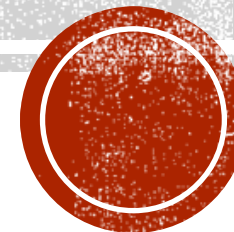


# RESOLUCIÓN EXAMEN HITO 3

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- **Paralelo:** SOM (1)
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- **fecha:** 18/05/2020



# DEFENSA HITO 2 SOME

- Se procede a mostrar la resolución del examen de Sistemas Operativos Móviles y Embebidos.
- En cada consigna se realizará el procedimiento de resolución correspondiente .
- Las herramientas a utilizar para la resolución del examen son:
  - ANDROID STUDIO
  - DISPOSITIVO MOVIL

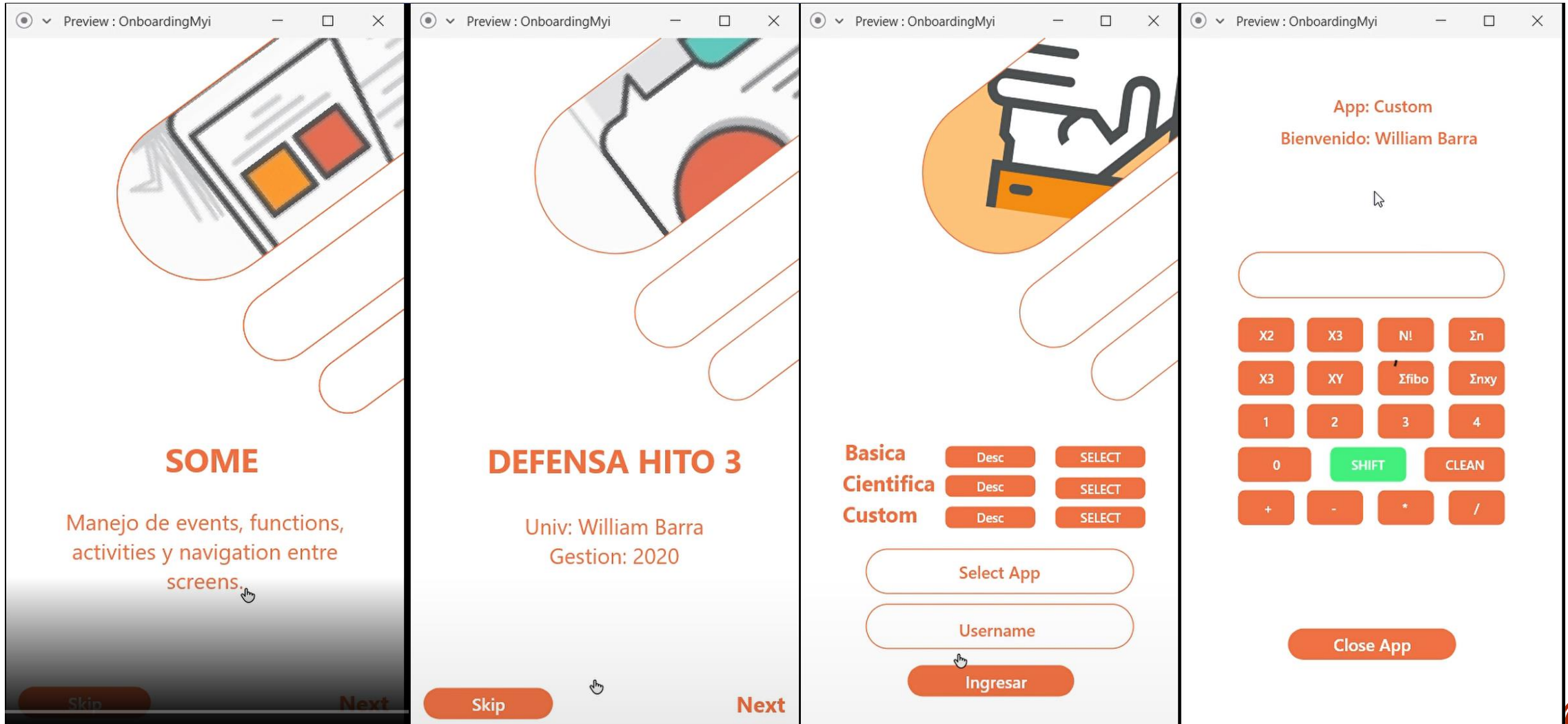


# CALCULADORA PARA PROGRAMADORES

- Se pide la realización del de una aplicación móvil con lo apendido en el transcurso del hito 3.
- Debe generar un aplicación que permita desplazarse de una pantalla a otra y que posea validación para acceder a una calculadora para programadores.
- Para poder dar solucion a este problema se debe de utlizar el language JAVA utilizando el manejo de eventos, diseño XML y las buenas practicas de desarrollo.



# EJEMPLO DE MODELO A SEGUIR



# Diseñar e implementar la aplicación.(.java-.xml) PART I



# FRAGMENTS, CLASSES, ADAPTERS

```
examenHito3_2020 [C:\Users\Ripper...]\
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
app Pixel 2 API 24
examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > MainActivity
MainActivity.java
1 package com.example.examenhito3_2020;
2
3 import ...
4
5
6
7
8
9
10 public class MainActivity extends AppCompatActivity {
11     private ViewPager viewPagerContainer;
12
13     @Override
14     protected void onCreate(Bundle savedInstanceState) {
15         super.onCreate(savedInstanceState);
16         setContentView(R.layout.activity_main);
17
18         _initializeComponents();
19         _initializeFragmentManager();
20     }
21
22
23 public void _initializeComponents() { viewPagerContainer = findViewById(R.id.viewPagerContainer); }
24
25
26
27 public void _initializeFragmentManager(){
28     FragmentAdapter adapter = new FragmentAdapter(getSupportFragmentManager());
29     viewPagerContainer.setAdapter(adapter);
30 }
31
32 }
```

```
examenHito3_2020 > app > src > main > java > com > example > exar...
FragmentAdapter.java
1 package com.example.examenhito3_2020.Adapters;
2
3 import ...
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19 /**
20  * A simple {@Link Fragment} subclass.
21  */
22 public class FragmentAdapter extends FragmentPagerAdapter {
23
24     public FragmentAdapter(FragmentManager fm){super (fm);}
25
26     @NonNull
27     @Override
28     public Fragment getItem(int position) {
29
30         switch (position) {
31
32             case 0:
33                 return new Pantalla1();
34
35             case 1:
36                 return new Pantalla2();
37
38             case 2:
39                 return new Pantalla3();
40
41             default:
42                 return null;
43         }
44     }
45     @Override
46     public int getCount(){return 3;}
47
48 }
```



```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help
app Pixel 2 API 24
examenHito3_2020 app src main java com example examenhito3_2020
Pantalla1.java
1 package com.example.examenhito3_2020.Onboarding;
2
3 import android.os.Bundle;
4
5 import androidx.fragment.app.Fragment;
6 import androidx.viewpager.widget.ViewPager;
7
8 import android.view.LayoutInflater;
9 import android.view.View;
10 import android.view.ViewGroup;
11 import android.widget.Button;
12 import android.widget.TextView;
13
14 import com.example.examenhito3_2020.R;
15
16 /**
17  * A simple {@Link Fragment} subclass.
18  */
19 public class Pantalla1 extends Fragment {
20     private TextView textNext;
21     private ViewPager viewPager;
22     private View view;
23     private Button skip;
24
25
26     @Override
27     public View onCreateView(LayoutInflater inflater, ViewGroup container,
28                             Bundle savedInstanceState) {
29
30         _initializeInflater(inflater, container);
31         _initialize();
32         _addClickTextNext();
33         _addClickSkip();
34 }
```

```
return view;
```

```
public void _initializeInflater(LayoutInflater inflater, ViewGroup container) {
    view = inflater.inflate(R.layout.fragment_pantalla1, container, attachToRoot: false);
}
```

```
public void _initialize() {
    viewPager = getActivity().findViewById(R.id.viewPagerContainer);
    textNext = view.findViewById(R.id.textNextWelcome);
    skip = view.findViewById(R.id.BtnSkip1);
}
```

```
public void _addClickTextNext() {

    textNext.setOnClickListener((v) -> { viewPager.setCurrentItem(1); });
}
```

```
public void _addClickSkip()
{
    skip.setOnClickListener((v) -> { viewPager.setCurrentItem(2); });
}
```





```

examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > Onb
Pantalla2.java x
1 package com.example.examenhito3_2020.Onboarding;
2
3 import android.os.Bundle;
4
5 import androidx.fragment.app.Fragment;
6 import androidx.viewpager.widget.ViewPager;
7
8 import android.view.LayoutInflater;
9 import android.view.View;
10 import android.view.ViewGroup;
11 import android.widget.Button;
12 import android.widget.TextView;
13
14 import com.example.examenhito3_2020.R;
15
16 /**
17  * A simple {@Link Fragment} subclass.
18  */
19 public class Pantalla2 extends Fragment {
20     private TextView textNext;
21     private ViewPager viewPager;
22     private View view;
23     private Button skip;
24
25
26
27 @Override
28 public View onCreateView(LayoutInflater inflater, ViewGroup container,
29 Bundle savedInstanceState) {
30
31     _initializeInflater(inflater, container);
32     _initialize();
33     _addClickTextNext();
34     _addClickSkip();
35

```

```

35
36     return view;
37 }
38
39 @
40 public void _initializeInflater(LayoutInflater inflater, ViewGroup container) {
41     view = inflater.inflate(R.layout.fragment_pantalla2, container, attachToRoot: false);
42 }
43
44 public void _initialize() {
45     viewPager = getActivity().findViewById(R.id.viewPagerContainer);
46     textNext = view.findViewById(R.id.textNextWelcome2);
47     skip = view.findViewById(R.id.BtnSkip2);
48 }
49
50 public void _addClickTextNext() {
51
52     textNext.setOnClickListener((v) -> { viewPager.setCurrentItem(2); });
53 }
54
55 public void _addClickSkip()
56 {
57     skip.setOnClickListener(new View.OnClickListener() {
58         @Override
59         public void onClick(View v) {
60             viewPager.setCurrentItem(2);
61         }
62     });
63 }
64
65 }
66
67
68

