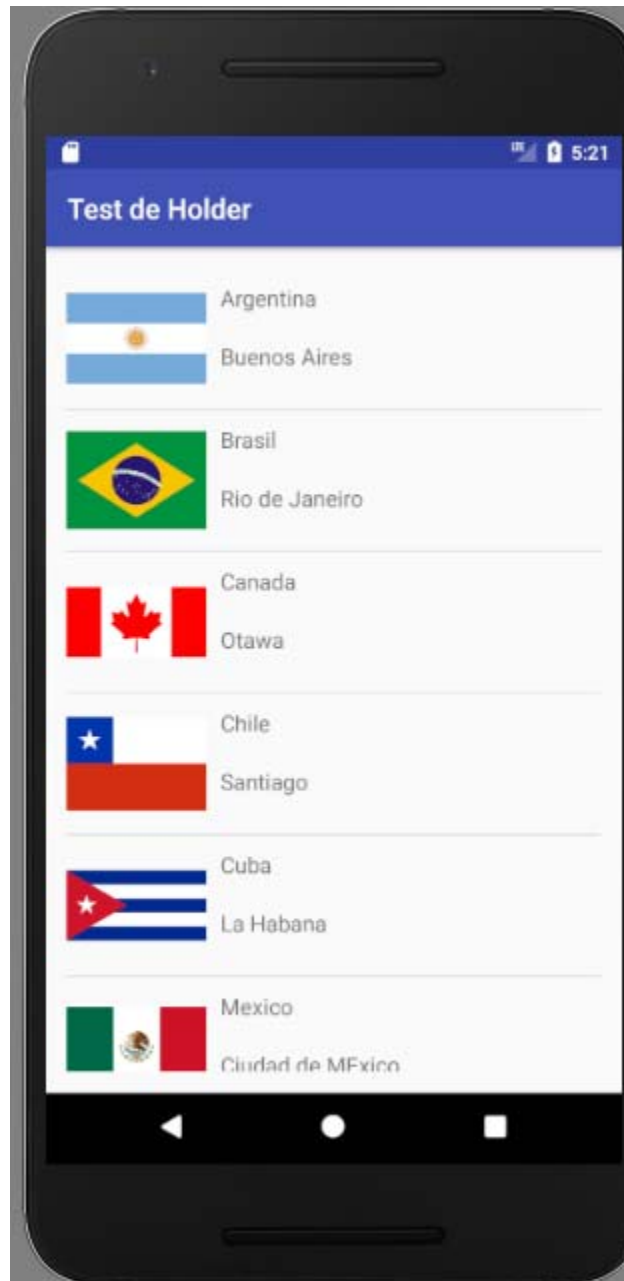


Aplicación para desplegar banderas

Esta aplicación trata de desplegar un conjunto de banderas en un ListView usando un adaptador y un holder para el manejo de los datos que serán desplegado



Este es el resultado final.

Codigo MainActivity

```
package com.example.delio.testdeholder;

import android.support.v7.app.AppCompatActivity;
import android.os.Bundle;
import android.widget.ArrayAdapter;
import android.widget.BaseAdapter;
import android.widget.ListView;

import java.util.ArrayList;

public class MainActivity extends AppCompatActivity {

    private ArrayList<Banderas> banderas;
    private BaseAdapter adapter;
    private ListView lstBanderas;
    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        banderas = new ArrayList<Banderas>();
        cargarBanderas();
        adapter = new BanderasAdapter(this, banderas);

        lstBanderas = (ListView) findViewById(R.id.lstBanderas);
        lstBanderas.setAdapter(adapter);
    }

    private void cargarBanderas(){
        banderas.add(new
Banderas(R.drawable.argentina,"Argentina","Buenos Aires"));
        banderas.add(new Banderas(R.drawable.brasil,"Brasil","Rio de
Janeiro"));
        banderas.add(new Banderas(R.drawable.canada,"Canada","Otawa"));
        banderas.add(new Banderas(R.drawable.chile,"Chile","Santiago"));
        banderas.add(new Banderas(R.drawable.cuba,"Cuba","La Habana"));
        banderas.add(new Banderas(R.drawable.mexico,"Mexico","Ciudad de
MExico"));
    }
}
```

