

CSE 162 - Lab 3 Supplementary Activity Recognition, System Config

Working configurations

Here are two sets of working configurations. Please implement the following, with detailed gradle settings on the following slides.

Windows:

Java 22 environment

Gradle wrapper: Gradle 7.2

SDK: from 21-29, targeting 27

JDK: Corretto-11 (you can download it from

<https://docs.aws.amazon.com/corretto/latest/corretto-11-ug/downloads-list.html>)

AVD: API 35

Mac:

SDK: from 21-29, targeting 27

JDK: Android Default 11.0.13

AVD: API 31

AR ActivityRecognition-2 Version control Pixel 8 Pro API 35 app : To A E S Q C ? - X

Android

app

- manifests
- Java
 - ar_demo
 - services
 - utils
 - Constant
 - MainActivity
- edu.dartmouth.cs.dartnets.ar_demo (androidTest)
- edu.dartmouth.cs.dartnets.ar_demo (test)
 - ExampleUnitTest
- java (generated)
- res
 - drawable
 - layout
 - activity_main.xml
 - mipmap
 - values
 - colors.xml
 - dimens.xml
 - strings.xml
 - styles.xml
- res (generated)

Gradle Scripts

- build.gradle (Project: ActivityRecognition-2)
- build.gradle (Module: app)
- proguard-rules.pro (ProGuard Rules for ":app")
- gradle.properties (Project Properties)
- gradle-wrapper.properties (Gradle Version)
- local.properties (SDK Location)
- settings.gradle (Project Settings)

build.gradle (ActivityRecognition-2) x build.gradle (:app) gradle-wrapper.properties Constant.java AndroidManifest.xml

```
1 // Top-level build file where you can add configuration options common to all sub-projects/modules.
2
3 buildscript {
4
5     repositories {
6         google()
7         jcenter()
8     }
9
10    dependencies {
11        classpath 'com.android.tools.build:gradle:4.2.0'
12
13        // NOTE: Do not place your application dependencies here; they belong
14        // in the individual module build.gradle files
15    }
16
17
18    allprojects {
19        repositories {
20            google()
21            jcenter()
22        }
23    }
24
25    task clean(type: Delete) {
26        delete rootProject.buildDir
27    }
28}
```

Logcat Logcat x

Pixel 8 Pro API 35 (emulator-5554) Android Unknown package:mine Cc LF UTF-8 4 spaces

ActivityRecognition-2 > build.gradle

AR ActivityRecognition-2 Version control

Pixel 8 Pro API 35 app

build.gradle (ActivityRecognition-2) build.gradle (:app) gradle-wrapper.properties Constant.java AndroidManifest.xml

Android

app

manifests

AndroidManifest.xml

java

ar_demo

services

utils

Constant

MainActivity

edu.dartmouth.cs.dartnets.ar_demo (androidTest)

edu.dartmouth.cs.dartnets.ar_demo (test)

ExampleUnitTest

java (generated)

res

drawable

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activity_main.xml

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res (generated)

Gradle Scripts

build.gradle (Project: ActivityRecognition-2)

build.gradle (Module :app)

proguard-rules.pro (ProGuard Rules for ":app")

gradle.properties (Project Properties)

gradle-wrapper.properties (Gradle Version)

local.properties (SDK Location)

settings.gradle (Project Settings)

Logcat Logcat

Pixel 8 Pro API 35 (emulator-5554) Android Unknown package:mine

ActivityRecognition-2 > app > build.gradle

31:1 LF UTF-8 4 spaces

```
apply plugin: 'com.android.application'

android {
    compileSdkVersion 29
    defaultConfig {
        applicationId "edu.dartmouth.cs.dartnets.ar_demo"
        minSdkVersion 21
        targetSdkVersion 27
        versionCode 1
        versionName "1.0"
        testInstrumentationRunner "androidx.test.runner.AndroidJUnitRunner"
    }
    buildTypes {
        release {
            minifyEnabled false
            proguardFiles getDefaultProguardFile('proguard-android.txt'), 'proguard-rules.pro'
        }
    }
}

dependencies {
    implementation fileTree(dir: 'libs', include: ['*.jar'])
    implementation 'androidx.appcompat:appcompat:1.1.0'
    implementation ('com.google.android.gms:play-services-location:15.0.0') {
        exclude group: "com.android.support"
    }
    testImplementation 'junit:junit:4.12'
    androidTestImplementation 'androidx.test.ext:junit:1.1.1'
    androidTestImplementation 'androidx.test.espresso:espresso-core:3.2.0'
}
```

AR ActivityRecognition-2 Version control Pixel 8 Pro API 35 app : package:mine gradle.properties

Android

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```
1 # Project-wide Gradle settings.
2 # IDE (e.g. Android Studio) users:
3 # Gradle settings configured through the IDE *will override*
4 # any settings specified in this file.
5 # For more details on how to configure your build environment visit
6 # http://www.gradle.org/docs/current/userguide/build\_environment.html
7 # Specifies the JVM arguments used for the daemon process.
8 # The setting is particularly useful for tweaking memory settings.
9 android.enableJetifier=true
10 android.useAndroidX=true
11 org.gradle.jvmargs=-Xmx1536m
12 # When configured, Gradle will run in incubating parallel mode.
13 # This option should only be used with decoupled projects. More details, visit
14 # http://www.gradle.org/docs/current/userguide/multi\_project\_builds.html#sec:decoupled\_projects
15 # org.gradle.parallel=true
```

16

package:mine

ActivityRecognition-2 > gradle.properties

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