



Instituto Politécnico Nacional
ESCOM
“Escuela Superior de Cómputo”



Application Development for Mobile Devices

16/02/2022

Tarea 2

EditText

Profesor: Cifuentes Álvarez Alejandro
Sigfrido

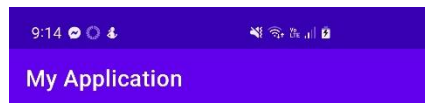
Grupo: 3CM16

Nombre: Santiago Pérez Carlos Augusto

1. La clase EditText

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

    <EditText
        android:id="@+id/xet1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:text="Texto de entrada" />
</RelativeLayout>
```



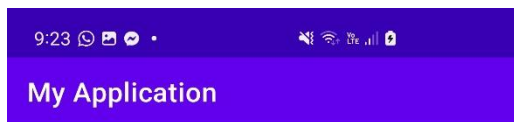
2. Obtener el texto del EditText.

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

    <EditText
        android:id="@+id/xet1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:hint="Teléfono"
        android:inputType="phone" />

    <Button
        android:id="@+id/xbn1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_below="@+id/xet1"
        android:layout_centerHorizontal="true"
        android:onClick="verValor"
        android:text="Guardar" />

</RelativeLayout>
```

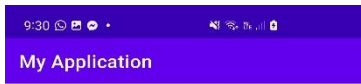


Teléfono

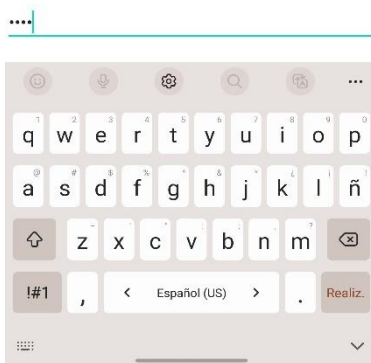
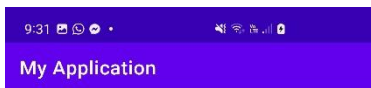
GUARDAR

3. Tipos de entrada en EditText

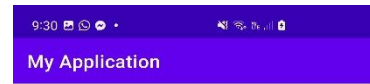
InputType Text



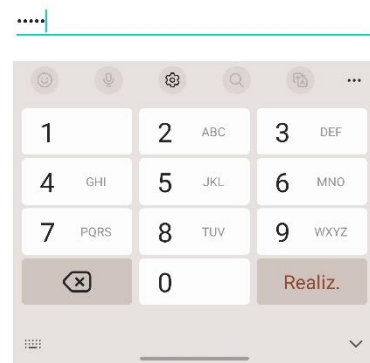
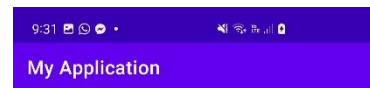
InputType textPassword



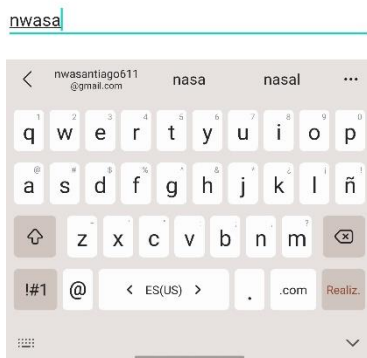
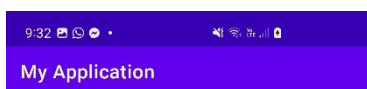
InputType textPersonName



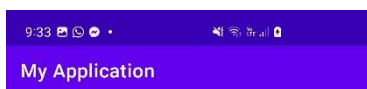
InputType numberPassword



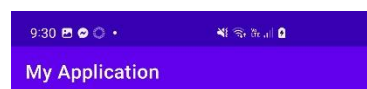
InputType textEmailAddress



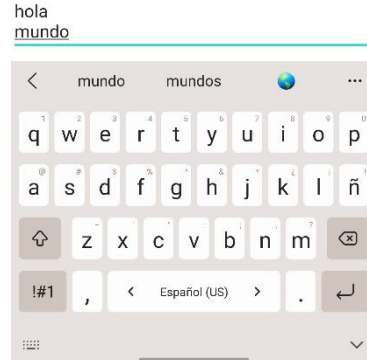
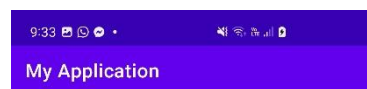
InputType textPostalAddress



