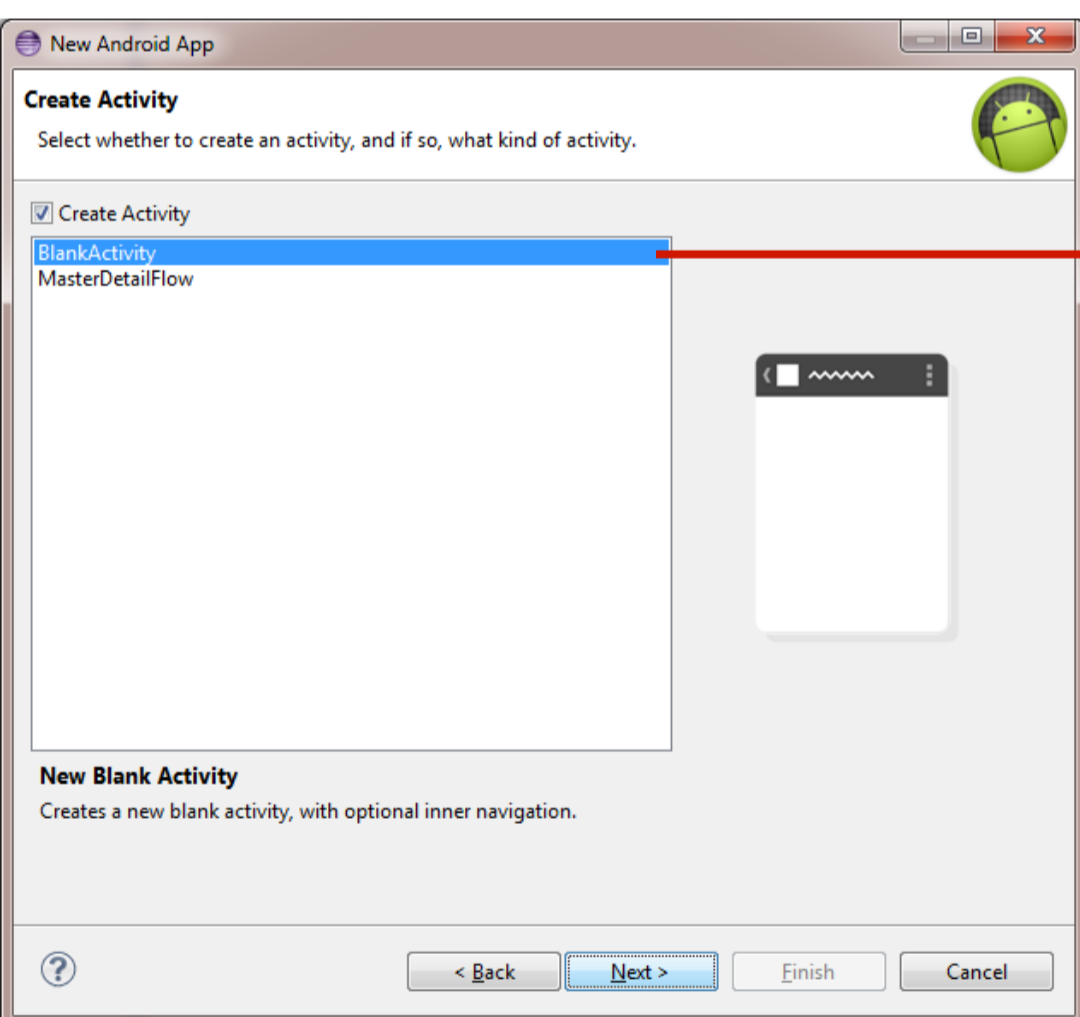
Declared in AndroidManifest.xml `android:minSdkVersion="XX"`

If checked opens the next screen for selecting an icon. This can be left unchecked as a default icon will be created if that is the case.