```





```
File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help examenHito3_2020 [C:\Users\Ripper
app Pixel 2 API 24
examenHito3_2020 app src main java com example examenhito3_2020 Onboarding Pantalla3
Pantalla3.java x
24 public class Pantalla3 extends Fragment implements View.OnClickListener{
25     private Button btdesc1, btdesc2, btdesc3, btselect1, btselect2, btselect3, btngresar;
26     public EditText etselectapp, username;
27     private View view;
28     public ViewPager viewPager;
29
30     @Override
31     public View onCreateView(LayoutInflater inflater, ViewGroup container,
32                             Bundle savedInstanceState) {
33
34         _initializeInflater(inflater, container);
35         inicializacionVariables();
36
37         return view;
38     }
39
40     @ private void _initializeInflater(LayoutInflater inflater, ViewGroup container){
41         view = inflater.inflate(R.layout.fragment_pantalla3, container, attachToRoot: false);
42     }
43
44     private void inicializacionVariables(){
45         viewPager = getActivity().findViewById(R.id.viewPagerContainer);
46         btdesc1= view.findViewById(R.id.desc1);
47         btdesc1.setOnClickListener(this);
48         btdesc2=view.findViewById(R.id.desc2);
49         btdesc2.setOnClickListener(this);
50         btdesc3=view.findViewById(R.id.desc3);
51         btdesc3.setOnClickListener(this);
52         btselect1=view.findViewById(R.id.select1);
53         btselect1.setOnClickListener(this);
54         btselect2=view.findViewById(R.id.select2);
55         btselect2.setOnClickListener(this);
56         btselect3=view.findViewById(R.id.select3);
57         btselect3.setOnClickListener(this);
58     }
```

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

    switch (v.getId()){
        case R.id.desc1:
            Toast.makeText(getActivity(), text: "Calculadora con operaciones simples basica", Toast.LENGTH_SHORT).show();

            break;

        case R.id.desc2:
            Toast.makeText(getActivity(), text: "Calculadora con operaciones avanzadas", Toast.LENGTH_SHORT).show();

            break;

        case R.id.desc3:
            Toast.makeText(getActivity(), text: "Calculadora con operaciones para programadores", Toast.LENGTH_SHORT).show();

            break;

        case R.id.select1:
            etselectapp.setText("basica");

            break;

        case R.id.select2:
            etselectapp.setText("cientifica");

            break;

        case R.id.select3:
            etselectapp.setText("custom");

            break;

        case R.id.ingresar:
            String select = etselectapp.getText().toString();
            String usname = username.getText().toString();

            if(select.equals("")||usname.equals("")){
                Toast.makeText(getActivity(), text: "Please add username/select", Toast.LENGTH_SHORT).show();

            }else switch (select){
                case ("basica"):


```

```
case ("basica"):

    Intent intent1 = new Intent(getActivity(), CalcBasic.class);
    intent1.putExtra( name: "USERNAME",usname);
    intent1.putExtra( name: "SELECT",select);
    startActivity(intent1);
    getActivity().finish();

    break;

case ("cientifica"):
    Intent intent2 = new Intent(getActivity(), CalcCienti.class);
    intent2.putExtra( name: "USERNAME",usname);
    intent2.putExtra( name: "SELECT",select);
    startActivity(intent2);
    getActivity().finish();

    break;

case ("custom"):
    Intent intent = new Intent(getActivity(), CalcCustom.class);
    intent.putExtra( name: "USERNAME",usname);
    intent.putExtra( name: "SELECT",select);
    startActivity(intent);
    getActivity().finish();

    break;

default:
    break;

}

}
```

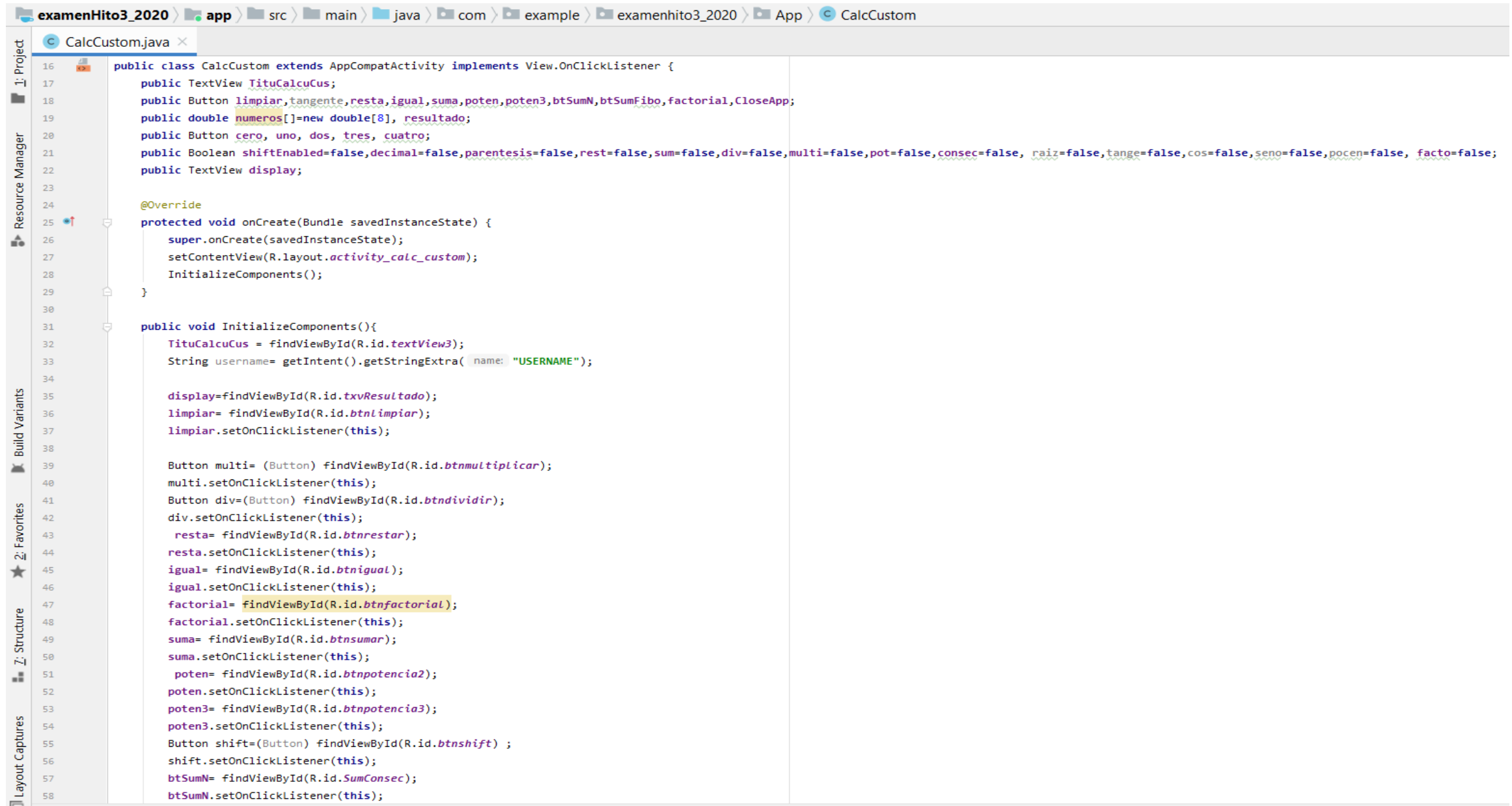


```
examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020
CalcBasic.java x
1 package com.example.examenhito3_2020.App;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.os.Bundle;
6 import android.widget.TextView;
7
8 import com.example.examenhito3_2020.R;
9
10 public class CalcBasic extends AppCompatActivity {
11     TextView TituCalcuB;
12     @Override
13     protected void onCreate(Bundle savedInstanceState) {
14         super.onCreate(savedInstanceState);
15         setContentView(R.layout.activity_calc_basic);
16         InitializeComp();
17     }
18
19     public void InitializeComp(){
20         TituCalcuB = findViewById(R.id.CalcBasica);
21         String username = getIntent().getStringExtra( name: "USERNAME");
22     }
23
24 }
25
26
27
```

```
examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > App > Calc
CalcCienti.java x
1 package com.example.examenhito3_2020.App;
2
3 import androidx.appcompat.app.AppCompatActivity;
4
5 import android.os.Bundle;
6 import android.widget.TextView;
7
8 import com.example.examenhito3_2020.R;
9
10 public class CalcCienti extends AppCompatActivity {
11     TextView TituCalcuC;
12     @Override
13     protected void onCreate(Bundle savedInstanceState) {
14         super.onCreate(savedInstanceState);
15         setContentView(R.layout.activity_calc_cienti);
16         InitializeComp();
17     }
18
19     public void InitializeComp(){
20         TituCalcuC = findViewById(R.id.CalcCientifica);
21         String username = getIntent().getStringExtra( name: "USERNAME");
22     }
23
24 }
25
26
```



# Lógica de la calculadora CUSTOM



The screenshot shows an IDE with the following components:

- Project Explorer:** Shows the project structure: `examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > App > CalcCustom`.
- Resource Manager:** Shows the file structure for the app.
- Build Variants:** Shows the build configuration.
- Layout Captures:** Shows the layout captures.
- Code Editor:** Displays the Java code for `CalcCustom.java`.

