



activity\_main.xml

MainActivity.java

```
1 package com.example.control_spinner_testap;
2
3 > import ...
20
21 <> public class MainActivity extends AppCompatActivity {
22     private TextView date, time;
23     private EditText ed1, ed2;
24     private Calendar calendar;
25     private String currentDate, currentTime;
26     private Button verify, reset, close;
27     @SuppressWarnings("UseSwitchCompatOrMaterialCode")
28     private Switch s1;
29
30     @Override
31     protected void onCreate(Bundle savedInstanceState) {
32         super.onCreate(savedInstanceState);
33         setContentView(R.layout.activity_main);
34         date = findViewById(R.id.date);
35         time = findViewById(R.id.time);
36         calendar = Calendar.getInstance();
37         currentDate = DateFormat.getDateInstance(DateFormat.DEFAULT).format(calendar.getTime());
38         currentTime = DateFormat.getTimeInstance(DateFormat.SHORT).format(calendar.getTime());
39         date.setText(currentDate);
40         time.setText(currentTime);
41         ed1 = findViewById(R.id.ed1);
42         ed2 = findViewById(R.id.ed2);
43         verify = findViewById(R.id.verify);
44         reset = findViewById(R.id.reset);
45         close = findViewById(R.id.close);
46         s1 = findViewById(R.id.s1);
47
48         s1.setOnClickListener(new View.OnClickListener() {
49             @Override
50             public void onClick(View v) {
51                 dark();
52             }
53         });
54
55         verify.setOnClickListener(new View.OnClickListener() {
56             @Override
57             public void onClick(View View) {
58                 validation();
59                 closeKeyboard();
60             }
61         });
62
63         close.setOnClickListener(new View.OnClickListener() {
64             @Override
65             public void onClick(View View) {
66                 cerrar();
67             }
68         });
69     }
70     private boolean validation() {...}
96     private void cerrar() {...}
102     private void closeKeyboard() {...}
109     @Override
110     protected void onStart() {...}
124     private void reset() {...}
130     private void dark() {...}
142 }
```

Debug app

Threads &amp; Variables Console

estaP &gt; app &gt; src &gt; main &gt; java &gt; com &gt; example &gt; control\_spinner\_testap &gt; MainActivity

142:2 LF UTF-8 4 spaces

Control\_Spinner\_TestaP – MainActivity.java [Control\_Spinner\_TestaPApp.main]

Control\_Spinner\_TestaP ▾ Version control ▾ Pixel 7 Pro API 24 ▾ app ▾ ▶ ⚙️ ⋮ 🔍 ↺ ≡ ⚠️

activity\_main.xml MainActivity.java x ⋮ ⚠️

1 package com.example.control\_spinner\_testap;  
2  
3 > import ...  
20  
21 <> public class MainActivity extends AppCompatActivity {  
22 2 usages  
23 private TextView date, time;  
24 7 usages  
25 private EditText ed1, ed2;  
26 3 usages  
27 private Calendar calendar;  
28 3 usages  
29 private String currentDate, currentTime;  
30 2 usages  
31 private Button verify, reset, close;  
32 3 usages  
33 @SuppressWarnings("UseSwitchCompatOrMaterialCode")  
34 private Switch s1;  
35  
36 @Override  
37 protected void onCreate(Bundle savedInstanceState) {...}  
38 1 usage  
70 private boolean validation() {  
71 if (ed1.length() == 0 && ed2.length() == 0) {  
72 ed1.setError("Required");  
73 ed2.setError("Required");  
74 Toast.makeText( context: MainActivity.this, text: "Ingrese informacion en los campos requeridos", Toast.LENGTH\_LONG).show();  
75 Log.e( tag: "Validate", msg: "Required // Ingrese informacion para todos los campos requeridos");  
76 return false;  
77 }  
78 if (ed1.length() == 0) {  
79 ed1.setError("Required");  
80 Toast.makeText( context: MainActivity.this, text: "El usuario no puede quedar vacio", Toast.LENGTH\_LONG).show();  
81 Log.e( tag: "Validate", msg: "Required // Ingrese informacion en el primer campo");  
82 return false;  
83 }  
84 if (ed2.length() == 0) {  
85 ed2.setError("Required");  
86 Toast.makeText( context: MainActivity.this, text: "La clave no puede quedar vacia", Toast.LENGTH\_LONG).show();  
87 Log.e( tag: "Validate", msg: "Required // Ingrese informacion en el segundo campo");  
88 return false;  
89 }  
90 else {  
91 Toast.makeText( context: MainActivity.this, text: "Validando la informacion", Toast.LENGTH\_LONG).show();  
92 Log.e( tag: "Validate", msg: "Validando // Validando los campos con la informacion suministrada ");  
93 }  
94 return false;  
95 }  
96 1 usage  
97 private void cerrar() {...}  
98 1 usage  
102 private void closeKeyboard() {...}  
103  
104 @Override  
105 protected void onStart() {...}  
106 1 usage  
124 private void reset() {...}  
125 1 usage  
130 private void dark(){...}  
142 }  
143

