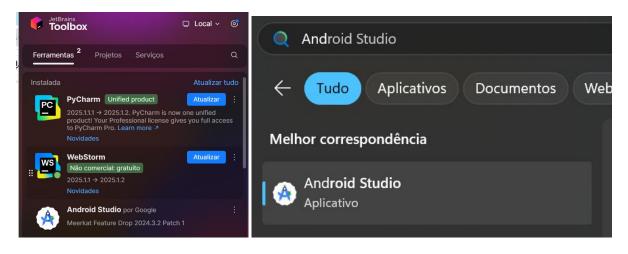
CRIANDO PROJETO KOTLIN

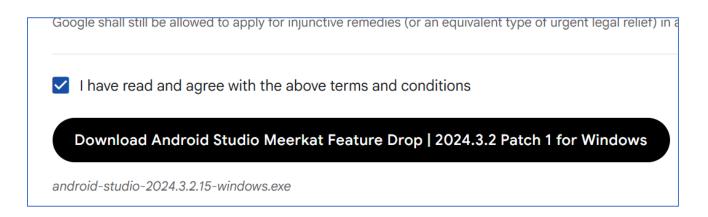
PRÉ-REQUISITOS:

1 - Ter **Android Studio** já instalado na máquina.

Procure se tem no Toolbox. Ou se está já instalado na máquina.



Senão, instale o AndroidStudio pelo link = Download Android Studio & App Tools - Android Developers



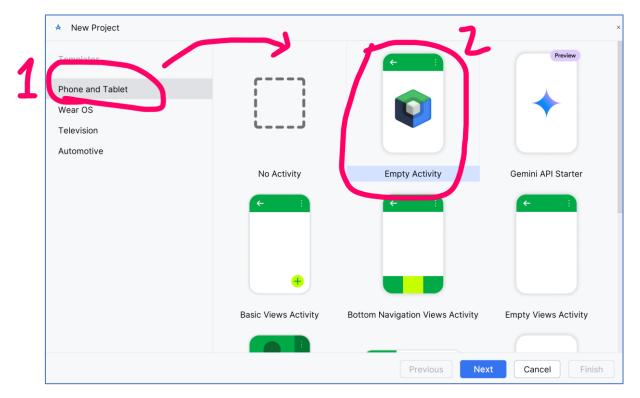
CRIANDO O PROJETO KOTLIN:

1 – Vamos criar um novo projeto Kotlin chamado "KotlinApp"

Clique em "New Project"



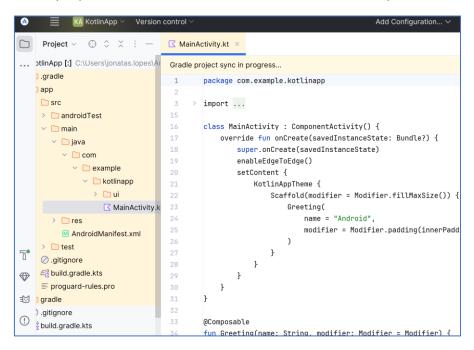
2 - Selecione Phone and Tablet > EmptyActivity



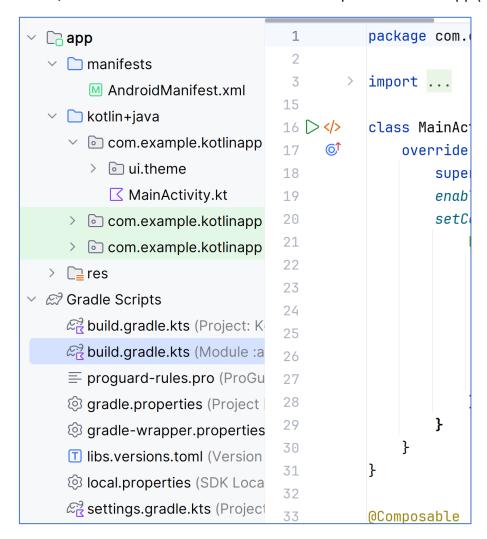
2 - Escreva o nome do projeto, ele automaticamente atualiza os outros campos

Create a new empty activity with	a laterali Company
	n Jetpack Compose
Name	KotlinApp
Package name	com.example.kotlinapp
Save location	C:\Users\jonatas.lopes\AndroidStudioProjects\KotlinApp
Minimum SDK	API 24 ("Nougat"; Android 7.0)
	1 Your app will run on approximately 98,6% of devices. Help me choose
Build configuration language ③	Kotlin DSL (build.gradle.kts) [Recommended]

3 - Aguarde ele criar, (as pastas vão ficar assim inicialmente... mas depois ele arruma)



4 - Aplicativo Criado, o **AndroidManifest** é onde se coloca as permissões do App (câmera etc.)