```
16 public class CalcCustom extends AppCompatActivity implements View.OnClickListener {
17     public TextView TituCalcuCus;
18     public Button limpiar, tangente, resta, igual, suma, poten, poten3, btSumN, btSumFibo, factorial, CloseApp;
19     public double numeros[]=new double[8], resultado;
20     public Button cero, uno, dos, tres, cuatro;
21     public Boolean shiftEnabled=false, decimal=false, parentesis=false, rest=false, sum=false, div=false, multi=false, pot=false, consec=false, raiz=false, tange=false, cos=false, seno=false, pocen=false, facto=false;
22     public TextView display;
23
24     @Override
25     protected void onCreate(Bundle savedInstanceState) {
26         super.onCreate(savedInstanceState);
27         setContentView(R.layout.activity_calc_custom);
28         InitializeComponents();
29     }
30
31     public void InitializeComponents(){
32         TituCalcuCus = findViewById(R.id.textView3);
33         String username= getIntent().getStringExtra( name: "USERNAME");
34
35         display=findViewById(R.id.txvResultado);
36         limpiar= findViewById(R.id.btnlimpiar);
37         limpiar.setOnClickListener(this);
38
39         Button multi= (Button) findViewById(R.id.btnmultiplicar);
40         multi.setOnClickListener(this);
41         Button div=(Button) findViewById(R.id.btndividir);
42         div.setOnClickListener(this);
43         resta= findViewById(R.id.btnrestar);
44         resta.setOnClickListener(this);
45         igual= findViewById(R.id.btnigual);
46         igual.setOnClickListener(this);
47         factorial= findViewById(R.id.btnfactorial);
48         factorial.setOnClickListener(this);
49         suma= findViewById(R.id.bnsumar);
50         suma.setOnClickListener(this);
51         poten= findViewById(R.id.btnpotencia2);
52         poten.setOnClickListener(this);
53         poten3= findViewById(R.id.btnpotencia3);
54         poten3.setOnClickListener(this);
55         Button shift=(Button) findViewById(R.id.btnshift) ;
56         shift.setOnClickListener(this);
57         btSumN= findViewById(R.id.SumConsec);
58         btSumN.setOnClickListener(this);
```



examenHito3\_2020 > app > src > main > java > com > example > examenhito3\_2020 > A

1: Project  
Resource Manager  
Build Variants  
2: Favorites  
3: Structure  
Layout Captures

CalcCustom.java x

```
58     btSumN.setOnClickListener(this);
59     btSumFibo = findViewById(R.id.btnfactorial);
60     btSumFibo.setOnClickListener(this);
61     CloseApp=findViewById(R.id.CloseApp);
62     CloseApp.setOnClickListener(this);
63
64     cero= findViewById(R.id.btn0);
65     cero.setOnClickListener(this);
66     uno=findViewById(R.id.btn1);
67     uno.setOnClickListener(this);
68     dos= findViewById(R.id.btn2);
69     dos.setOnClickListener(this);
70     tres= findViewById(R.id.btn3);
71     tres.setOnClickListener(this);
72     cuatro= findViewById(R.id.btn4);
73     cuatro.setOnClickListener(this);
74
75 }
76
77 @Override
78 public void onClick(View v) {
79     int seleccion=v.getId();
80     String a=display.getText().toString();
81     try{
82         switch (seleccion) {
83             case R.id.btnshift:
84                 shiftEnabled=!shiftEnabled;
85                 if(!shiftEnabled) {
86                     poten.setText("X2");
87                 }else
88                 {
89                     poten.setText("X3");
90                 }
91                 if(!shiftEnabled) {
92                     btSumN.setText("Σn");
93                 }else
94                 {
95                     btSumN.setText("Σnxy");
96                 }
97
98                 if(!shiftEnabled) {
99                     factorial.setText("N!");
100                }else
```

```
examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > App
CalcCustom.java x
100 }else
101 {
102     factorial.setText("IFibo");
103 }
104
105
106 break;
107 case R.id.CloseApp:
108     Intent salida=new Intent( Intent.ACTION_MAIN); //Llamando a la actividad principal
109     finish();
110
111
112 break;
113 case R.id.btn0:
114     display.setText(a + "0");
115     break;
116 case R.id.btn1:
117     display.setText(a + "1");
118     break;
119 case R.id.btn2:
120     display.setText(a + "2");
121     break;
122 case R.id.btn3:
123     display.setText(a + "3");
124     break;
125 case R.id.btn4:
126     display.setText(a + "4");
127     break;
128 case R.id.btnrestart:
129     rest = true;
130     numeros[0] = Double.parseDouble(a);
131     display.setText("");
132     decimal = false;
133     parentesis = false;
134     break;
135 case R.id.btnsumar:
136     sum = true;
137     numeros[0] = Double.parseDouble(a);
138     display.setText("");
139     decimal = false;
140     parentesis = false;
141     break;
142 case R.id.btnmultiplicar:
```

```
examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > App
CalcCustom.java x
142 case R.id.btnmultiplicar:
143     multi = true;
144     numeros[0] = Double.parseDouble(a);
145     display.setText("");
146     decimal = false;
147     parentesis = false;
148     break;
149 case R.id.btndividir:
150     div = true;
151     numeros[0] = Double.parseDouble(a);
152     display.setText("");
153     decimal = false;
154     parentesis = false;
155     break;
156 case R.id.SumConsec:
157     consec=true;
158     numeros[0] = Double.parseDouble(a);
159     resultado=0;
160     //numeros[1]=Double.parseDouble(a);
161     for(int i=0;i<=numeros[0];i++){
162         resultado=resultado+i;
163     }
164     display.setText(String.valueOf(resultado));
165     decimal = false;
166     parentesis = false;
167
168
169 break;
170
171
172
173 case R.id.btnigual:
174     numeros[1] = Double.parseDouble(a);
175     if (sum == true) {
176         for (int i = 0; i < 8; i++) {
177             resultado = numeros[0] + numeros[1];
178         }
179         display.setText(String.valueOf(resultado));
180
181     } else if (rest == true) {
182         for (int i = 0; i < 8; i++) {
183             resultado = numeros[0] - numeros[1];
184         }
185     }
```



```
examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > App > CalcCustom.java x

181 } else if (rest == true) {
182     for (int i = 0; i < 8; i++) {
183         resultado = numeros[0] - numeros[1];
184     }
185     display.setText(String.valueOf(resultado));
186 } else if (multi == true) {
187     for (int i = 0; i < 8; i++) {
188         resultado = numeros[0] * numeros[1];
189     }
190     display.setText(String.valueOf(resultado));
191 } else if (div == true) {
192     if(numeros[0]!=0){
193         Toast.makeText( context: this, text: "Math ERROR", Toast.LENGTH_LONG).show();
194     }else
195     for (int i = 0; i < 8; i++) {
196         resultado = numeros[0] / numeros[1];
197     }
198     display.setText(String.valueOf(resultado));
199 }
200
201
202
203
204 break;
205 case R.id.btnlimpiar:
206     display.setText("");
207     decimal=false;
208     parentesis=false;
209     break;
210 case R.id.btnpotencia2:
211     pot = true;
212     if(shiftEnabled){
213         numeros[0] = Double.parseDouble(a);
214         //numeros[1]=Double.parseDouble(a);
215         resultado = Math.pow(numeros[0], 3);
216         display.setText(String.valueOf(resultado));
217         decimal = false;
218         parentesis = false;
219     }else{
220         numeros[0] = Double.parseDouble(a);
221         //numeros[1]=Double.parseDouble(a);
222         resultado = Math.pow(numeros[0], 2);
223         display.setText(String.valueOf(resultado));
224         decimal = false;
```

```
examenHito3_2020 > app > src > main > java > com > example > examenhito3_2020 > Ap CalcCustom.java x

223         decimal = false;
224         parentesis = false;
225     }
226
227     break;
228 case R.id.btnpotencia3:
229     pot = true;
230     numeros[0] = Double.parseDouble(a);
231     //numeros[1]=Double.parseDouble(a);
232     resultado = Math.pow(numeros[0], 3);
233     display.setText(String.valueOf(resultado));
234     decimal = false;
235     parentesis = false;
236     break;
237 case R.id.btnfactorial:
238     facto=true;
239     if(shiftEnabled){
240         numeros[0] = Double.parseDouble(a);
241         int t1=0;
242         int t2=1;
243         int c=0;
244         resultado=1;
245         for(int i = 1;i<=numeros[0] - 2 ;++i){
246             c = t1 + t2;
247             t1 = t2;
248             t2 = c;
249             resultado = resultado + t2;
250         }
251         display.setText(String.valueOf(resultado));
252     }else {
253         numeros[0]=Double.parseDouble(a);
254         resultado=1;
255         for(int i=2;i<=numeros[0];i++){
256             resultado=resultado*i;
257         }
258         display.setText(String.valueOf(resultado));
259     }
260
261     break;
262 }
263 }catch (Exception e){
264     display.setText("SintaxError");
265 }
```

Se implementa el código XML para el desarrollo de cada Layout





# ACTIVITY MAIN

examenHito3\_2020 > app > src > main > res > layout > activity\_main.xml

activity\_main.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".MainActivity">
8
9     <androidx.viewpager.widget.ViewPager
10         android:id="@+id/viewPagerContainer"
11         android:layout_width="match_parent"
12         android:layout_height="match_parent">
13     </androidx.viewpager.widget.ViewPager>
14
15 </LinearLayout>
```

Palette

Pixel R AppTheme Default (en-us)

viewPagerContainer

31% Reset

Component Tree

# PANTALLA 1

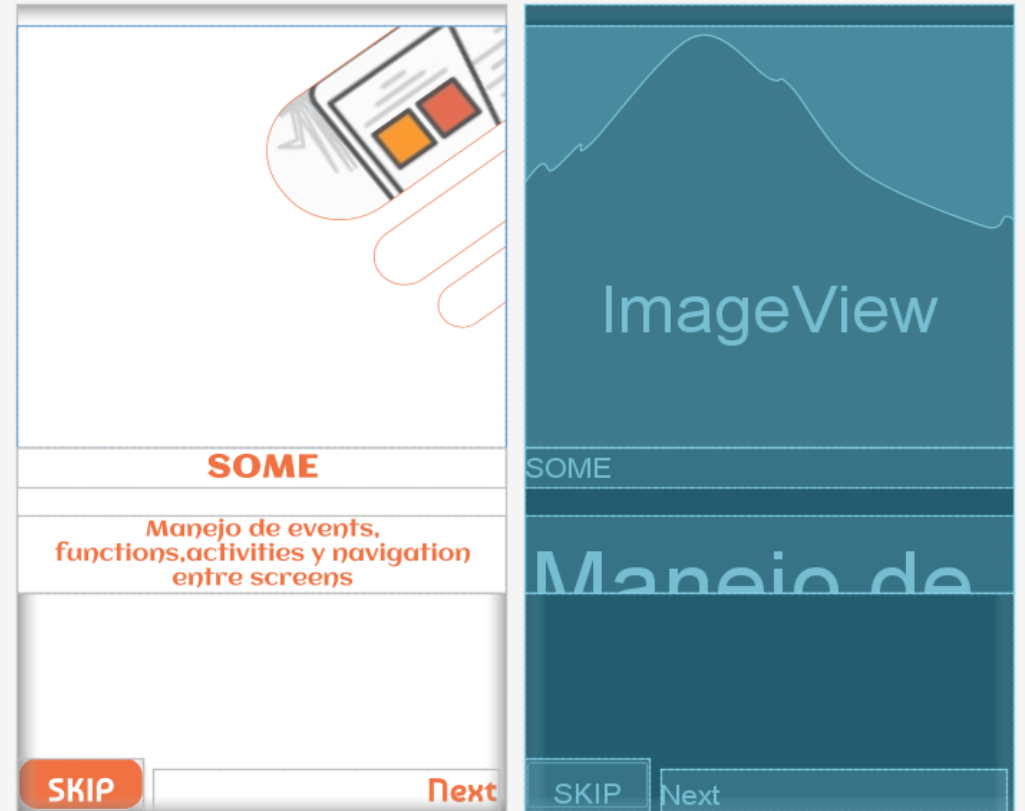
examenHito3\_2020 > app > src > main > res > layout > fragment\_pantalla1.xml

