

Template Kotlin Android - Création Manuelle

Avec Gradle et Visual Studio Code

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Structure du projet

MonAppTemplate/

■■■ build.gradle.kts

■■■ settings.gradle.kts

■

■■■ app/

■■■ build.gradle.kts

■■■ src/

■■■ main/

■■■ AndroidManifest.xml

■■■ java/com/example/monapp/MainActivity.kt

■■■ res/layout/activity_main.xml

settings.gradle.kts

```
rootProject.name = "MonAppTemplate"  
include(":app")
```

build.gradle.kts (racine)

```
plugins {  
    id("com.android.application") version "8.0.2" apply false  
    id("org.jetbrains.kotlin.android") version "1.9.10" apply false  
}
```

app/build.gradle.kts

```
plugins {  
    id("com.android.application")  
    id("org.jetbrains.kotlin.android")  
}  
  
android {  
    namespace = "com.example.monapp"  
    compileSdk = 34  
  
    defaultConfig {  
        applicationId = "com.example.monapp"  
        minSdk = 24  
        targetSdk = 34  
        versionCode = 1  
        versionName = "1.0"  
    }  
  
    buildTypes {  
        release {  
            isMinifyEnabled = false  
        }  
    }  
}  
  
dependencies {  
    implementation("androidx.core:core-ktx:1.12.0")  
    implementation("androidx.appcompat:appcompat:1.6.1")  
    implementation("com.google.android.material:material:1.9.0")  
    implementation("androidx.constraintlayout:constraintlayout:2.1.4")  
}
```

AndroidManifest.xml

```
package="com.example.monapp">  
  
    android:allowBackup="true"  
    android:icon="@mipmap/ic_launcher"  
    android:label="MonAppTemplate"  
    android:supportRtl="true"  
    android:theme="@style/Theme.AppCompat.Light.NoActionBar">
```

MainActivity.kt

```
package com.example.monapp

import androidx.appcompat.app.AppCompatActivity
import android.os.Bundle
import android.widget.TextView

class MainActivity : AppCompatActivity() {
    override fun onCreate(savedInstanceState: Bundle?) {
        super.onCreate(savedInstanceState)
        setContentView(R.layout.activity_main)

        val textView = findViewById(R.id.helloText)
        textView.text = "Hello Kotlin avec VS Code ■"
    }
}
```

activity_main.xml

```
android:layout_width="match_parent"  
android:layout_height="match_parent"  
android:orientation="vertical"  
android:gravity="center">
```

```
android:id="@+id/helloText"  
android:layout_width="wrap_content"  
android:layout_height="wrap_content"  
android:text="Hello World"  
android:textSize="24sp"/>
```


Compilation

Linux / Mac :

```
./gradlew build
```

```
./gradlew assembleDebug
```

Windows :

```
gradlew.bat build
```

```
gradlew.bat assembleDebug
```

APK généré :

```
app/build/outputs/apk/debug/app-debug.apk
```