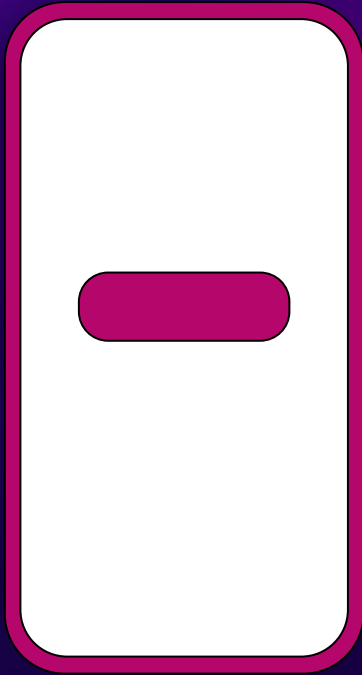


Desarrollo Android

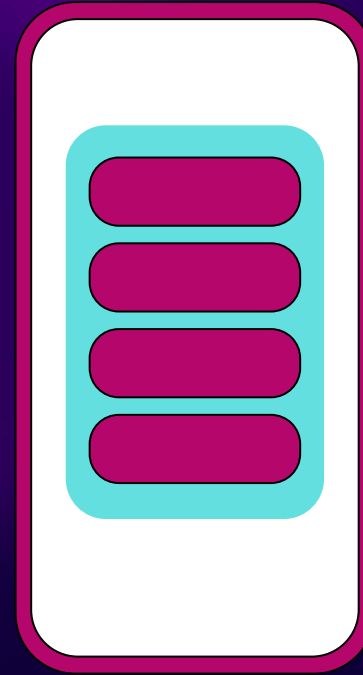
Clase 05

Vistas

Views



ViewGroups



Views

TextView

Roboto Thin

Roboto Light

Roboto Regular

Roboto Medium

Roboto Bold

Roboto Black

Roboto Thin Italic

Roboto Light Italic

Roboto Italic

Roboto Medium Italic

Roboto Bold Italic

Roboto Black Italic

Display 4

Light 112sp

Display 3

Regular 56sp

Display 2

Regular 45sp

Display 1

Regular 34sp

Headline

Regular 24sp

Title

Medium 21sp

Subheading

Regular 17sp, (Device), Regular 16sp (Desktop)

Body 2

Medium 15sp (Device), Medium 14sp (Desktop)

Body 1

Regular 15sp (Device), Regular 14sp (Desktop)

