1150080067

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11\_THMT

**ACTIVITY:**

<?xml version="1.0" encoding="utf-8"?>

<androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:app="http://schemas.android.com/apk/res-auto"

xmlns:tools="http://schemas.android.com/tools"

android:layout\_width="match\_parent"

android:layout\_height="match\_parent"

android:padding="24dp"

android:background="#FAFAFA"

tools:context=".MainActivity">

<TextView

android:id="@+id/tvTitle"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Trình tải file"

android:textSize="22sp"

android:textStyle="bold"

android:textColor="#1E1E1E"

app:layout\_constraintTop\_toTopOf="parent"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintEnd\_toEndOf="parent" />

<com.google.android.material.textfield.TextInputLayout

android:id="@+id/inputLayout"

style="@style/Widget.MaterialComponents.TextInputLayout.OutlinedBox"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:hint="Nhập link tải xuống"

app:startIconDrawable="@android:drawable/ic\_menu\_share"

app:boxCornerRadiusTopStart="10dp"

app:boxCornerRadiusTopEnd="10dp"

app:boxCornerRadiusBottomStart="10dp"

app:boxCornerRadiusBottomEnd="10dp"

app:layout\_constraintTop\_toBottomOf="@id/tvTitle"

app:layout\_constraintStart\_toStartOf="parent"

app:layout\_constraintEnd\_toEndOf="parent"

app:layout\_constraintTop\_margin="24dp">

<com.google.android.material.textfield.TextInputEditText

android:id="@+id/etLink"

android:layout\_width="match\_parent"

android:layout\_height="wrap\_content"

android:inputType="textUri"

android:singleLine="true" />

</com.google.android.material.textfield.TextInputLayout>

<Button

android:id="@+id/btnDownload"

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="Tải xuống"

android:backgroundTint="#1565C0"

android:textColor="#FFFFFF"

android:textStyle="bold"

android:paddingLeft="24dp"

android:paddingRight="24dp"

android:layout\_marginTop="20dp"

app:layout\_constraintTop\_toBottomOf="@id/inputLayout"

app:layout\_constraintEnd\_toEndOf="parent" />

</androidx.constraintlayout.widget.ConstraintLayout>

**AndroidManifest.xml:**

<?xml version="1.0" encoding="utf-8"?>

<manifest xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools"

package="com.team12.downloader">

<!-- Các quyền cần thiết cho ứng dụng tải file -->

<uses-permission android:name="android.permission.INTERNET" />

<uses-permission android:name="android.permission.ACCESS\_NETWORK\_STATE" />

<uses-permission android:name="android.permission.POST\_NOTIFICATIONS" />

<uses-permission android:name="android.permission.FOREGROUND\_SERVICE" />

<uses-permission android:name="android.permission.FOREGROUND\_SERVICE\_DATA\_SYNC" />

<uses-permission

android:name="android.permission.WRITE\_EXTERNAL\_STORAGE"

android:maxSdkVersion="28" />

<uses-permission android:name="android.permission.READ\_EXTERNAL\_STORAGE" />

<!-- Đặt mức SDK -->

<uses-sdk

android:minSdkVersion="24"

android:targetSdkVersion="34" />

<application

android:name=".core.AppController"

android:label="@string/app\_name"

android:icon="@mipmap/ic\_launcher"

android:roundIcon="@mipmap/ic\_launcher\_round"

android:allowBackup="true"

android:supportsRtl="true"

android:theme="@style/Theme.Team12Downloader"

tools:targetApi="34">

<!-- Metadata cấu hình thêm -->

<meta-data

android:name="com.team12.API\_BASE\_URL"

android:value="https://api.team12lab.com" />

<meta-data

android:name="com.google.android.gms.version"

android:value="@integer/google\_play\_services\_version" />

<!-- Màn hình chính -->

<activity

android:name=".ui.MainActivity"

android:label="@string/app\_name"

android:exported="true"

android:screenOrientation="portrait">

<intent-filter>

<action android:name="android.intent.action.MAIN" />

<category android:name="android.intent.category.LAUNCHER" />

</intent-filter>

</activity>

<!-- Màn hình lịch sử tải -->

<activity

android:name=".ui.HistoryActivity"

android:label="@string/title\_history"

android:exported="false"

android:parentActivityName=".ui.MainActivity">

<meta-data

android:name="android.support.PARENT\_ACTIVITY"

android:value=".ui.MainActivity" />

**build.gradle.kts:**

plugins {

id("com.android.application")

id("org.jetbrains.kotlin.android") // hỗ trợ Kotlin

}

android {

namespace = "com.team12.downloader"

compileSdk = 34

defaultConfig {

applicationId = "com.team12.downloader"

minSdk = 23

targetSdk = 34

versionCode = 2

versionName = "1.1.0"

// Runner cho test UI

testInstrumentationRunner = "androidx.test.runner.AndroidJUnitRunner"

// Đặt tên cho APK khi build

setProperty("archivesBaseName", "Team12Downloader-v$versionName")

}

buildTypes {

debug {

isMinifyEnabled = false

applicationIdSuffix = ".debug"

versionNameSuffix = "-debug"

}

release {

isMinifyEnabled = true

isShrinkResources = true

proguardFiles(

getDefaultProguardFile("proguard-android-optimize.txt"),

"proguard-rules.pro"

)

}

}

// Bật viewBinding & buildFeatures khác

buildFeatures {

viewBinding = true

}

// Java & Kotlin version

compileOptions {

sourceCompatibility = JavaVersion.VERSION\_17

targetCompatibility = JavaVersion.VERSION\_17

}

kotlinOptions {

jvmTarget = "17"

}

// Đặt tên file APK có timestamp

applicationVariants.all {

outputs.all {

val timestamp = java.text.SimpleDateFormat("yyyyMMdd\_HHmm").format(java.util.Date())

outputFileName = "Downloader\_${versionName}\_${timestamp}.apk"

}

}

}

dependencies {

// AndroidX & Material

implementation("androidx.core:core-ktx:1.13.1")

implementation("androidx.appcompat:appcompat:1.7.0")

implementation("com.google.android.material:material:1.12.0")

implementation("androidx.constraintlayout:constraintlayout:2.2.0")

// Lifecycle, ViewModel, LiveData

implementation("androidx.lifecycle:lifecycle-runtime-ktx:2.8.4")

implementation("androidx.activity:activity-ktx:1.9.3")

// Networking (ví dụ cho download manager)

implementation("com.squareup.okhttp3:okhttp:4.12.0")

// Logging

implementation("com.jakewharton.timber:timber:5.0.1")

// Testing

testImplementation("junit:junit:4.13.2")

androidTestImplementation("androidx.test.ext:junit:1.2.1")

androidTestImplementation("androidx.test.espresso:espresso-core:3.6.1")

}