10 32 ^ ▾ ⚠️

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Debug app x

Threads & Variables Console ⚙️ ⋮ 🔍 ↺ ≡ ⚠️

src > main > java > com > example > control\_spinner\_testap > MainActivity > validation 70:32 LF UTF-8 4 spaces

```
1 package com.example.control_spinner_testap;
2
3 > import ...
20
21 <> public class MainActivity extends AppCompatActivity {
22     2 usages
23     private TextView date, time;
24     7 usages
25     private EditText ed1, ed2;
26     3 usages
27     private Calendar calendar;
28     3 usages
29     private String currentDate, currentTime;
30     2 usages
31     private Button verify, reset, close;
32     3 usages
33     @SuppressWarnings("UseSwitchCompatOrMaterialCode")
34     private Switch s1;
35
36     @Override
37     protected void onCreate(Bundle savedInstanceState) {...}
38     1 usage
39
40     private boolean validation() {...}
41     1 usage
42
43     private void cerrar() {
44         Toast.makeText(context: MainActivity.this, text: "Cerrando", Toast.LENGTH_SHORT).show(); // La actividad ya
45         Log.d(tag: "Cerrar", msg: "Cerrando // La actividad ya no es visible (ahora esta \"detenida\").");
46         MainActivity.this.finish();
47         System.exit(status: 0);
48     }
49     1 usage
50
51     private void closeKeyboard() {
52         View view = this.getCurrentFocus();
53         if (view != null) {
54             InputMethodManager imm = (InputMethodManager) getSystemService(Context.INPUT_METHOD_SERVICE);
55             imm.hideSoftInputFromWindow(view.getWindowToken(), flags: 0);
56         }
57     }
58
59     @Override
60     protected void onStart() {
61         super.onStart();
62         Log.d(tag: "Date and Time", msg: "La fecha y hora actual es: " + currentDate + " " + currentTime);
63         Log.d(tag: "Start", msg: "Iniciando // La actividad está a punto de recurse visible");
64         Log.d(tag: "Materia", msg: "Materia: Programacion VI - Quiz N3");
65         Log.d(tag: "Nombre", msg: "Estudiante: Pablo Testa");
66         Log.d(tag: "Cedula", msg: "Cedula: 8-843-1065");
67         reset.setOnClickListener(new View.OnClickListener() {
68             @Override
69             public void onClick(View v) { reset(); }
70         });
71     }
72     1 usage
73
74     private void reset() {
75         ed1.setText(null);
76         ed2.setText(null);
77         ed1.setError(null);
78         ed2.setError(null);
79     }
80     1 usage
81
82     private void dark() {
83         if (s1.isChecked()) {
84             AppCompatDelegate.setDefaultNightMode(AppCompatDelegate.MODE_NIGHT_YES);
85             Toast.makeText(context: MainActivity.this, text: "Dark Mode Activado", Toast.LENGTH_LONG).show();
86             Log.e(tag: "Dark_Mode", msg: "ON // El tema dark ha sido activado");
87         }
88         else {
89             AppCompatDelegate.setDefaultNightMode(AppCompatDelegate.MODE_NIGHT_NO);
90             Toast.makeText(context: MainActivity.this, text: "Dark Mode Desactivado", Toast.LENGTH_LONG).show();
91             Log.e(tag: "Dark_Mode", msg: "OFF // El tema dark ha sido desactivado");
92         }
93     }
94
95 }
```