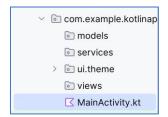


O build.gradle.kts (Module) é onde instalamos as libs.

SUGESTÃO:

Crie os pacotes (packages):

- models (onde você colocará as interfaces e objetos serializáveis)
- services (onde ficarão os serviços que lidam com os dados)
- views (onde se declara as telas do App)



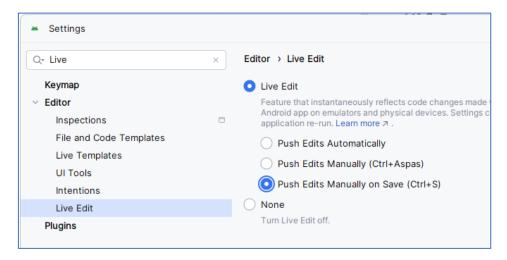
Outra sugestão -> importe e instale as libs usadas nas aulas. (ver aulas nº 41 a 46)

FERRAMENTAS

1 - DEVICE MANAGER (onde você vê os celulares virtuais instalados)



2 - LIVE EDIT = Vá em settings > Editor > Live Edit



3 - Lib = Gson, Alterar o build.graddle

```
> o com.example.test (andr
                                                                                                            dependencies {
             > o com.example.test (test)
                                                                                        43
     > 🗀 res
                                                                                                                        implementation(libs.androidx.core.ktx)
            res (generated)
                                                                                                                        implementation(libs.androidx.lifecycle.runtime.ktx)
                                                                                        45

✓ Ø Gradle Scripts

                                                                                                                        implementation(libs.androidx.activity.compose)
                                                                                                                        implementation(platform(libs.androidx.compose.bom))
                                                                                       47
            E build.gradle.kts (Project: T
                                                                                                                        implementation(libs.androidx.vi)
            & build.gradle.kts (Module :a
                                                                                                                        implementation(libs.androidx.vi.graphics)
                                                                                        49
            ≡ proguard-rules.pro (ProGu
                                                                                                                        implementation(libs.androidx.ui.tooling.preview)
            gradle.properties (Project
                                                                                                                        implementation(libs.androidx.material3)
            @ gradle-wrapper.properties
                                                                                                                        testImplementation(libs.junit)
                                                                                        52
            ■ libs.versions.toml (Version
                                                                                                                        androidTestImplementation(libs.androidx.junit)
            (SDK Located Including Inc
                                                                                                                        androidTestImplementation(libs.androidx.espresso.com
                                                                                        54
            € settings.gradle.kts (Project
                                                                                       55
                                                                                                                        androidTestImplementation(platform(libs.androidx.com
                                                                                                                        androidTestImplementation(libs.androidx.vi.test.juni
                                                                                                                        debugImplementation(libs.androidx.vi.tooling)
                                                                                        58
                                                                                                                        debugImplementation(libs.androidx.vi.test.manifest)
                                                                                                                        implementation("com.google.code.gson:gson:2.10.1")
                                                                                        59
                                                                                                            }
```

4 - Lib = Ktor Client, Alterar o build.gradle

```
✓ ₤ Gradle Scripts

Æ build.gradle.kts (Project: Test)

Æ build.gradle.kts (Module :app)

plugins {
```

```
plugins {
    alias(libs.plugins.android.application)
    alias(libs.plugins.kotlin.android)
    alias(libs.plugins.kotlin.compose)
    kotlin("plugin.serialization") version "1.9.10"
}
```

```
implementation("com.google.code.gson:gson:2.10.1")
implementation("io.ktor:ktor-client-core:3.0.0")
implementation("io.ktor:ktor-client-android:3.0.0")
implementation("io.ktor:ktor-client-logging:3.0.0")
implementation("io.ktor:ktor-client-content-negotiation:3.0.0")
implementation("io.ktor:ktor-serialization-kotlinx-json:3.0.0")
implementation("org.slf4j:slf4j-android:1.7.36")
implementation("org.jetbrains.kotlinx:kotlinx-serialization-json:1.6.3")
implementation("org.jetbrains.kotlinx:kotlinx-datetime:0.4.0")
implementation("androidx.lifecycle:lifecycle-runtime-ktx:2.6.2")
implementation("androidx.activity:activity-compose:1.7.2")
implementation("org.jetbrains.kotlinx:kotlinx-coroutines-android:1.7.3")
implementation("androidx.compose.foundation:foundation:1.5.0")
}
```