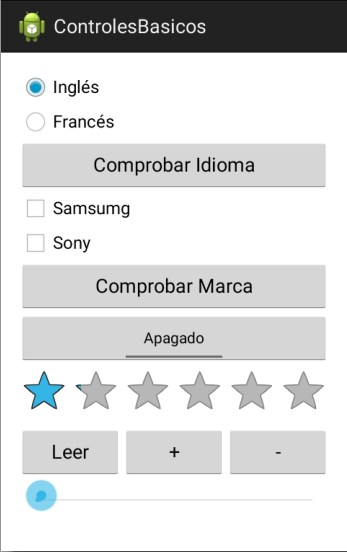
**Controles Básicos**

**Objetivo General:**

Desarrollar una app que muestre el uso de diferentes controles de interfaz de usuario, tales como CheckBox, RadioButton, RatingBar, SeekBar, y ToogleButton.

La actividad principal contará con el siguiente diseño que incluye las vistas (controles) con los que vamos a trabajar. A cada vista se le programarán diferentes eventos que respondan a las acciones del usuario.

****

**Código strings.xml**

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

<resources>

<string name="app\_name">Controles Básicos</string>

<string name="hello\_world">Hello world!</string>

<string name="action\_settings">Settings</string>

<string name="rbtIngles">Inglés</string>

<string name="rbtFrances">Francés</string>

<string name="chkSamsumg">Samsumg</string>

<string name="chkSony">Sony</string>

<string name="btnComprobarIdioma">Comprobar Idioma</string>

<string name="btnComprobarMarca">Comprobar Marca</string>

<string name="toggleButton1">ToggleButton</string>

<string name="tgbON">Prendido</string>

<string name="tgbOFF">Apagado</string>

<string name="btnLeeer">Leer</string>

<string name="btnMas">+</string>

<string name="btnMenos">-</string>

</resources>

**Código activity\_main.xml**

<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"

xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent"

android:orientation="vertical"

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">

<RadioGroup

android:id="@+id/radioGroup1"

android:layout\_width="wrap\_content"

android:layout\_height="0dp"

android:layout\_weight="1">

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/rbtIngles"

android:id="@+id/rbtIngles"

android:onClick="onClickRbtIngles" />

<RadioButton

android:layout\_width="wrap\_content"

android:layout\_height="wrap\_content"

android:text="@string/rbtFrances"

android:id="@+id/rbtFrances"

android:onClick="onClickRbtFrances" />

</RadioGroup>

<Button

android:layout\_width="match\_parent"

android:layout\_height="0dp"

android:text="@string/btnComprobarIdioma"

android:id="@+id/btnComprobarIdioma"

android:layout\_weight="1"

android:onClick="onClickBtnIdioma" />

<CheckBox

android:layout\_width="wrap\_content"

android:layout\_height="0dp"

android:text="@string/chkSamsumg"

android:id="@+id/chkSamsumg"

android:layout\_weight="1" />

<CheckBox

android:layout\_width="wrap\_content"

android:layout\_height="0dp"

android:text="@string/chkSony"

android:id="@+id/chkSony"

android:layout\_weight="1" />

<Button

android:layout\_width="match\_parent"

android:layout\_height="0dp"

android:text="@string/btnComprobarMarca"

android:id="@+id/btnComprobarMarca"

android:layout\_weight="1"

android:onClick="onClickBtnMarca" />

<ToggleButton

android:layout\_width="match\_parent"

android:layout\_height="0dp"

android:text="@string/toggleButton1"

android:textOn="@string/tgbON"

android:textOff="@string/tgbOFF"

android:id="@+id/toggleButton1"

android:layout\_weight="1"

android:onClick="onClickToogle" />

<RatingBar

android:layout\_width="match\_parent"

android:layout\_height="0dp"

android:id="@+id/rtbBar"

android:max="5"

android:numStars="5"

android:rating="1"

android:stepSize="1"

android:layout\_weight="1" />

<LinearLayout

android:orientation="horizontal"

android:layout\_width="match\_parent"

android:layout\_height="0dp"

android:layout\_weight="1">

<Button

style="?android:attr/buttonStyleSmall"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:text="@string/btnLeeer"

android:id="@+id/btnLeer"

android:layout\_weight="1"

android:onClick="onClickBtnLeer" />

<Button

style="?android:attr/buttonStyleSmall"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:text="@string/btnMas"

android:id="@+id/btnMas"

android:layout\_weight="1"

android:onClick="onClickBtnMas" />

<Button

style="?android:attr/buttonStyleSmall"

android:layout\_width="0dp"

android:layout\_height="wrap\_content"

android:text="@string/btnMenos"

android:id="@+id/btnMenos"

android:layout\_weight="1"

android:nestedScrollingEnabled="false"

android:onClick="onClickBtnMenos" />

</LinearLayout>

<SeekBar

android:layout\_width="match\_parent"

android:layout\_height="0dp"

android:id="@+id/seekBar1"

android:max="50"

android:progress="1"

android:layout\_weight="1" />

</LinearLayout>

**Código MainActivity.java**

import android.support.v7.app.AppCompatActivity;

import android.os.Bundle;

import android.view.Menu;

import android.view.MenuItem;

import android.view.View;

import android.widget.CheckBox;

import android.widget.RadioButton;

import android.widget.RatingBar;

import android.widget.SeekBar;

import android.widget.Toast;

import android.widget.ToggleButton;

public class MainActivity extends AppCompatActivity {

private SeekBar seekBar1;