fragment\_pantalla1.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:tools="http://schemas.android.com/tools"
4     android:layout_width="match_parent"
5     android:layout_height="match_parent"
6     tools:context=".Onboarding.Pantalla1"
7     android:orientation="vertical"
8     android:background="@drawable/bg1">
9
10    <ImageView
11        android:id="@+id/imgWelcome"
12        android:layout_width="wrap_content"
13        android:layout_height="380dp"
14        android:layout_marginTop="20dp"
15        android:scrollX="-150dp"
16        android:scrollY="100dp"
17
18        android:src="@drawable/img1" />
19
20    <TextView
21        android:id="@+id/textTitle1"
22        android:layout_width="match_parent"
23        android:layout_height="wrap_content"
24        android:fontFamily="@font/acronica"
25        android:gravity="center"
26        android:text="SOME"
27        android:textStyle="bold"
28        android:textColor="@color/colorPrimary"
29        android:textSize="28sp" />
30
31
32
33    <TextView
34        android:id="@+id/textDesc1"
35        android:layout_width="match_parent"
36        android:layout_height="wrap_content"
37        android:layout_marginTop="25dp"
38        android:text="Manejo de events, functions,activities y navigation ent..."
39        android:textSize="20sp"
40        android:textColor="@color/colorPrimary"
41        android:gravity="center"
```

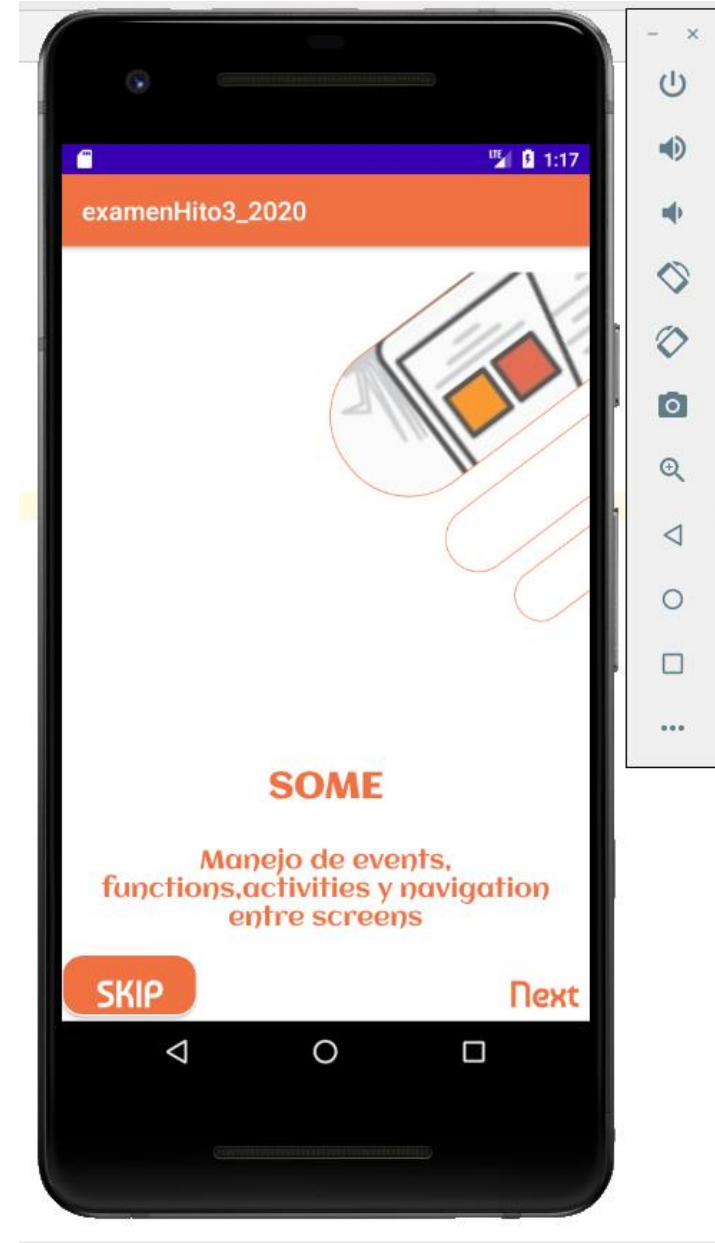
Palette

Component Tree





## RESULTADO DE PANTALLA 1



# PANTALLA 2

examenHito3\_2020 > app > src > main > res > layout > fragment\_pantalla2.xml

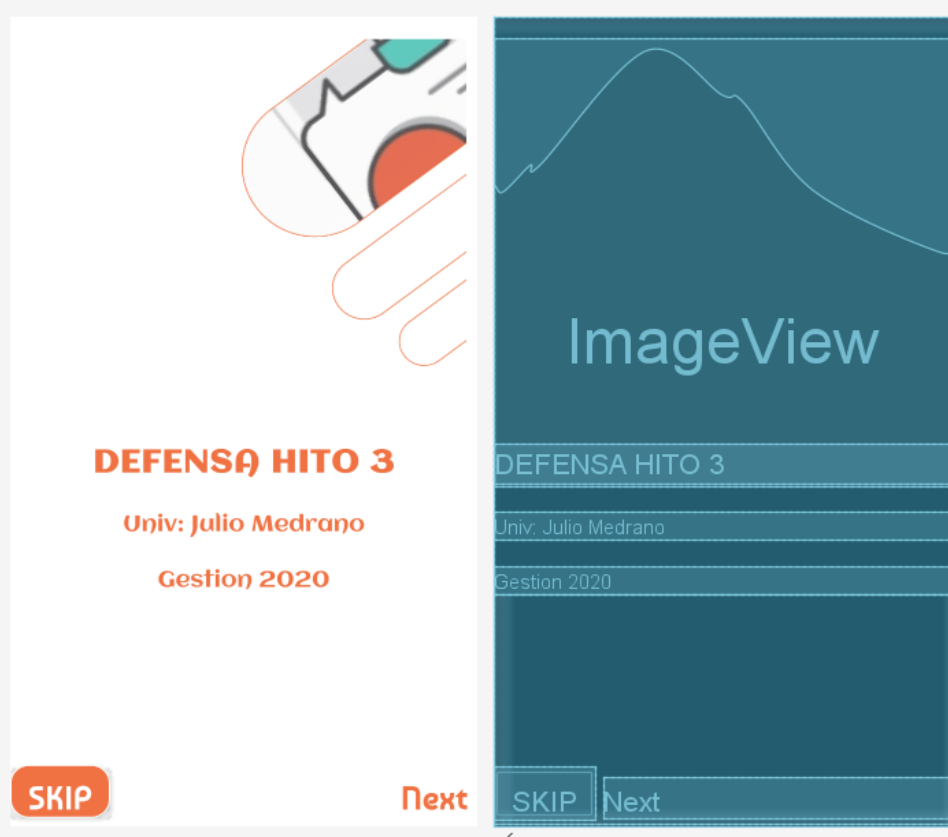
fragment\_pantalla2.xml

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout 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"
    tools:context=".Onboarding.Pantalla2"
    android:orientation="vertical"
    android:background="@drawable/bg1">
    <ImageView
        android:id="@+id/imgWelcome"
        android:layout_width="wrap_content"
        android:layout_height="404dp"
        android:layout_marginTop="20dp"
        android:scrollX="-150dp"
        android:scrollY="100dp"
        android:src="@drawable/img2" />
    <TextView
        android:id="@+id/textTitle2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:fontFamily="@font/aclonica"
        android:gravity="center"
        android:text="DEFENSA HITO 3"
        android:layout_marginTop="-40dp"
        android:textStyle="bold"
        android:textColor="@color/colorPrimary"
        android:textSize="28sp" />
    <TextView
        android:id="@+id/textDesc2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_marginTop="25dp"
        android:text="Univ: Julio Medrano"
        android:textSize="20sp"
        android:textColor="@color/colorPrimary"
        android:gravity="center"
```

Palette

Pixel R AppTheme Default (en-us)

Component Tree



examenHito3\_2020 > app > src > main > res > layout > fragment

fragment\_pantalla2.xml

```

37     android:layout_marginTop="25dp"
38     android:text="Univ: Julio Medrano"
39     android:textSize="20sp"
40     android:textColor="@color/colorPrimary"
41     android:gravity="center"
42     android:fontFamily="@font/aclonica" />
43 <TextView
44     android:id="@+id/textDesc3"
45     android:layout_width="match_parent"
46     android:layout_height="wrap_content"
47     android:layout_marginTop="25dp"
48     android:text="Gestion 2020"
49     android:textSize="20sp"
50     android:textColor="@color/colorPrimary"
51     android:gravity="center"
52     android:fontFamily="@font/aclonica" />
53
54 <LinearLayout
55     android:id="@+id/layoutNext"
56     android:layout_width="match_parent"
57     android:layout_height="match_parent"
58     android:orientation="horizontal">
59     <Button
60         android:id="@+id/BtnSkip2"
61         android:layout_width="wrap_content"
62         android:layout_height="wrap_content"
63         android:layout_gravity="bottom|start"
64         android:layout_marginEnd="8dp"
65         android:layout_marginBottom="2dp"
66         android:clickable="true"
67         android:focusable="true"
68         android:fontFamily="@font/baumans"
69         android:gravity="bottom|end"
70         android:text="Skip"
71         android:textAlignment="center"
72         android:textColor="@color/colorWhite"
73         android:textStyle="bold"
74         android:textSize="28sp"
75         android:background="@drawable/stilo_boton">
76

