

Generating JavaDocs

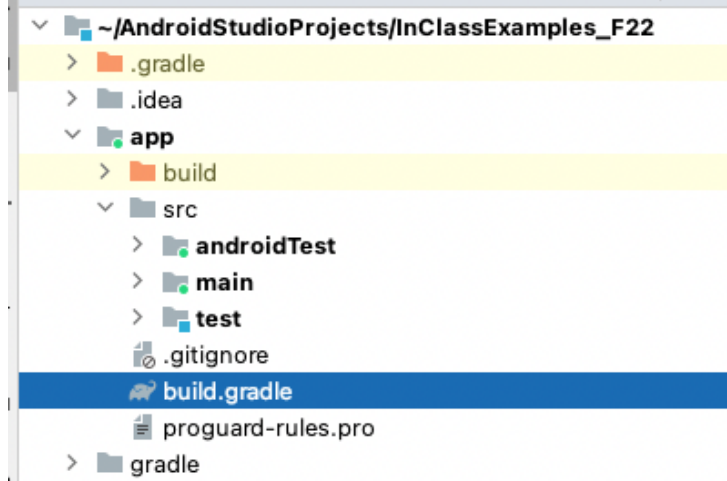
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Thu 06/10/2022 15:59

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The normal way of generating Javadocs for lab 5 is broken because it doesn't include the Android.jar from the Android platform library.

There's a work-around by adding this task declaration to app/build.gradle



```
android.applicationVariants.all { variant ->
    task("generate${variant.name.capitalize()}Javadoc", type: Javadoc) {
        description "Generates Javadoc for $variant.name."

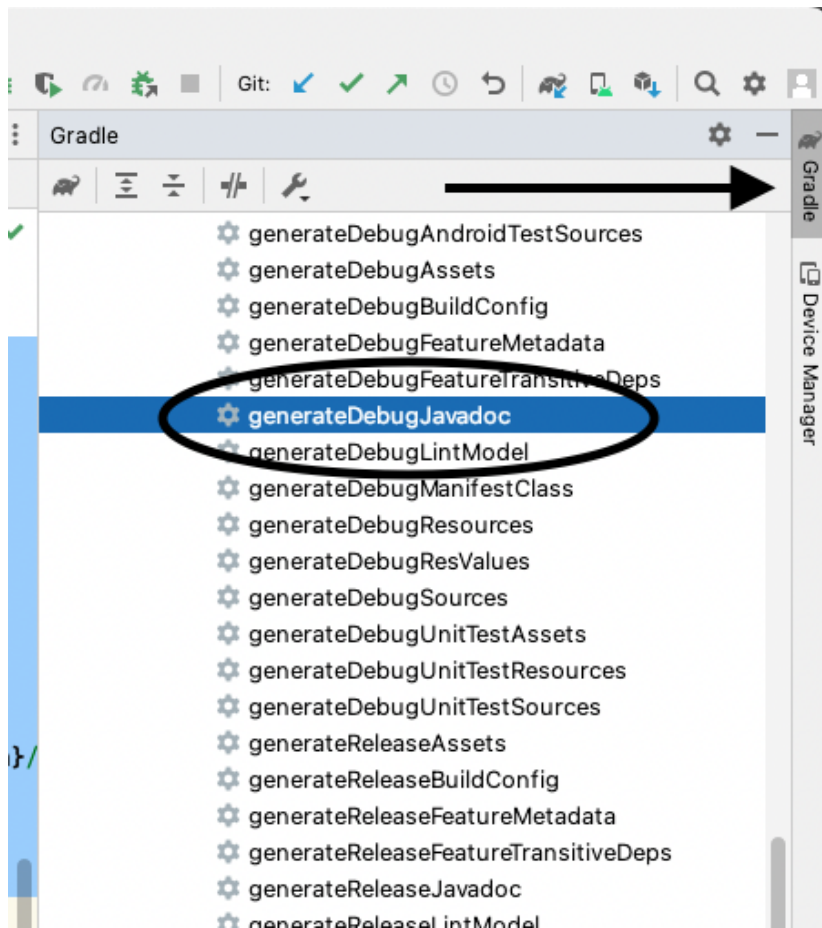
        source = variant.javaCompile.source
        destinationDir = file("$rootDir/javadoc/")
        failOnError false

        doFirst {
            ext.androidJar =
"$${android.sdkDirectory}/platforms/${android.compileSdkVersion}/android.jar"
            classpath = files(variant.javaCompile.classpath.files) + files(ext.androidJar)
            options.addStringOption "-show-members", "package"
        }
    }
}
```