@Override

protected void onCreate(Bundle savedInstanceState) {

super.onCreate(savedInstanceState);

setContentView(R.layout.activity\_main);

//Recuperamos la barra posicionamiento

seekBar1 = (SeekBar)this.findViewById(R.id.seekBar1);

//Agregamos el evento OnSeekBarChangeLListener.

seekBar1.setOnSeekBarChangeListener(new SeekBar.OnSeekBarChangeListener() {

int progress = 0;

@Override

public void onStopTrackingTouch(SeekBar seekBar) {

// TODO Auto-generated method stub

// Mostrar el valor el un Toast

Toast.makeText(seekBar1.getContext(), String.valueOf(seekBar1.getProgress()),

Toast.LENGTH\_SHORT).show();

}

@Override

public void onStartTrackingTouch(SeekBar seekBar) {

// TODO Auto-generated method stub

//Do something here, if you want to do anything at the

//start of touching the seekbar.

}

@Override

public void onProgressChanged(SeekBar seekBar, int progressValue, boolean fromUser) {

// TODO Auto-generated method stub

progress = progressValue;

}

});

}

@Override

public boolean onCreateOptionsMenu(Menu menu) {

// Inflate the menu; this adds items to the action bar if it is present.

getMenuInflater().inflate(R.menu.menu\_main, menu);

return true;

}

@Override

public boolean onOptionsItemSelected(MenuItem item) {

// Handle action bar item clicks here. The action bar will

// automatically handle clicks on the Home/Up button, so long

// as you specify a parent activity in AndroidManifest.xml.

int id = item.getItemId();

//noinspection SimplifiableIfStatement

if (id == R.id.action\_settings) {

return true;

}

return super.onOptionsItemSelected(item);

}

public void onClickRbtIngles(View v) //Evento onClick para el botón rbtIngles

{

Toast.makeText(this, "Inglés", Toast.LENGTH\_SHORT).show();

}

public void onClickRbtFrances(View v) //Evento onClick para el botón rbtFrances

{

Toast.makeText(this, "Frances", Toast.LENGTH\_SHORT).show();

}

public void onClickBtnIdioma(View v) //Evento onClick para el botón btnIdioma

{

RadioButton rbtIngles = (RadioButton)this.findViewById(R.id.rbtIngles);

RadioButton rbtFrances = (RadioButton)this.findViewById(R.id.rbtFrances);

if(rbtIngles.isChecked())

{

Toast.makeText(this, "El idioma Actual es Inglés", Toast.LENGTH\_SHORT).show();

}

else if(rbtFrances.isChecked())

{

Toast.makeText(this, "El idioma Actual es Francés", Toast.LENGTH\_SHORT).show();

}

else

{

Toast.makeText(this, "No hay idioma seleccionado.", Toast.LENGTH\_SHORT).show();

}

}

public void onClickBtnMarca(View v) //Evento onClick para el botón rbtMarca

{

CheckBox chkSamsumg = (CheckBox)this.findViewById(R.id.chkSamsumg);

CheckBox chkSony = (CheckBox)this.findViewById(R.id.chkSony);

String msj = "Marca Selecionada: ";

if(chkSamsumg.isChecked())

{

msj += "Samsumg";

}

if(chkSony.isChecked())

{

msj += "Sony";

}

Toast.makeText(this, msj, Toast.LENGTH\_SHORT).show();

}

public void onClickToogle(View v) //Evento onClick para el botón ToogleButon

{

ToggleButton toggleButton1= (ToggleButton)findViewById(R.id.toggleButton1);

if(toggleButton1.isChecked())

{

Toast.makeText(this,"Encendido",Toast.LENGTH\_SHORT).show();

}

else

{

Toast.makeText(this,"Apagado",Toast.LENGTH\_SHORT).show();

}

}

public void onClickBtnLeer(View v) //Evento onClick para el botón btnLeer

{

RatingBar rtbRating = (RatingBar)findViewById(R.id.rtbBar);

float rating = rtbRating.getRating();

Toast.makeText(this, "Rating: " + rating, Toast.LENGTH\_SHORT).show();

}

public void onClickBtnMas(View v) //Evento onClick para el botón btnMas

{

RatingBar rtbRating = (RatingBar)findViewById(R.id.rtbBar);

float rating = rtbRating.getRating();

if(rating < 5)

{

rtbRating.setRating(rating+1);

}

}

public void onClickBtnMenos(View v) //Evento onClick para el botón btnMenos

{

RatingBar rtbRating = (RatingBar)findViewById(R.id.rtbBar);

float rating = rtbRating.getRating();

if(rating > 1)

{

rtbRating.setRating(rating-1);

}

}

}