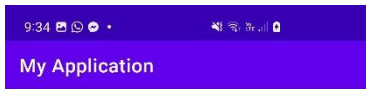
InputType phone



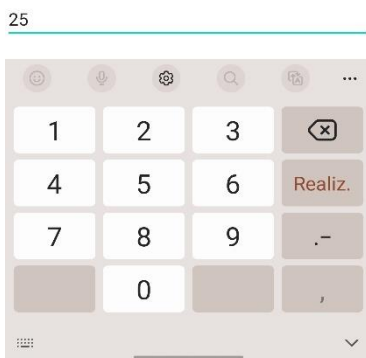
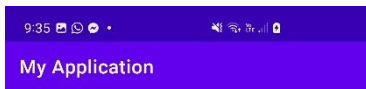
InputType textMultiLine



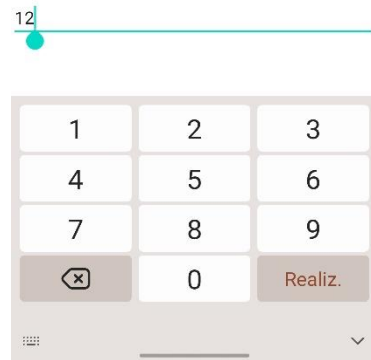
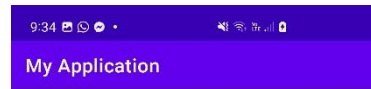
InputType time



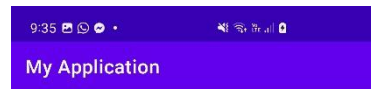
InputType number



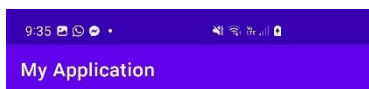
InputType date



InputType numberSigned



InputType numberDecimal

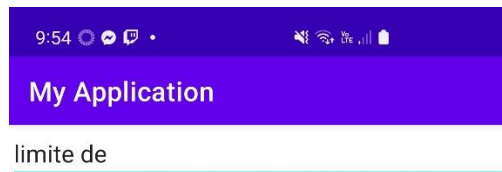


4. Limitación de la cantidad máxima de caracteres en la entrada.

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

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/xet1"
        android:inputType="text"
        android:hint="Apodo"
        android:maxLength="9"
        android:layout_alignParentTop="true"
        android:layout_centerHorizontal="true"
    />

</RelativeLayout>
```

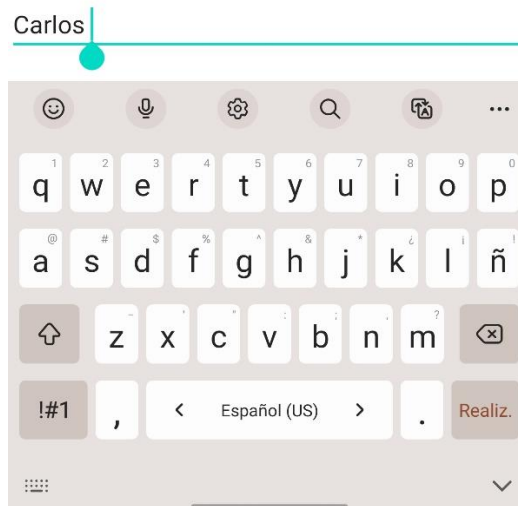
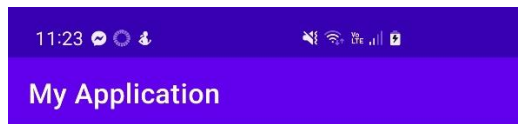


5. Un EditText de una sola línea.

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

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/xet1"
        android:hint="Nombre:"
        android:singleLine="true"
        android:layout_centerVertical="true"
        android:layout_alignParentRight="true"
        android:layout_alignParentEnd="true"
    />

</RelativeLayout>
```