```

```

    android:layout_gravity="bottom|start"
    android:layout_marginEnd="8dp"
    android:layout_marginBottom="2dp"
    android:clickable="true"
    android:focusable="true"
    android:fontFamily="@font/baumans"
    android:gravity="bottom|end"
    android:text="Skip"
    android:textAlignment="center"
    android:textColor="@color/colorWhite"
    android:textStyle="bold"
    android:textSize="28sp"
    android:background="@drawable/stilo_boton">

```

</Button>

<TextView

```

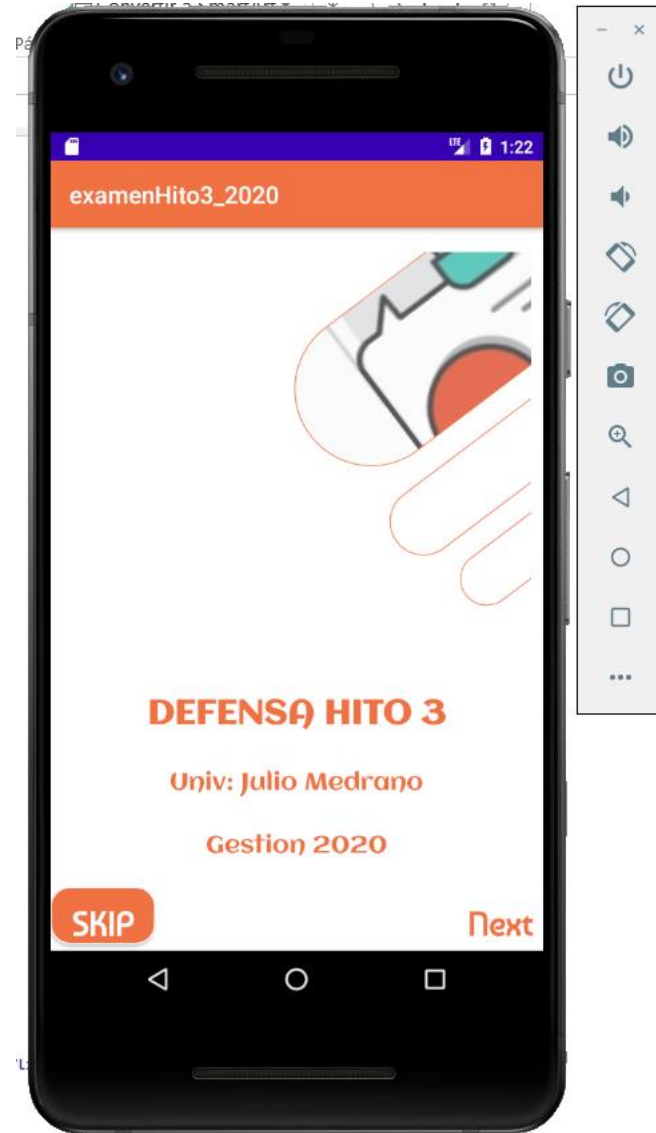
    android:id="@+id/textNextWelcome2"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_gravity="bottom|end"
    android:layout_marginEnd="8dp"
    android:layout_marginBottom="2dp"
    android:layout_weight="1"
    android:clickable="true"
    android:focusable="true"
    android:fontFamily="@font/baumans"
    android:gravity="bottom|end"
    android:text="Next"
    android:textColor="@color/colorPrimary"
    android:textStyle="bold"
    android:textSize="28sp" />

```

</LinearLayout>

</LinearLayout>

## Resultado pantalla 2



# PANTALLA 3

examenHito3\_2020 > app > src > main > res > layout > fragment\_pantalla3.xml

fragment\_pantalla3.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3   xmlns:tools="http://schemas.android.com/tools"
4   android:layout_width="match_parent"
5   android:layout_height="match_parent"
6   tools:context=".Onboarding.Pantalla3"
7   android:orientation="vertical"
8   android:background="@drawable/bg3">
9
10  <ImageView
11    android:id="@+id/imgWelcome"
12    android:layout_width="wrap_content"
13    android:layout_height="289dp"
14    android:layout_marginTop="20dp"
15    android:scrollX="-140dp"
16    android:scrollY="80dp"
17    android:src="@drawable/img3" />
18
19  <LinearLayout
20    android:layout_width="wrap_content"
21    android:layout_height="wrap_content"
22    android:orientation="horizontal">
23    <TextView
24      android:layout_width="wrap_content"
25      android:layout_height="wrap_content"
26      android:text="Basica"
27      android:textSize="30sp"
28      android:layout_marginBottom="10dp"
29      android:textStyle="bold"
30      android:layout_marginLeft="40dp"
31      android:fontFamily="@font/baumans"
32      android:textColor="@color/colorPrimary">
33
34  </TextView>
35  <Button
36    android:id="@+id/desc1"
37    android:layout_width="80dp"
38    android:layout_height="30dp"
39    android:text="Desc"
40    android:textStyle="bold"
41    android:textSize="18sp"
```

Resource Manager

Build Variants

2: Favorites

Structure

Layout Captures

Palette

Pixel

R

AppTheme

Default (en-us)

ImageView

Basica

Cientifica

Custom

Select App

Username

INGRESAR

Component Tree



```
43     android:layout_marginLeft="50dp"
44     android:clickable="true"
45     android:focusable="true"
46     android:background="@drawable/stilo_boton">
47
48 </Button>
49 <Button
50     android:id="@+id/select1"
51     android:layout_width="80dp"
52     android:layout_height="30dp"
53     android:text="Select"
54     android:textStyle="bold"
55     android:textSize="18sp"
56     android:textColor="@color/colorWhite"
57     android:layout_marginLeft="20dp"
58     android:clickable="true"
59     android:focusable="true"
60     android:background="@drawable/stilo_boton">
61
62 </Button>
63
64 </LinearLayout>
65
66 <LinearLayout
67     android:layout_width="wrap_content"
68     android:layout_height="wrap_content"
69     android:orientation="horizontal">
70 <TextView
71     android:layout_width="wrap_content"
72     android:layout_height="wrap_content"
73     android:text="Cientifica"
74     android:textSize="30sp"
75     android:layout_marginBottom="10dp"
76     android:textStyle="bold"
77     android:layout_marginLeft="40dp"
78     android:fontFamily="@font/baumans"
79     android:textColor="@color/colorPrimary">
80
81 </TextView>
82 <Button
83     android:id="@+id/desc2"
```

```
82 <Button
83     android:id="@+id/desc2"
84     android:layout_width="80dp"
85     android:layout_height="30dp"
86     android:text="Desc"
87     android:textStyle="bold"
88     android:textSize="18sp"
89     android:textColor="@color/colorWhite"
90     android:layout_marginLeft="10dp"
91     android:clickable="true"
92     android:focusable="true"
93     android:background="@drawable/stilo_boton">
94
95 </Button>
96 <Button
97     android:id="@+id/select2"
98     android:layout_width="80dp"
99     android:layout_height="30dp"
100     android:text="Select"
101     android:textStyle="bold"
102     android:textSize="18sp"
103     android:textColor="@color/colorWhite"
104     android:layout_marginLeft="20dp"
105     android:clickable="true"
106     android:focusable="true"
107     android:background="@drawable/stilo_boton">
108
109 </Button>
110
111 </LinearLayout>
112
113 <LinearLayout
114     android:layout_width="match_parent"
115     android:layout_height="wrap_content"
116     android:orientation="horizontal"
117     android:layout_marginBottom="10dp">
118 <TextView
119     android:layout_width="wrap_content"
120     android:layout_height="wrap_content"
121     android:text="Custom"
122     android:textSize="30sp"
```





File Edit View Navigate Code Analyze Refactor Build Run

examenHito3\_2020 app src main res layout fragment\_pantalla3.xml

fragment\_pantalla3.xml

```
121 android:text="Custom"
122 android:textSize="30sp"
123 android:layout_marginBottom="10dp"
124 android:textStyle="bold"
125 android:layout_marginLeft="40dp"
126 android:fontFamily="@font/baumans"
127 android:textColor="@color/colorPrimary">
128
129 </TextView>
130 <Button
131     android:id="@+id/desc3"
132     android:layout_width="80dp"
133     android:layout_height="30dp"
134     android:text="Desc"
135     android:textStyle="bold"
136     android:textSize="18sp"
137     android:textColor="@color/colorWhite"
138     android:layout_marginLeft="35dp"
139     android:clickable="true"
140     android:focusable="true"
141     android:background="@drawable/stilo_boton">
142
143 </Button>
144 <Button
145     android:id="@+id/select3"
146     android:layout_width="80dp"
147     android:layout_height="30dp"
148     android:text="Select"
149     android:textStyle="bold"
150     android:textSize="18sp"
151     android:textColor="@color/colorWhite"
152     android:layout_marginLeft="20dp"
153     android:clickable="true"
154     android:focusable="true"
155     android:background="@drawable/stilo_boton">
156
157 </Button>
158 </LinearLayout>
159
160 <LinearLayout
161
162     <LinearLayout
163         android:layout_width="match_parent"
164         android:layout_height="match_parent"
165         android:orientation="vertical"
166         android:gravity="center">
167
168         <EditText
169             android:id="@+id/SelectApp"
170             android:layout_width="250dp"
171             android:layout_height="40dp"
172             android:layout_marginBottom="95dp"
173             android:textColor="@color/colorPrimary"
174             android:textStyle="bold"
175             android:fontFamily="@font/baumans"
176             android:textSize="18dp"
177             android:textColorHint="@color/colorPrimary"
178             android:textAlignment="center"
179             android:hint="Select App"
180             android:background="@drawable/stilo_edit_text">
181
182         </EditText>
183
184         <EditText
185             android:id="@+id/Username"
186             android:layout_width="250dp"
187             android:layout_height="40dp"
188             android:layout_marginTop="-90dp"
189             android:textColor="@color/colorPrimary"
190             android:textStyle="bold"
191             android:hint="Username"
192             android:textColorHint="@color/colorPrimary"
193             android:fontFamily="@font/baumans"
194             android:textSize="18dp"
195             android:background="@drawable/stilo_edit_text">
196
197         </EditText>
198
199         <Button
200             android:id="@+id/ingresar"
```

Resource Manager

Build Variants

Layout Captures

Build Terminal Logcat Profiler Run

Install successfully finished in 1 s 158 ms.: App restart successful without r

examenHito3\_2020 app src main res layout fragment\_pantalla3.xml

fragment\_pantalla3.xml