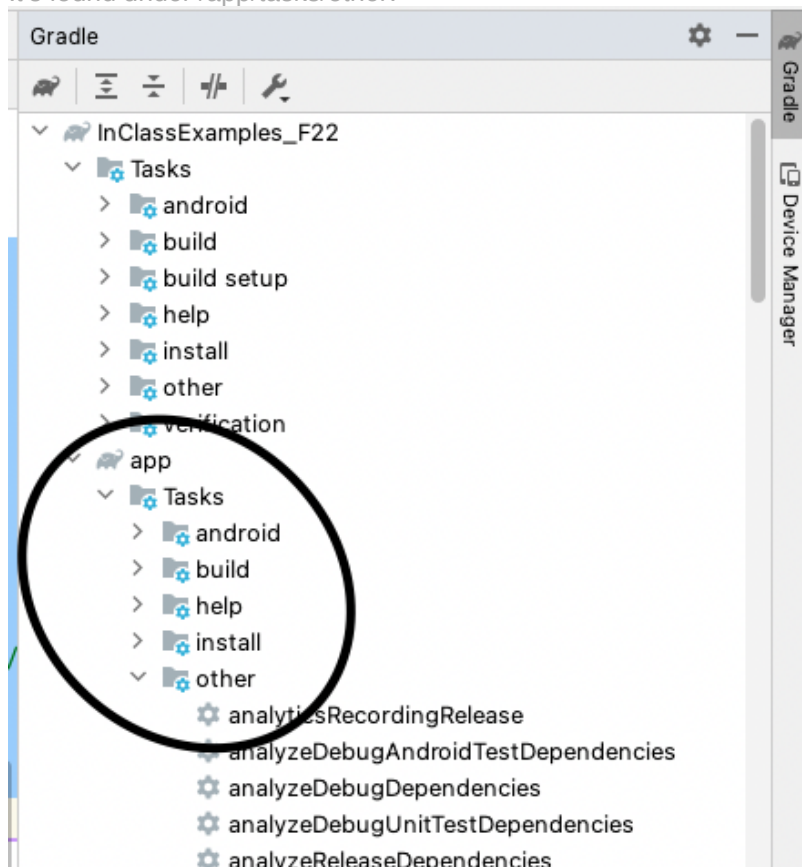
If you add this code in build.gradle like this:

```
33 }
34
35 android.applicationVariants.all { variant ->
36     task("generate${variant.name.capitalize()}Javadoc", type: Javadoc) {
37         description "Generates Javadoc for $variant.name."
38
39         source = variant.javaCompile.source
40         destinationDir = file("$rootDir/javadoc/")
41         failOnError false
42
43         doFirst {
44             ext.androidJar = "${android.sdkDirectory}/platforms/${android.compileSdkVersion}
45             classpath = files(variant.javaCompile.classpath.files) + files(ext.androidJar)
46             options.addStringOption "-show-members", "package"
47         }
48     }
49
50 dependencies {
51
52     implementation 'androidx.appcompat:appcompat:1.5.1'
53     implementation 'com.google.android.material:material:1.6.1'
54     implementation 'androidx.constraintlayout:constraintlayout:2.1.4'
55     testImplementation 'junit:junit:4.13.2'
56     androidTestImplementation 'androidx.test.ext:junit:1.1.3'
57     androidTestImplementation 'androidx.test.espresso:espresso-core:3.4.0'
58 }
```

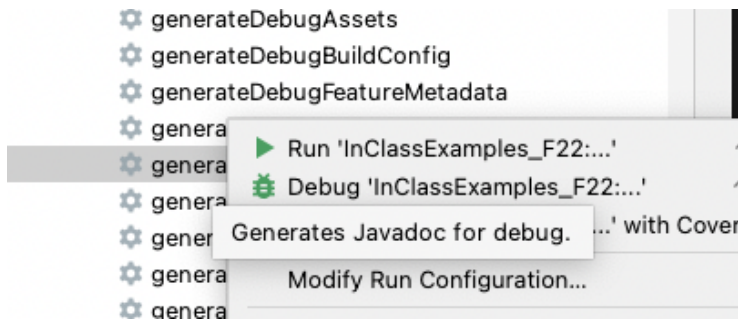
Then in the gradle toolbar, you'll see this:



It's found under `/app/tasks/other`:



Then, you right-click to run or debug the task



and you should see a /Javadoc folder