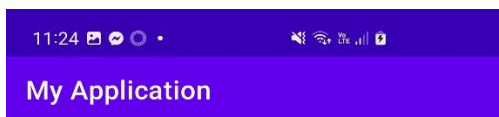


6. La propiedad `ems`.

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

    <EditText
        android:id="@+id/xet1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:ems="6"
        android:hint="Un texto"
        android:inputType="text"
    />

</RelativeLayout>
```



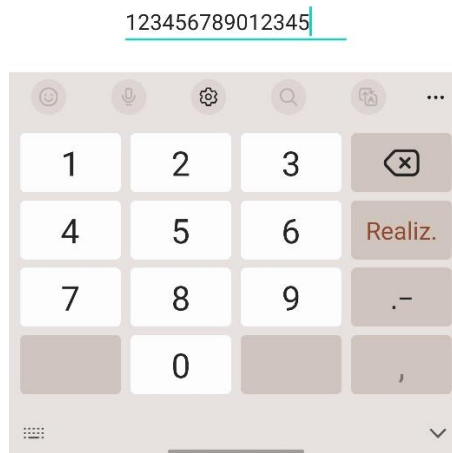
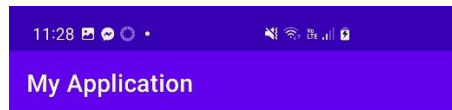
Un texto

7. Ingreso de dígitos del 0 al 9.

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

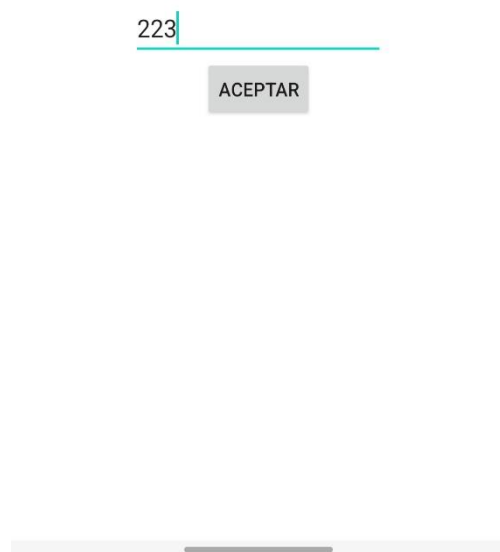
    <EditText
        android:id="@+id/xet1"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerHorizontal="true"
        android:layout_centerVertical="true"
        android:digits="1234567890 "
        android:singleLine="true"
        android:maxLength="15"
        android:inputType="number"
        android:ems="9"
        android:hint="RFC?"
    />

</RelativeLayout>
```



8. Teclado virtual oculto desde Java

Al pulsar aceptar, el teclado se oculta

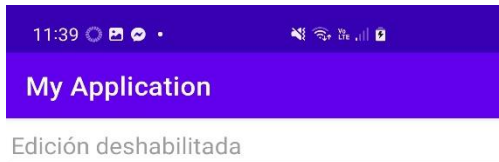


9. Un EditText no editable.

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

    <EditText
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/xet1"
        android:enabled="false"
        android:hint="Edición deshabilitada"
    />

</RelativeLayout>
```

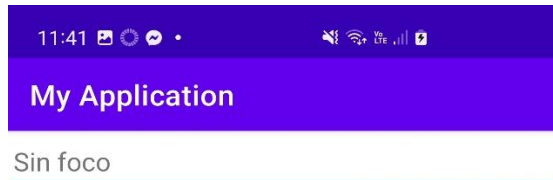


10. Manejo del foco en EditText.

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

    <EditText
        android:id="@+id/campo_sin_foco"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:focusable="false"
        android:hint="Sin foco"
    />

</RelativeLayout>
```



11. Asignación del foco a un EditText

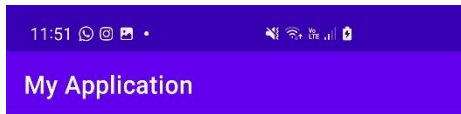
Sin cambios al MainActivity

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

    <EditText
        android:id="@+id/xet1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="con foco al inicio" />