Control\_Spinner\_TestaP – activity\_main.xml [Control\_Spinner\_TestaPApp.main]

Control\_Spinner\_TestaP ▾ Version control ▾ Pixel 7 Pro API 24 ▾ app ▾ ▶ ⚙️ ⋮

activity\_main.xml x MainActivity.java

1 <?xml version="1.0" encoding="utf-8"?>  
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto" xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:textAlignment="inherit" tools:context=".MainActivity" tools:layout\_editor\_absoluteX="-1dp" tools:layout\_editor\_absoluteY="528dp">  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12 <TextView...>  
13  
14  
15  
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26 <TextView...>  
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40 <TextView...>  
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55 <TextView...>  
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67 <TextView...>  
68  
69  
70  
71  
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74  
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77  
78  
79  
80  
81  
82 <Switch  
83     android:id="@+id/s1"  
84     android:layout\_width="wrap\_content"  
85     android:layout\_height="wrap\_content"  
86     android:fontFamily="@font/fira\_code\_medium"  
87     android:text="Dark mode"  
88     android:textSize="16sp"  
89     app:layout\_constraintStart\_toStartOf="@+id/name"  
90     app:layout\_constraintTop\_toBottomOf="@+id/name"  
91     tools:ignore="MissingConstraints,UseSwitchCompatOrMaterialDialog"  
92 >  
93  
94  
95  
96  
97  
98  
99  
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101  
102  
103  
104  
105  
106  
107  
108  
109 <EditText  
110     android:id="@+id/ed1"  
111     android:layout\_width="0dp"  
112     android:layout\_height="wrap\_content"  
113     android:layout\_marginTop="36dp"  
114     android:autoFillHints=""  
115     android:ems="10"  
116     android:fontFamily="@font/fira\_code\_medium"  
117     android:hint="Ingrese nombre del usuario"  
118     android:inputType="text"  
119     android:textSize="16sp"  
120     app:layout\_constraintEnd\_toEndOf="parent"  
121     app:layout\_constraintStart\_toStartOf="parent"  
122     app:layout\_constraintTop\_toBottomOf="@+id/s1"  
123     tools:ignore="MissingConstraints" />  
124  
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131  
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162  
163 </androidx.constraintlayout.widget.ConstraintLayout>

activity\_main.xml ▾

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Palette

androidx.constraintlayout.widget.ConstraintLayout

Debug app x

Threads & Variables Console

Control\_Spinner\_TestaP > app > src > main > res > layout > activity\_main.xml

LF UTF-8 4 spaces

Date

Time

Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☒

Ingrese nombre del usuario

Ingrese la contraseña

Close

Verify

Reset

Control\_Spinner\_TestaP - activity\_main.xml [Control\_Spinner\_TestaPApp.main]