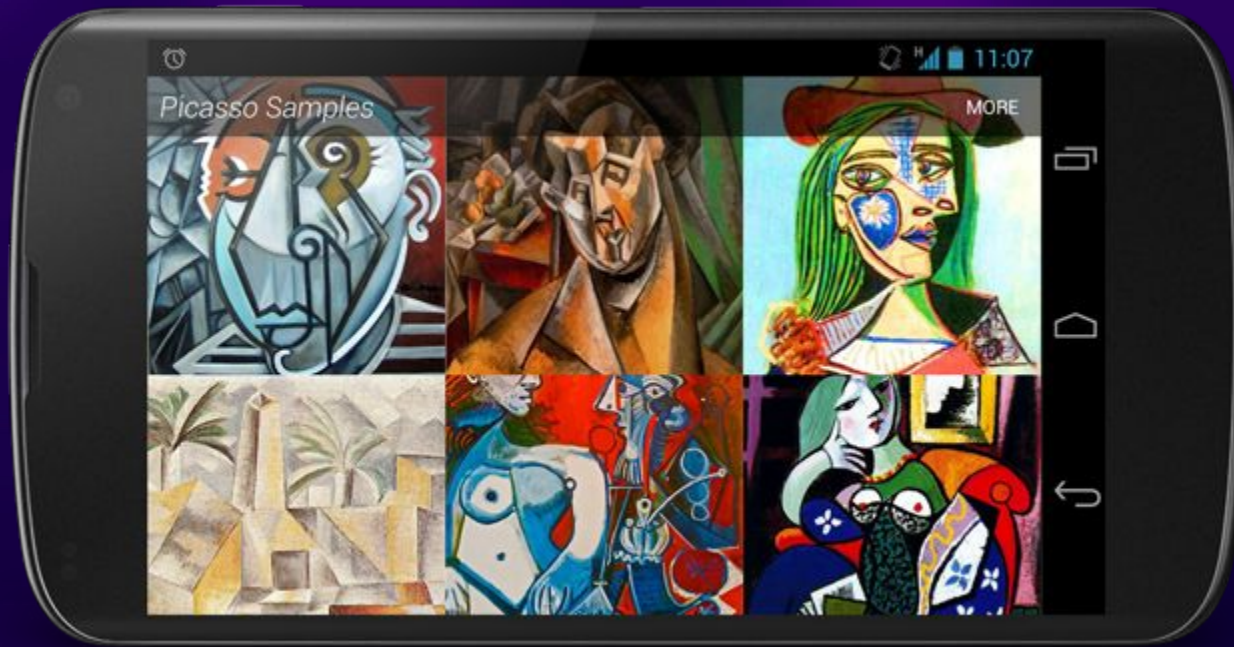
Caption

Regular 13sp

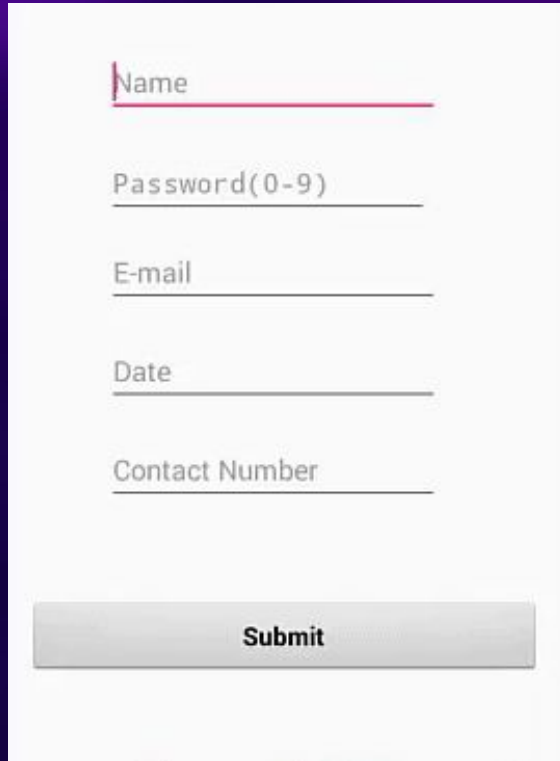
Button

Medium 15sp

ImageView



EditText / TextInputLayout



A vertical form with five text input fields and a submit button. The fields are labeled "Name", "Password(0-9)", "E-mail", "Date", and "Contact Number". Each field has a red underline. The submit button is a gray rectangle with the text "Submit" in black.

Name

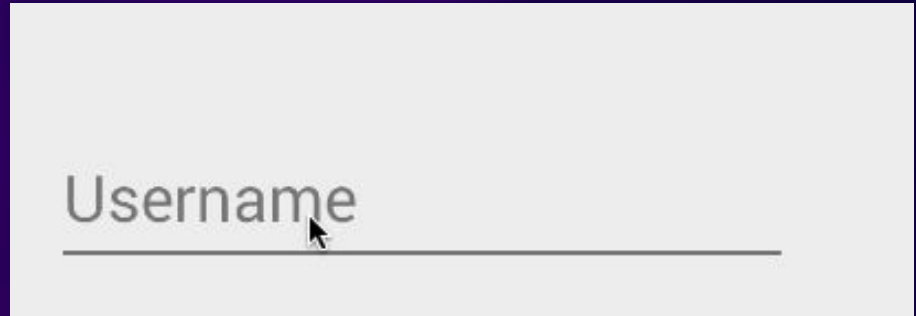
Password(0-9)