Clase Banderas.java

```
package com.example.delio.testdeholder;
```

```
/**
 * Created by delio on 22/10/2017.
 */

public class Banderas {
    int imgBandera;
    String txtPais;
    String txtCapital;

    public Banderas(int imgBandera, String txtPais, String txtCapital) {
        this.imgBandera = imgBandera;
        this.txtPais = txtPais;
        this.txtCapital = txtCapital;
    }

    public int getImgBandera() {
        return imgBandera;
    }

    public void setImgBandera(int imgBandera) {
        this.imgBandera = imgBandera;
    }

    public String getTxtPais() {
        return txtPais;
    }

    public void setTxtPais(String txtPais) {
        this.txtPais = txtPais;
    }

    public String getTxtCapital() {
        return txtCapital;
    }

    public void setTxtCapital(String txtCapital) {
        this.txtCapital = txtCapital;
    }
}
```

Adaptador

Codigo BanderasAdapter.java

```
package com.example.delio.testdeholder;

import android.content.Context;
import android.support.annotation.LayoutRes;
import android.support.annotation.NonNull;
import android.view.LayoutInflater;
import android.view.View;
import android.view.ViewGroup;
import android.widget.ArrayAdapter;
import android.widget.ImageView;
import android.widget.TextView;

import java.util.List;

/**
 * Created by delio on 22/10/2017.
 */

public class BanderasAdapter extends ArrayAdapter<Banderas> {

    private final List<Banderas> datos;
    private final Context context;

    public BanderasAdapter(Context context, List<Banderas> datos) {
        super(context, R.layout.itembanderas, datos);
        this.datos = datos;
        this.context = context;
    }

    public View getView(int position, View convertView, ViewGroup
parent){
        View view = null;
        if(convertView==null){
            LayoutInflater inflater = LayoutInflater.from(context);
            view = inflater.inflate(R.layout.itembanderas,null);
            final ViewHolder viewHolder = new ViewHolder();

            viewHolder.imgBanderaHolder =
                (ImageView) view.findViewById(R.id.imgBandera);
            viewHolder.txtPaisHolder =
                (TextView) view.findViewById(R.id.txtPais);
            viewHolder.txtCapitalHolder =
                (TextView) view.findViewById(R.id.txtCapital);
            view.setTag(viewHolder);

        } else {
            view = convertView;
        }

        ViewHolder holder = (ViewHolder) view.getTag();

        holder.imgBanderaHolder.setImageResource(datos.get(position).getImgBander
```

```
a());  
    holder.txtPaisHolder.setText(datos.get(position).getTxtPais());  
  
holder.txtCapitalHolder.setText(datos.get(position).getTxtCapital());  
  
    return view;  
}  
  
static class ViewHolder {  
    protected ImageView imgBanderaHolder;  
    protected TextView txtPaisHolder;  
    protected TextView txtCapitalHolder;  
}  
}
```

Archivo XML

MainActivity.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    tools:context="com.example.delio.testdeholder.MainActivity">

    <ListView
        android:id="@+id/lstBanderas"
        android:layout_margin="10dp"
        android:padding="5dp"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
    </ListView>
</LinearLayout>
```

Itembanderas.xml

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

    <ImageView
        android:id="@+id/imgBandera"
        android:layout_width="100dp"
        android:layout_height="100dp" />
    <LinearLayout
        android:orientation="vertical"
        android:layout_width="match_parent"
        android:layout_height="wrap_content">
        <TextView
            android:id="@+id/txtPais"
            android:textSize="16sp"
            android:layout_margin="10dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content" />
        <TextView
            android:id="@+id/txtCapital"
            android:textSize="16sp"
            android:layout_margin="10dp"
            android:layout_width="wrap_content"
            android:layout_height="wrap_content" />
    </LinearLayout>
</LinearLayout>
```