    <EditText
        android:id="@+id/xet2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="sin foco al inicio" />

</LinearLayout>
```



con foco al inicio

sin foco al inicio

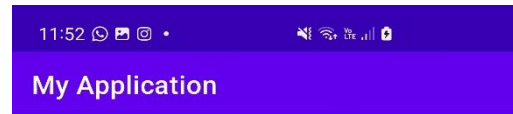
Con cambios al MainActivity

```
package com.example.myapplication;

import androidx.appcompat.app.AppCompatActivity;
import android.os.Bundle;

public class MainActivity extends AppCompatActivity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        if (findViewById(R.id.xet1).isFocusable()) {
            findViewById(R.id.xet2).requestFocus();
        }
    }
}
```

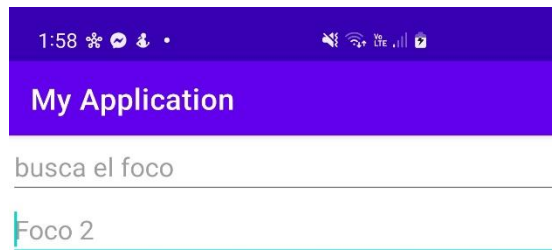


con foco al inicio

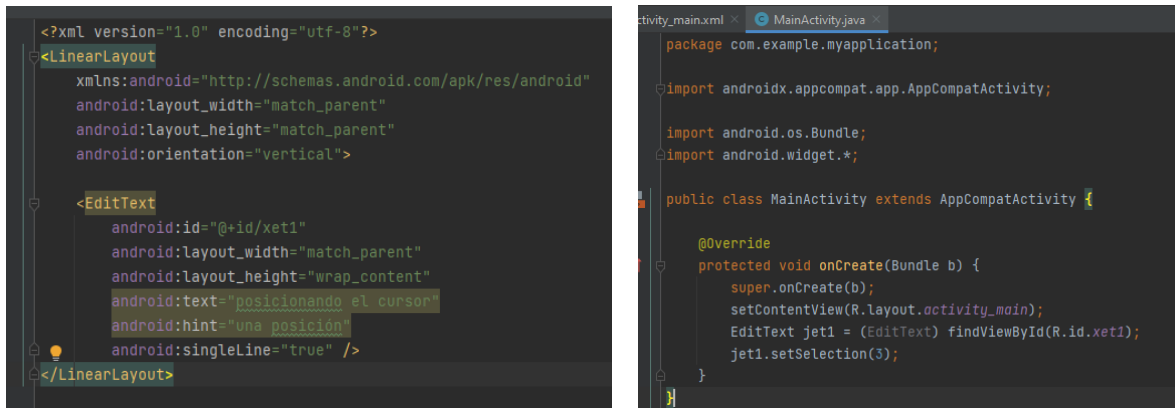
sin foco al inicio

12. Asignación del foco hacia otros componentes

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical" >
    <EditText
        android:id="@+id/xet1"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="busca el foco"
        android:nextFocusRight="@+id/xet2"
        android:singleLine="true" />
    <EditText
        android:id="@+id/xet2"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="Foco 2"
        android:nextFocusLeft="@+id/xet1"
        android:singleLine="true" />
</LinearLayout>
```



13. Cambio de posición del cursor.



2:00



posicionando el cursor

14. Obtención de la posición del cursor

```
protected void onCreate(Bundle b) {  
    super.onCreate(b);  
    setContentView(R.layout.activity_main);  
    EditText campo1 = (EditText) findViewById(R.id.xet1);  
    Log.d( tag: "Obteniendo cursor...", String.valueOf(campo1.getSelectionEnd()));  
}
```

2:00 🌐 📶 🔋 •

🔊 📶 🔋 🔋 🔋 🔋 🔋

posicionando el cursor

15. Seleccionando dinámicamente el texto

```
protected void onCreate(Bundle b) {
    super.onCreate(b);
    setContentView(R.layout.activity_main);
    jet1 = (EditText) findViewById(R.id.xet1);
    jet2 = jet1.getText();
    for (int i = ini; i < jet1.length(); i++)
        if (jet2.charAt(i) == ' ')
            fin = i;
    jet1.setSelection(ini, fin);
}
```