```
182
183 <EditText
184     android:id="@+id/Username"
185     android:layout_width="250dp"
186     android:layout_height="40dp"
187     android:layout_marginTop="-90dp"
188     android:textColor="@color/colorPrimary"
189     android:textStyle="bold"
190     android:hint="Username"
191     android:textColorHint="@color/colorPrimary"
192     android:textAlignment="center"
193     android:fontFamily="@font/baumans"
194     android:textSize="18dp"
195     android:background="@drawable/stilo_edit_text">
196
197 </EditText>
198
199 <Button
200     android:id="@+id/ingresar"
201     android:layout_width="180dp"
202     android:layout_height="30dp"
203     android:text="Ingresar"
204     android:layout_marginTop="10dp"
205     android:textColor="@color/colorWhite"
206     android:textStyle="bold"
207     android:fontFamily="@font/baumans"
208     android:textSize="18dp"
209     android:background="@drawable/stilo_boton">
210
211 </Button>
212
213 </LinearLayout>
214
215
216
217 </LinearLayout>
```

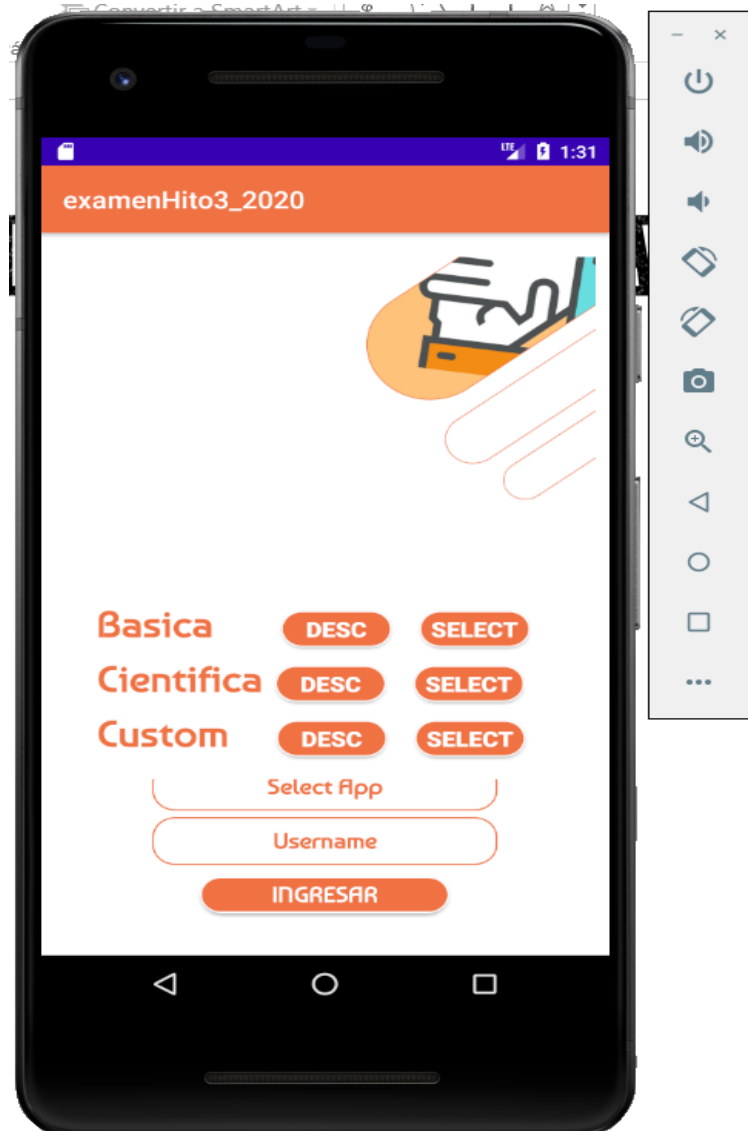
Resource Manager

Build Variants

Layout Captures

Build Terminal Logcat Profiler Run

# RESULTADO PANTALLA 3

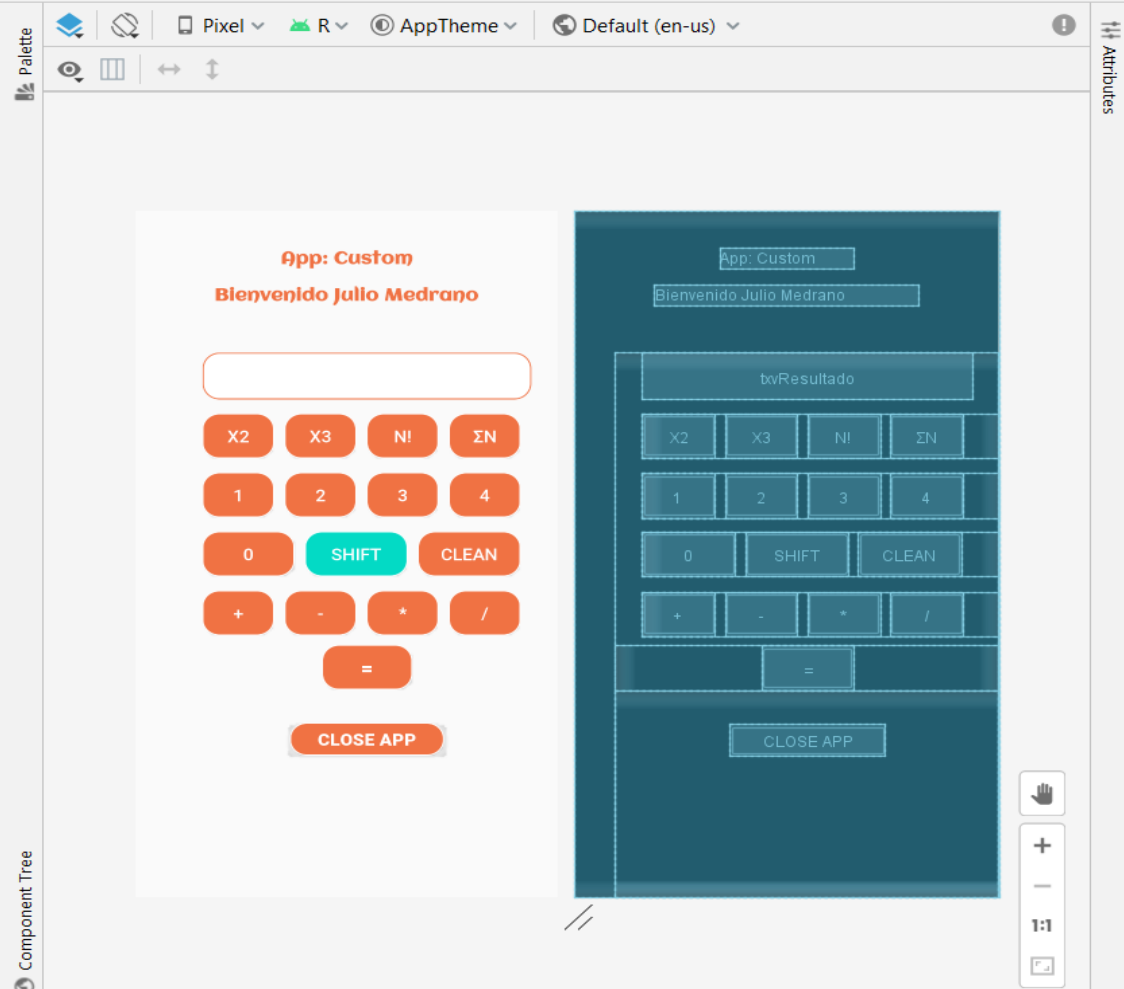


# CALCULADORA CUSTOM

examenmitos\_2020 / app / src / main / res / layout / activity\_calc\_custom.xml

activity\_calc\_custom.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".App.CalcCustom"
8     android:orientation="vertical">
9
10    <TextView
11        android:id="@+id/textView3"
12        android:layout_width="wrap_content"
13        android:layout_height="wrap_content"
14        android:layout_gravity="center"
15        android:layout_marginTop="40dp"
16        android:text="App: Custom"
17        android:textSize="18dp"
18        android:textColor="@color/colorPrimary"
19        android:textStyle="bold"
20        android:fontFamily="@font/aclonica">
21
22    </TextView>
23    <TextView
24        android:id="@+id/CustomTit2"
25        android:layout_width="wrap_content"
26        android:layout_height="wrap_content"
27        android:layout_gravity="center"
28        android:layout_marginTop="17dp"
29        android:text="Bienvenido Julio Medrano"
30        android:textSize="18dp"
31        android:textColor="@color/colorPrimary"
32        android:textStyle="bold"
33        android:fontFamily="@font/aclonica">
34
35    </TextView>
36    <LinearLayout
37        android:layout_width="match_parent"
38        android:layout_height="match_parent"
39        android:orientation="vertical"
40        android:layout_marginTop="50dp"
41        android:layout_marginLeft="40dp">
```



```
examenHito3_2020 > app > src > main > res > layout > activity_calc_custom
activity_calc_custom.xml

1 <?xml version="1.0" encoding="utf-8"?>
2 <LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
3     xmlns:app="http://schemas.android.com/apk/res-auto"
4     xmlns:tools="http://schemas.android.com/tools"
5     android:layout_width="match_parent"
6     android:layout_height="match_parent"
7     tools:context=".App.CalcCustom"
8     android:orientation="vertical">
9
10    <TextView
11        android:id="@+id/textView3"
12        android:layout_width="wrap_content"
13        android:layout_height="wrap_content"
14        android:layout_gravity="center"
15        android:layout_marginTop="40dp"
16        android:text="App: Custom"
17        android:textSize="18dp"
18        android:textColor="@color/colorPrimary"
19        android:textStyle="bold"
20        android:fontFamily="@font/aclonica">
21
22    </TextView>
23    <TextView
24        android:id="@+id/CustomTit2"
25        android:layout_width="wrap_content"
26        android:layout_height="wrap_content"
27        android:layout_gravity="center"
28        android:layout_marginTop="17dp"
29        android:text="Bienvenido Julio Medrano"
30        android:textSize="18dp"
31        android:textColor="@color/colorPrimary"
32        android:textStyle="bold"
33        android:fontFamily="@font/aclonica">
34
35    </TextView>
36    <LinearLayout
37        android:layout_width="match_parent"
38        android:layout_height="match_parent"
39        android:orientation="vertical"
40        android:layout_marginTop="50dp"
41        android:layout_marginLeft="40dp">
```

```
examenHito3_2020 > app > src > main > res > layout > activity_calc_custom
activity_calc_custom.xml

70 </Button>
71 <Button
72     android:id="@+id/btnpotencia3"
73     android:layout_width="70dp"
74     android:layout_height="wrap_content"
75     android:background="@drawable/stilo_boton"
76     android:text="X3"
77     android:textSize="18sp"
78     android:textColor="@color/colorWhite"
79     android:layout_marginLeft="10dp">
80
81 </Button>
82 <Button
83     android:id="@+id/btnfactorial"
84     android:layout_width="70dp"
85     android:layout_height="wrap_content"
86     android:background="@drawable/stilo_boton"
87     android:text="N!"
88     android:textSize="18sp"
89     android:textColor="@color/colorWhite"
90     android:layout_marginLeft="10dp">
91
92 </Button>
93 <Button
94     android:id="@+id/SumConsec"
95     android:layout_width="70dp"
96     android:layout_height="wrap_content"
97     android:background="@drawable/stilo_boton"
98     android:text="Σn"
99     android:textSize="18sp"
100    android:textColor="@color/colorWhite"
101    android:layout_marginLeft="10dp">
102
103 </Button>
104
105 </LinearLayout>
106 <LinearLayout
107     android:layout_width="match_parent"
108     android:layout_height="wrap_content"
109     android:orientation="horizontal"
110     android:layout_marginTop="15dp"
```

```
examenHito3_2020 > app > src > main > res > layout > activity_calc_custom
activity_calc_custom.xml

106 <LinearLayout
107     android:layout_width="match_parent"
108     android:layout_height="wrap_content"
109     android:orientation="horizontal"
110     android:layout_marginTop="15dp"
111     android:layout_marginLeft="25dp">
112
113    <Button
114        android:id="@+id/btn1"
115        android:layout_width="70dp"
116        android:layout_height="wrap_content"
117        android:background="@drawable/stilo_boton"
118        android:text="1"
119        android:textSize="18sp"
120        android:textColor="@color/colorWhite">
121
122    </Button>
123    <Button
124        android:id="@+id/btn2"
125        android:layout_width="70dp"
126        android:layout_height="wrap_content"
127        android:background="@drawable/stilo_boton"
128        android:text="2"
129        android:textSize="18sp"
130        android:textColor="@color/colorWhite"
131        android:layout_marginLeft="10dp">
132
133    </Button>
134    <Button
135        android:id="@+id/btn3"
136        android:layout_width="70dp"
137        android:layout_height="wrap_content"
138        android:background="@drawable/stilo_boton"
139        android:text="3"
140        android:textSize="18sp"
141        android:textColor="@color/colorWhite"
142        android:layout_marginLeft="10dp">
143
144    </Button>
145    <Button
146        android:id="@+id/btn4"
```

