

Lab 5: Simple Spinner App

XML layout

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools" android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="@dimen/activity_horizontal_margin"
    android:paddingRight="@dimen/activity_horizontal_margin"
    android:paddingTop="@dimen/activity_vertical_margin"
    android:paddingBottom="@dimen/activity_vertical_margin" tools:context=".MainActivity"
    android:id="@+id/c">

    <TextView android:text="hello_world" android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/selection" />

    <Spinner
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:id="@+id/spinner"
        android:layout_centerVertical="true"
        android:layout_alignParentLeft="true"
        android:layout_alignParentStart="true" />

</RelativeLayout>
```

MainActivity

```
import android.os.Bundle;
import android.support.v7.app.AppCompatActivity;
import android.view.View;
import android.widget.AdapterView;
import android.widget.AdapterView.OnItemClickListener;
import android.widget.ArrayAdapter;
import android.widget.Spinner;
import android.widget.TextView;

public class MainActivity extends AppCompatActivity implements
    AdapterView.OnItemClickListener {

    private TextView selection;
    private Spinner spin;
    private static final String[] items={"Nibali", "Froome", "Wiggins", "Evans", "Schleck*",
    "Contador", "Sastre", "Pereiro"};

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        selection=(TextView)findViewById(R.id.selection);
        spin=(Spinner)findViewById(R.id.spinner);
        spin.setOnItemSelectedListener(this);
        ArrayAdapter<String> aa=new ArrayAdapter<String>(this,
```

```
        android.R.layout.simple_spinner_item, items);
        aa.setDropDownViewResource(android.R.layout.simple_spinner_dropdown_item);
        spin.setAdapter(aa);
    }

    public void onItemSelected(AdapterView<?> parent, View v, int position, long id) {
        selection.setText(items[position]);
    }

    public void onNothingSelected(AdapterView<?> parent) {
        selection.setText("");
    }
}
```