E-mail

Date

Contact Number

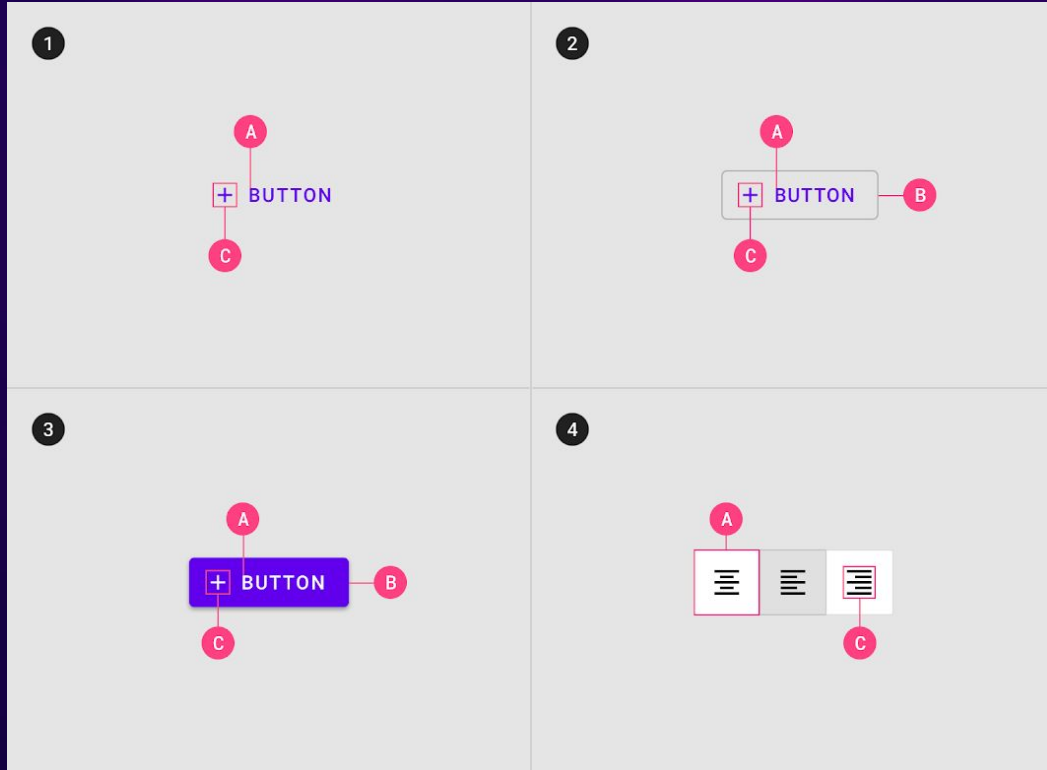
Submit



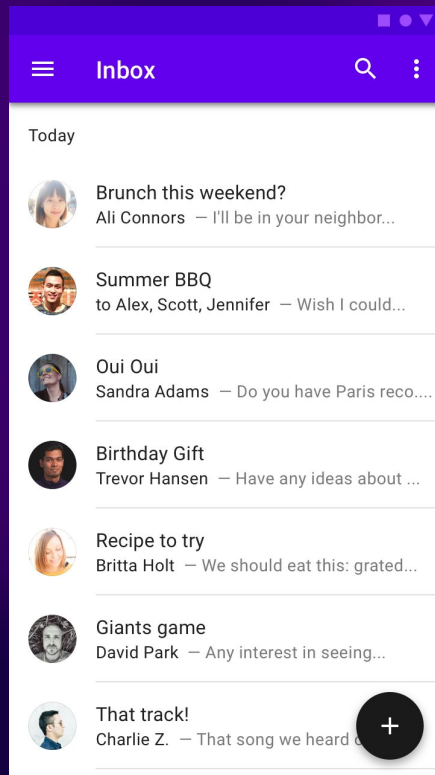
A horizontal form with a single text input field. The field is labeled "Username" and has a gray underline. A mouse cursor is pointing at the end of the underline.