examenHito3\_2020 > app > src > main > res > layout > activity\_calc\_custom.xml

activity\_calc\_custom.xml

```
145 <Button
146     android:id="@+id/btn4"
147     android:layout_width="70dp"
148     android:layout_height="wrap_content"
149     android:background="@drawable/stilo_boton"
150     android:text="4"
151     android:textSize="18sp"
152     android:textColor="@color/colorWhite"
153     android:layout_marginLeft="10dp">
154
155 </Button>
156
157 </LinearLayout>
158 <LinearLayout
159     android:layout_width="match_parent"
160     android:layout_height="wrap_content"
161     android:orientation="horizontal"
162     android:layout_marginTop="15dp"
163     android:layout_marginLeft="25dp">
164
165     <Button
166         android:id="@+id/btn0"
167         android:layout_width="90dp"
168         android:layout_height="wrap_content"
169         android:background="@drawable/stilo_boton"
170         android:text="0"
171         android:textSize="18sp"
172         android:textColor="@color/colorWhite">
173
174     </Button>
175     <Button
176         android:id="@+id/btnshift"
177         android:layout_width="100dp"
178         android:layout_height="wrap_content"
179         android:background="@drawable/stilo_boton_verde"
180         android:text="SHIFT"
181         android:textSize="18sp"
182         android:textColor="@color/colorWhite"
183         android:layout_marginLeft="10dp">
184
185     </Button>
```

examenHito3\_2020 > app > src > main > res > layout > activity\_calc\_custom.xml

activity\_calc\_custom.xml

```
187 <Button
188     android:id="@+id/btnlimpiar"
189     android:layout_width="100dp"
190     android:layout_height="wrap_content"
191     android:background="@drawable/stilo_boton"
192     android:text="CLEAN"
193     android:textSize="18sp"
194     android:textColor="@color/colorWhite"
195     android:layout_marginLeft="10dp">
196
197 </Button>
198
199 </LinearLayout>
200
201 <LinearLayout
202     android:layout_width="match_parent"
203     android:layout_height="wrap_content"
204     android:orientation="horizontal"
205     android:layout_marginTop="15dp"
206     android:layout_marginLeft="25dp">
207
208     <Button
209         android:id="@+id/btnsumar"
210         android:layout_width="70dp"
211         android:layout_height="wrap_content"
212         android:background="@drawable/stilo_boton"
213         android:text="+"
214         android:textSize="18sp"
215         android:textColor="@color/colorWhite">
216
217     </Button>
218     <Button
219         android:id="@+id/btnrestar"
220         android:layout_width="70dp"
221         android:layout_height="wrap_content"
222         android:background="@drawable/stilo_boton"
223         android:text="-"
224         android:textSize="18sp"
225         android:textColor="@color/colorWhite"
226         android:layout_marginLeft="10dp">
227
```

examenHito3\_2020 > app > src > main > res > layout > activity\_calc\_custom.xml

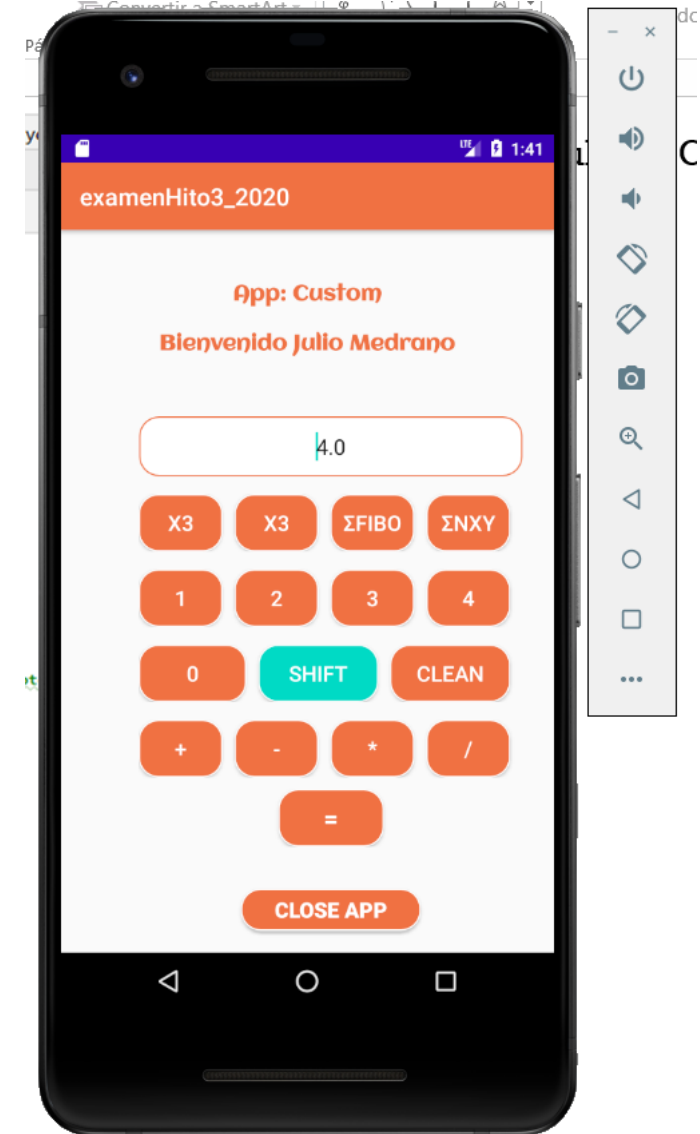
activity\_calc\_custom.xml

```
226     android:layout_marginLeft="10dp">
227
228 </Button>
229 <Button
230     android:id="@+id/btnmultiplicar"
231     android:layout_width="70dp"
232     android:layout_height="wrap_content"
233     android:background="@drawable/stilo_boton"
234     android:text="*"
235     android:textSize="18sp"
236     android:textColor="@color/colorWhite"
237     android:layout_marginLeft="10dp">
238
239 </Button>
240 <Button
241     android:id="@+id/btndividir"
242     android:layout_width="70dp"
243     android:layout_height="wrap_content"
244     android:background="@drawable/stilo_boton"
245     android:text="/"
246     android:textSize="18sp"
247     android:textColor="@color/colorWhite"
248     android:layout_marginLeft="10dp">
249
250 </Button>
251
252 </LinearLayout>
253 <LinearLayout
254     android:layout_width="match_parent"
255     android:layout_height="wrap_content"
256     android:gravity="center"
257     android:layout_marginTop="10dp">
258
259     <Button
260         android:id="@+id/btnigual"
261         android:layout_width="wrap_content"
262         android:layout_height="wrap_content"
263         android:background="@drawable/stilo_boton"
264         android:text="="
265         android:textColor="@color/colorWhite"
266         android:textStyle="bold"
```



```
examenHito3_2020 > app > src > main > res > layout > activity_calc_custom.xml
267         android:textSize="20sp">
268
269     </Button>
270
271 </LinearLayout>
272
273 <LinearLayout
274     android:layout_width="match_parent"
275     android:layout_height="match_parent"
276     android:orientation="vertical">
277
278     <Button
279         android:id="@+id/CloseApp"
280         android:layout_width="150dp"
281         android:layout_height="35dp"
282         android:layout_gravity="center"
283         android:layout_marginTop="35dp"
284         android:text="Close App"
285         android:background="@drawable/stilo_boton"
286         android:textColor="@color/colorWhite"
287         android:textSize="18dp"
288         android:textStyle="bold">
289
290     </Button>
291
292 </LinearLayout>
293
294 </LinearLayout>
295
296
297
298
299
300
301
302 </LinearLayout>
```

