

Android Splash Screen Tutorial

Step 1) Splash Screen XML (activity_splash.xml)

- Task: Add an image to the drawable folder and display it using an ImageView. Set the background for the splash screen.

a) Add Image to Drawable

- Add your image (e.g., splash_logo.png) to the res/drawable folder in your project.

b) Define the Layout for Splash Screen

In the layout file (res/layout/activity_splash.xml), use an ImageView to display the image and set the background.

XML Code

```
<!-- res/layout/activity_splash.xml -->

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

<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:background="@color/splashBackground" <!-- Set the background color -->
    android:gravity="center"> <!-- Center the image -->

    <!-- ImageView to display the splash screen logo -->
    <ImageView
        android:id="@+id/logoImage"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/splash_logo" <!-- Replace with your image -->
        android:contentDescription="@string/app_name" /> <!-- Accessibility description -->

</RelativeLayout>



- @drawable/splash_logo: The image file you added to the drawable folder.
- @color/splashBackground: The color used for the background. You can define it in res/values/colors.xml.

```

Step 2) **Splash Screen Activity (SplashScreenActivity.java)**

- Task: Implement the code to delay the splash screen and transition to the main activity after 7 seconds.

JAVA Code

```
// Delay for 7 seconds (7000 ms) and then start the MainActivity
new Handler().postDelayed(new Runnable() {
    @Override
    public void run() {
        // Start MainActivity after the delay
        Intent intent = new Intent(SplashScreenActivity.this, MainActivity.class);
        startActivity(intent);

        // Finish the SplashScreenActivity to remove it from the back stack
        finish();
    }
}, 7000); // 7000 milliseconds = 7 seconds
}
```