

TEMA 4: USO DE startActivityForResult

Resumen de cómo funciona

1. **MainActivity:**

- Cuando se presiona el botón, se inicia **SecondActivity** usando **startActivityForResult**.
- Sobrescribe el método **onActivityResult** para recibir el resultado cuando **SecondActivity** termine.

2. **SecondActivity:**

- Cuando se presiona el botón, crea un **Intent** para devolver un resultado a **MainActivity**.
- Llama a **setResult** y **finish()** para cerrar la actividad y enviar el resultado de vuelta.

```
import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import android.widget.Toast;
import androidx.appcompat.app.AppCompatActivity;
```

```
public class MainActivity extends AppCompatActivity {
    private static final int REQUEST_CODE = 1;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
```

```
        Button button = findViewById(R.id.button_launch);
```

```
        button.setOnClickListener(new View.OnClickListener() {
```

```
            @Override
```

```
            public void onClick(View v) {
```

```
                Intent intent = new Intent(MainActivity.this, SecondActivity.class);
```

```
                startActivityForResult(intent, REQUEST_CODE);
```

```
            }
```

```
        });
```

```
    }
```

```
    @Override
```

```
    protected void onActivityResult(int requestCode, int resultCode, Intent data) {
```

```
        super.onActivityResult(requestCode, resultCode, data);
```

```
        if (requestCode == REQUEST_CODE && resultCode == RESULT_OK && data != null)
```

```
{
```

```
            String result = data.getStringExtra("resultKey");
```

```

        Toast.makeText(this, "Resultado: " + result, Toast.LENGTH_LONG).show();
    }
}
}

```

activity_main.xml

```

<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    android:gravity="center">

    <Button
        android:id="@+id/button_launch"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Lanzar SecondActivity" />
</LinearLayout>

```

```

import android.content.Intent;
import android.os.Bundle;
import android.view.View;
import android.widget.Button;
import androidx.appcompat.app.AppCompatActivity;

```

```

public class SecondActivity extends AppCompatActivity {
    private static final int RESULT_OK = 1;

```

```

    @Override

```

```

    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_second);

```

```

        Button button = findViewById(R.id.button_return);
        button.setOnClickListener(new View.OnClickListener() {
            @Override
            public void onClick(View v) {
                Intent returnIntent = new Intent();
                return Intent.putExtra("resultKey", "Hola desde SecondActivity");
                setResult(RESULT_OK, returnIntent);
                finish();
            }

```

```
    });  
  }  
}
```

activity_second.xml

```
<?xml version="1.0" encoding="utf-8"?>  
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent"  
    android:orientation="vertical"  
    android:gravity="center">  
  
    <Button  
        android:id="@+id/button_return"  
        android:layout_width="wrap_content"  
        android:layout_height="wrap_content"  
        android:text="Regresar con resultado" />  
</LinearLayout>
```