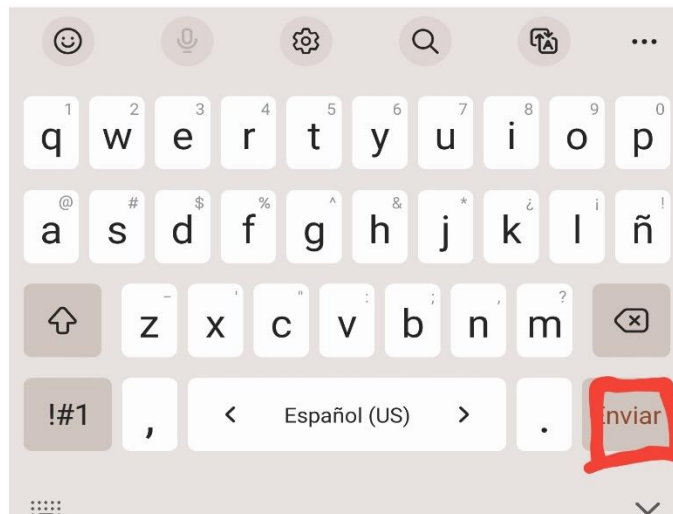
16. Selección completa del texto.

```
1 package com.example.myapplication;
2
3 import android.app.*;
4 import android.os.*;
5 import android.widget.EditText;
6 public class MainActivity extends Activity {
7     @Override
8     protected void onCreate(Bundle b) {
9         super.onCreate(b);
10        setContentView(R.layout.activity_main);
11        EditText jet1 = (EditText) findViewById(R.id.xet1);
12        jet1.selectAll();
13    }
14 }
```

algún texto

17. Editor del método de entrada InputMethodEntry(ime).

En mi caso, no muestra ningún icono, sino el texto de la acción, es por eso que el botón esta como Enviar.



18. Manejo de los eventos

```
super.onCreate(b);
setContentView(R.layout.activity_main);
EditText jet1 = (EditText) findViewById(R.id.jet1);
jet1.addTextChangedListener(new TextWatcher() {
    @Override
    public void beforeTextChanged(CharSequence s, int start, int count, int
        after){}
    @Override
    public void onTextChanged(CharSequence s, int start, int before, int count)
    {}
    @Override
    public void afterTextChanged(Editable e) {
        TextView tv = (TextView) findViewById(R.id.tv1);
        String t = String.valueOf(e.length());
        tv.setText(t);
    }
});
```

7:11



hola mundo



15



19. Control de los eventos de los botones.

```
@Override
public boolean onEditorAction(TextView v, int id, KeyEvent ke) {
    boolean b = false;
    if(id == EditorInfo.IME_ACTION_SEARCH){
        Toast.makeText(context MainActivity.this, text: "búsqueda..." +
            v.getText().toString(), Toast.LENGTH_LONG).show();
        InputMethodManager imm = (InputMethodManager)
            getSystemService(INPUT_METHOD_SERVICE);
        imm.hideSoftInputFromWindow(v.getWindowToken(), flags: 0);
        b = true;
    }
    return b;
}
```

7:13

hola mundo

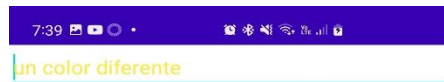


búsqueda...hola mundo

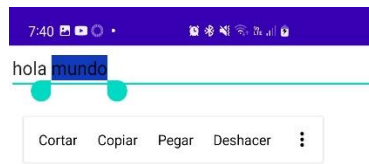
20. Uso de onFocusChangeListener para cambiar el foco.



21. Cambio de color de hint.



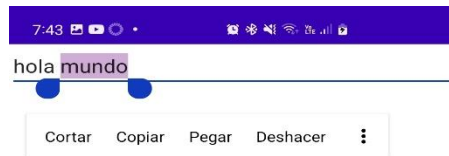
22. Cambio de color del texto seleccionado.



23. Centrado del texto



24. Cambio de color del borde.



25. Cambio del tamaño de la fuente.



26. Uso de AutoCompleteTextView