Generates several versions of the icon in the res folder for differing screen sizes i.e.  
a) `res/drawable-hdpi/ic_launcher.png`  
b) `res/drawable-ldpi/ic_launcher.png`  
c) `res/drawable-mdpi/ic_launcher.png`  
d) `res/drawable-xhdpi/ic_launcher.png`

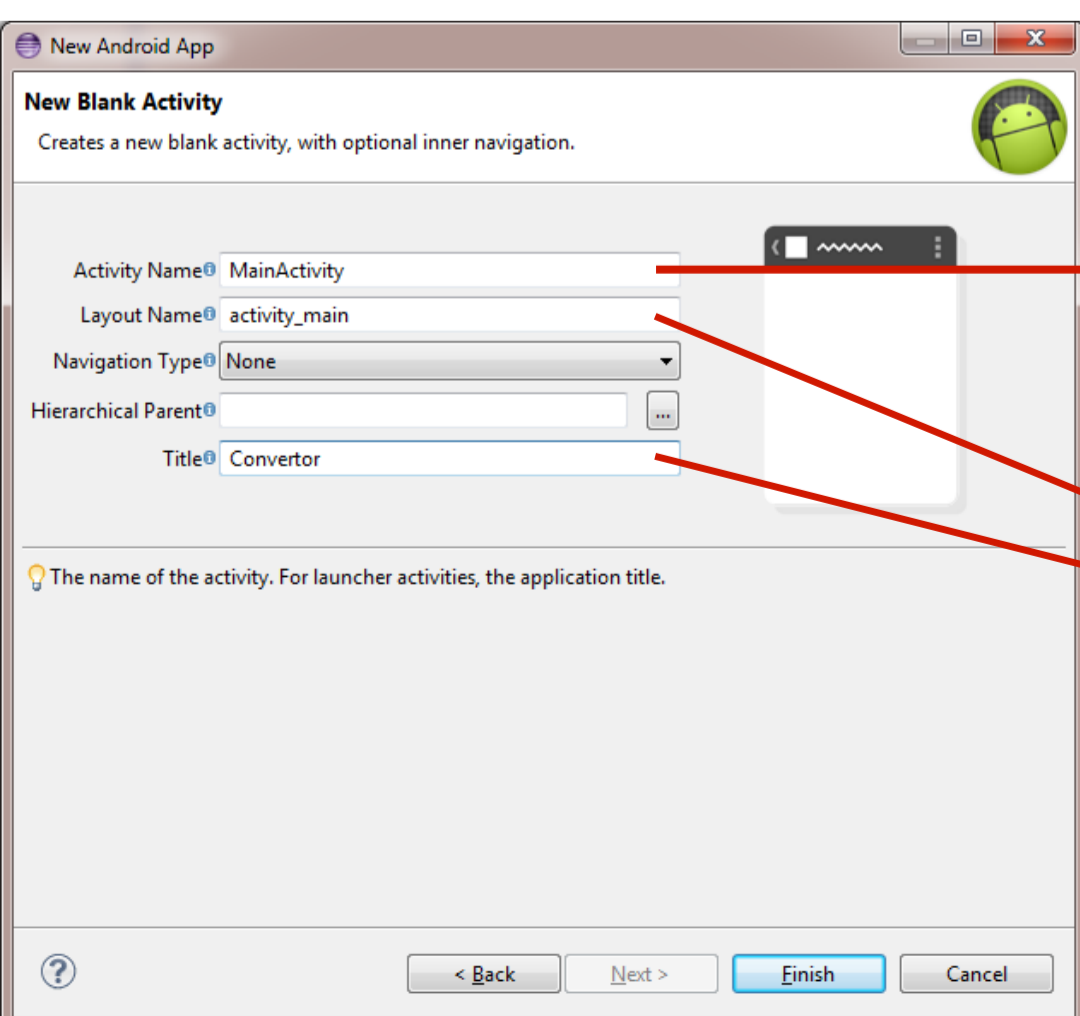
Also gets declared in the AndroidManifest.xml file as  
`<application  
    android:icon="@drawable/ic_launcher"`



If checked this will generate the next screen and also create :

- a) A default "Hello World!" layout file [activity\_main.xml] will be created and placed in the res/layout folder
- b) A default [MainActivity].java file will be created and placed in the /src folder (i.e. your primary code location)
- c) Corresponding entries for the [MainActivity].java file, and the activity intent-filter, necessary to launch it, are created in the manifest.xml file.

Not checking the "Create Activity" check box means that you need to create these files and modify the manifest yourself.



Becomes the MainActivity.java file within the src folder and gets declared in  
a) the layout/activity\_main.xml file as `tools:context=".MainActivity"`  
b) the AndroidManifest.xml file as  
`<activity  
    android:name=".MainActivity"  
    android:label="@string/title_activity_main" >`

Becomes the filename in the layout folder i.e. layout/activity\_main.xml

Gets declared in the strings.xml file as `<string name="title_activity_main">Convertor</string>`