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">  
  
 <application  
 android:allowBackup="true"  
 android:dataExtractionRules="@xml/data\_extraction\_rules"  
 android:fullBackupContent="@xml/backup\_rules"  
 android:icon="@mipmap/ic\_launcher"  
 android:label="@string/app\_name"  
 android:roundIcon="@mipmap/ic\_launcher\_round"  
 android:supportsRtl="true"  
 android:theme="@style/Theme.Atelier1\_app2"  
 tools:targetApi="31">  
  
 <activity  
 android:name=".MainActivity"  
 android:exported="true">  
 <intent-filter>  
 <action android:name="android.intent.action.MAIN" />  
 <category android:name="android.intent.category.LAUNCHER" />  
 </intent-filter>  
 </activity>  
 </application>  
  
  
</manifest>

MainActvity

package tn.enig.atelier1\_app2;  
  
import android.graphics.Typeface;  
import android.os.Bundle;  
import android.widget.ArrayAdapter;  
import android.widget.ListView;  
import android.widget.TextView;  
import android.widget.Toast;  
  
import androidx.appcompat.app.AlertDialog;  
import androidx.appcompat.app.AppCompatActivity;  
public class MainActivity extends AppCompatActivity {  
  
 private ListView departmentListView;  
 private TextView selectedDepartment, departmentResult;  
 private String[] departments = {"GCR", "GEA", "GCP", "CGV"};  
  
 @Override  
 protected void onCreate(Bundle savedInstanceState) {  
 super.onCreate(savedInstanceState);  
 setContentView(R.layout.activity\_main);  
  
 departmentListView = findViewById(R.id.departmentListView);  
 selectedDepartment = findViewById(R.id.selectedDepartment);  
 departmentResult = findViewById(R.id.departmentResult);  
  
 ArrayAdapter<String> adapter = new ArrayAdapter<>(this, android.R.layout.simple\_list\_item\_1, departments);  
 departmentListView.setAdapter(adapter);  
  
 departmentListView.setOnItemClickListener((adapterView, view, position, id) -> {  
 String selectedDep = departments[position];  
  
 Toast.makeText(MainActivity.this, "Department selected: " + selectedDep, Toast.LENGTH\_SHORT).show();  
  
 new AlertDialog.Builder(MainActivity.this)  
 .setTitle("Confirmation")  
 .setMessage("Are you sure you want to select the department " + selectedDep + "?")  
 .setPositiveButton("Yes", (dialog, which) -> {  
 // Set the bold text for "Département"  
 selectedDepartment.setText("Département:");  
 selectedDepartment.setTypeface(null, Typeface.BOLD);  
 // Set the department result text  
 departmentResult.setText("Votre département: " + selectedDep);  
 })  
 .setNegativeButton("No", null)  
 .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:padding="16dp">  
  
 <!-- App Title -->  
 <TextView  
 android:id="@+id/appTitle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="App2"  
 android:textSize="18sp"  
 android:layout\_gravity="center"  
 android:textStyle="bold"/>  
  
 <!-- Blind Text (Center) -->  
 <TextView  
 android:id="@+id/departmentListTitle"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text="Liste des départements"  
 android:textSize="24sp"  
 android:layout\_gravity="center"  
 android:textStyle="bold"  
 android:textColor="#800080"  
 android:paddingBottom="10dp"/>  
  
 <!-- ListView for Departments -->  
 <ListView  
 android:id="@+id/departmentListView"  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content"  
 android:divider="@android:color/darker\_gray"  
 android:dividerHeight="1dp"/>  
  
 <!-- TextView for Department Result -->  
 <TextView  
 android:id="@+id/selectedDepartment"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=""  
 android:textSize="18sp"  
 android:layout\_marginTop="20dp"  
 android:textStyle="bold"/>  
  
 <!-- TextView for Displaying Selected Department -->  
 <TextView  
 android:id="@+id/departmentResult"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:text=""  
 android:textSize="18sp"  
 android:textStyle="italic"/>  
  
</LinearLayout>