## Resultado Calculadora Custom





# RECURSOS

examenHito3\_2020 > app > src > main > res > values > preloaded\_fonts.xml

colors.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <resources>
3   <color name="colorPrimary">#F07243</color>
4   <color name="colorPrimaryDark">#3700B3</color>
5   <color name="colorAccent">#03DAC5</color>
6   <color name="colorWhite">#FFFFFF</color>
7 </resources>
```

resources > color

preloaded\_fonts.xml

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <resources>
3   <array name="preloaded_fonts" translatable="false">
4     <item>@font/aclonica</item>
5     <item>@font/baumans</item>
6   </array>
7 </resources>
```

resources

strings.xml

Edit translations for all locales in the translations editor. Open editor Hide notification

```
12 <string name="basica">Basica</string>
13 <string name="cientifica">Cientifica</string>
14 <string name="custom">Custom</string>
15 <!-- Borones Pantalla 3-->
16 <string name="Desc">Desc</string>
17 <string name="select">Select</string>
18 <string name="selectapp">Select App</string>
19 <string name="username">Username</string>
20 <string name="Ingresar">Ingresar</string>
21 <string name="Calcbasica">CALCULADORA BASICA</string>
22 <string name="CalcCientifica">CALCULADORA CIENTIFICA</string>
23
24 <!-- Botones calculadora custom-->
25 <string name="CustomTit">App: Custom</string>
26 <string name="CustomTit2">Bienvenido Julio Medrano</string>
27 <string name="CustomX2">X2</string>
28 <string name="CustomX3">X3</string>
29 <string name="CustomFacto">!!</string>
30 <string name="CustomEn">In</string>
31 <string name="CustomEfibo">EFibo</string>
32 <string name="Custom1">1</string>
33 <string name="Custom2">2</string>
34 <string name="Custom3">3</string>
35 <string name="Custom4">4</string>
36 <string name="Custom0">0</string>
37 <string name="CustomShift">SHIFT</string>
38 <string name="CustomClean">CLEAN</string>
39 <string name="Custommas">+</string>
40 <string name="Custommenos">-</string>
41 <string name="Custommulti">*</string>
42 <string name="CustomDiv">/</string>
43 <string name="CustomCerrar">Close App</string>
44 <string name="Customigual">=</string>
45
46
47
48
49
50 </resources>
51
```

resources > string

Project Resource Manager Build Variants Favorites Structure Layout Captures Device File Explorer





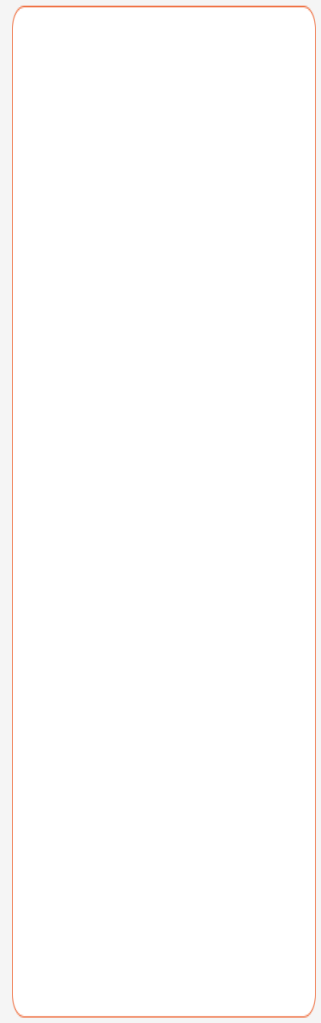
stilo\_boton.xml X

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <shape xmlns:android="http://schemas.android.com/apk/res/android">
3   <corners android:radius="16dp" />
4   <solid android:color="@color/colorPrimary" />
5   <stroke
6     android:width="1dp"
7     android:color="@color/colorWhite" />
8 </shape>
```



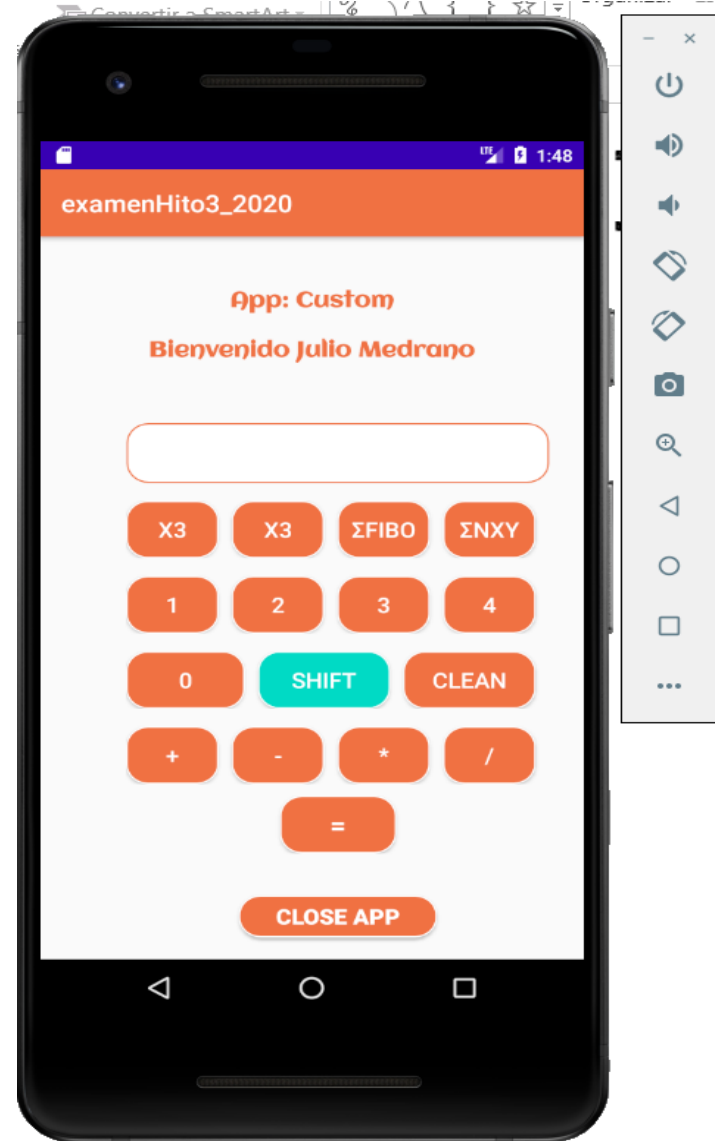
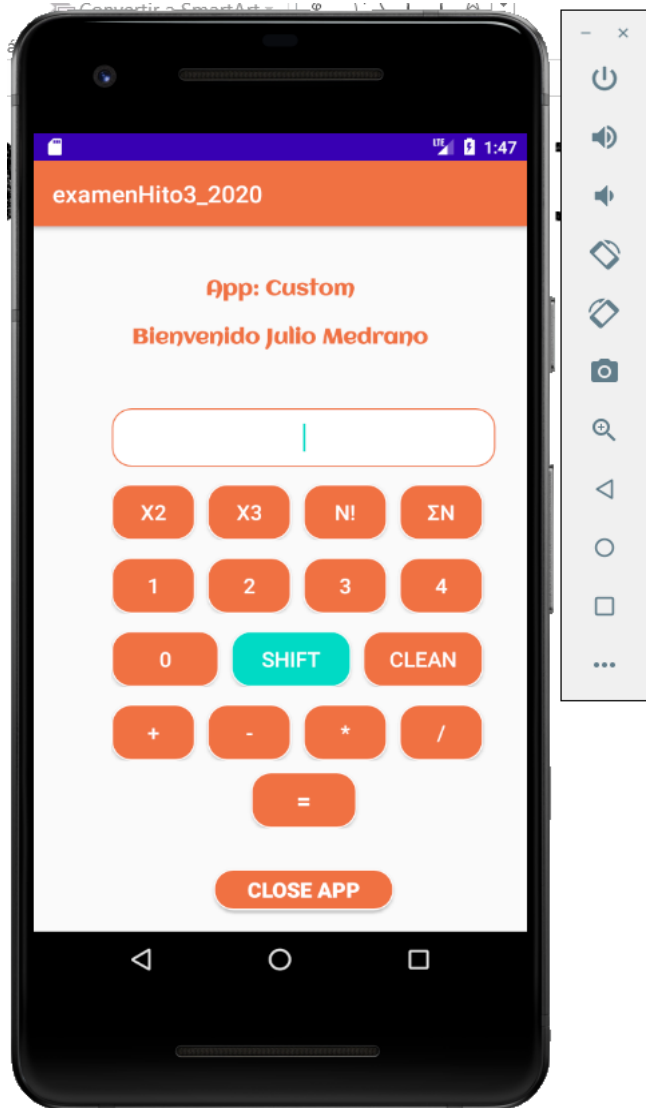
stilo\_edit\_text.xml X

```
1 <?xml version="1.0" encoding="utf-8"?>
2 <shape xmlns:android="http://schemas.android.com/apk/res/android">
3   <corners android:radius="26dp" />
4   <corners android:radius="16dp" />
5   <solid android:color="@color/colorWhite" />
6   <stroke
7     android:width="1dp"
8     android:color="@color/colorPrimary" />
9 </shape>
```



# CALCULADORA EN FUNCIONAMIENTO

## ■ USO DE BOTON SHIFT



## ■ CERRANDO APLICACION

