Gradle- the basics

Open Project

Gradle is a build system, like make, it can be very complex. Fortunately AS handles most of the gradle tasks for you with some exceptions. For instance changing what APIs your device targets, or what version of the apprompatibility library it uses. These usually come up when importing someone elses projects and you dont have the same SDKs installed on your machine that the original author does (like when you import my projects). This is a short guide on dealing with those situations.

Open build.gradle (for the application) first lib or application (see first line in gradle file) apply plugin: 'com.android.library' or apply plugin: 'com.android.application' Check your compileSdkVersion is it installed (red squiggles if not) If not do so or change to one you have, careful when going backwards use latest SDK defined in the SDK manager that you have Defaultconfig which versions you support min to target and all in between buildtypes (not really relevant in this class) used to support different project flavors for instance a freemium verses paid proguard is security and obfuscation dependencies libraries you need (where to find) support lib – look in your sdk location \$ANDROID SDK/extras/android/m2repository/com/android/support/appcompat-v7 choose the latest with the major build number thats equiv to your compileSdkVersion BTW if you change any of these settings resync gradle files and rebuild settings.gradle - whats in this project want to add library as a dependency? First see https://developer.android.com/studio/projects/android-library.html in the com.android.application gradle file add adependency in the dependencies section like so dependencies {

compile fileTree(dir: 'libs', include: ['*.jar'])

compile 'com.android.support:appcompat-v7:25.1.0'

testCompile 'junit:junit:4.12'

}

compile project(":bitmap_utilities")