Control\_Spinner\_TestaP ▾ Version control ▾ Pixel 7 Pro API 24 ▾ app ▾ ▶ ⚙️ ⋮

activity\_main.xml x MainActivity.java

1 <?xml version="1.0" encoding="utf-8"?>  
2 <androidx.constraintlayout.widget.ConstraintLayout xmlns:android="http://schemas.android.com/apk/res-auto" xmlns:tools="http://schemas.android.com/tools" android:layout\_width="match\_parent" android:layout\_height="match\_parent" android:textAlignment="inherit" tools:context=".MainActivity" tools:layout\_editor\_absoluteX="-1dp" tools:layout\_editor\_absoluteY="528dp">  
3  
4  
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10  
11  
12 <TextView...>  
13  
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26 <TextView...>  
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55 <TextView...>  
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67 <TextView...>  
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81 <Switch...>  
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92 <EditText...>  
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108 <EditText...>  
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123  
124 <Button  
125 android:id="@+id/verify"  
126 android:layout\_width="wrap\_content"  
127 android:layout\_height="wrap\_content"  
128 android:layout\_marginEnd="1dp"  
129 android:layout\_marginBottom="155dp"  
130 android:fontFamily="@font/fira\_code\_medium"  
131 android:onClick="verify"  
132 android:text="Verify"  
133 app:layout\_constraintBottom\_toBottomOf="parent"  
134 app:layout\_constraintEnd\_toStartOf="@+id/reset"  
135 app:layout\_constraintStart\_toEndOf="@+id/close"  
136 tools:ignore="MissingConstraints" />  
137  
138 <Button  
139 android:id="@+id/close"  
140 android:layout\_width="wrap\_content"  
141 android:layout\_height="wrap\_content"  
142 android:layout\_marginStart="9dp"  
143 android:fontFamily="@font/fira\_code\_medium"  
144 android:text="Close"  
145 app:layout\_constraintBaseline\_toBaselineOf="@+id/verify"  
146 app:layout\_constraintEnd\_toStartOf="@+id/verify"  
147 app:layout\_constraintHorizontal\_chainStyle="spread"  
148 app:layout\_constraintStart\_toStartOf="parent"  
149 tools:ignore="MissingConstraints" />  
150  
151 <Button  
152 android:id="@+id/reset"  
153 android:layout\_width="wrap\_content"  
154 android:layout\_height="wrap\_content"  
155 android:layout\_marginEnd="6dp"  
156 android:fontFamily="@font/fira\_code\_medium"  
157 android:text="Reset"  
158 app:layout\_constraintBaseline\_toBaselineOf="@+id/verify"  
159 app:layout\_constraintEnd\_toEndOf="parent"  
160 app:layout\_constraintStart\_toEndOf="@+id/verify"  
161 tools:ignore="MissingConstraints" />  
162  
163 </androidx.constraintlayout.widget.ConstraintLayout>  
164

activity\_main.xml ▾ ⚙️ ⋮

0dp | 0° | I

?

Palette

Date Time

Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☐

Ingrese nombre del usuario

Ingrese la contraseña

Close Verify Reset

Component Tree

androidx.constraintlayout.widget.ConstraintLayout

Debug app x

Threads & Variables Console

Control\_Spinner\_TestaP > app > src > main > res > layout > activity\_main.xml LF UTF-8 4 spaces



7:03

Feb 23, 2024

7:03 PM

## Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☐

Close

Verify

Reset



1:1







LTE 7:04

Feb 23, 2024

7:03 PM

## Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☐

Ingrese nombre del usuario



Required

Ingrese la contraseña



Close

Verify

Reset

Ingrese informacion en los campos  
requeridos



LTE 7:04

Feb 23, 2024

7:03 PM

## Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☐

Pablo Testa

---

Ingrese la contraseña

---



Required

Close

Verify

Reset

La clave no puede quedar vacia





LTE 7:05

Feb 23, 2024

7:03 PM

## Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☐

Pablo Testa

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12345678910

---

Close

Verify

Reset

Validando la informacion



Feb 23, 2024

7:05 PM

## Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☒

Pablo Testa

12345678910

Close

Verify

Reset

Dark Mode Activado



LTE 7:06

Feb 23, 2024

7:06 PM

## Laboratorio N°4

Cédula: 8-843-1065

Nombre: Pablo Testa

Dark mode ☐

Pablo Testa

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12345678910

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Close

Verify

Reset

Dark Mode Desactivado