Username

Button



Floating Action Button

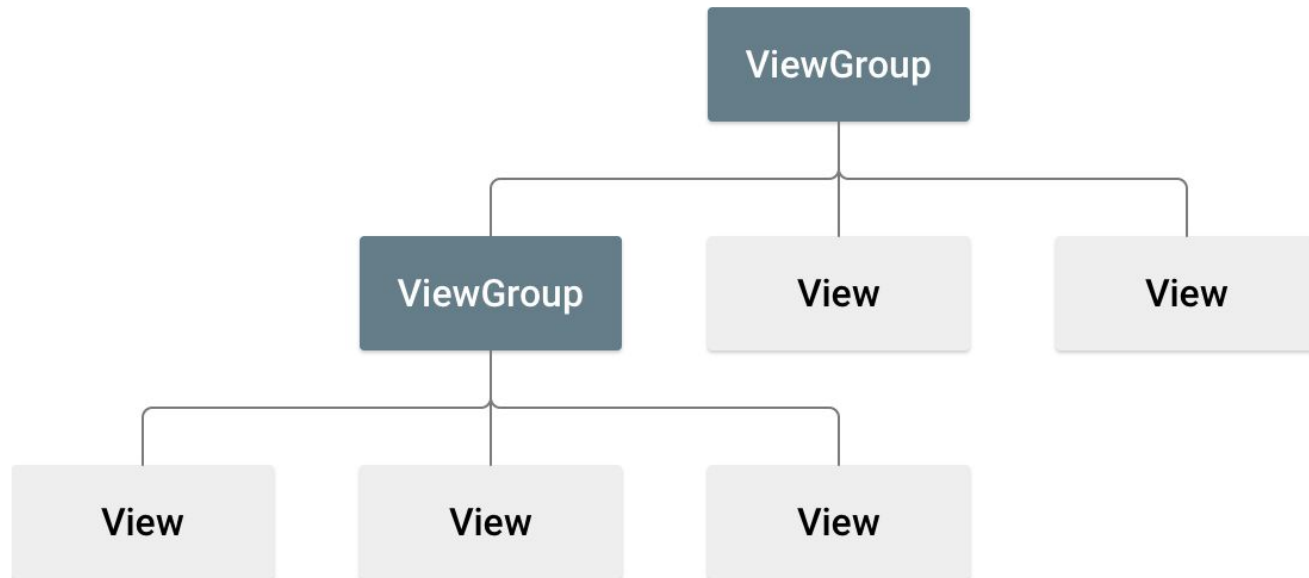


Y muchas más!

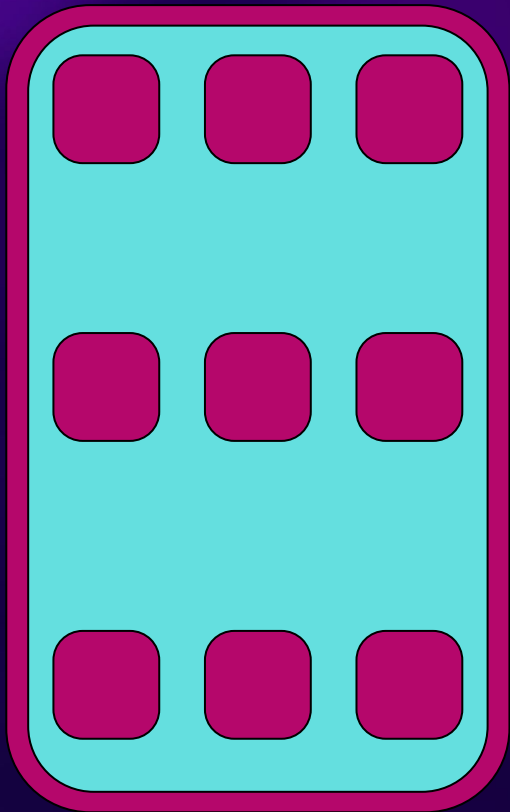
ViewGroups

(Layouts)

ViewGroups



FrameLayout



```
<FrameLayout>

  <View android:id="@+id/view1"
        android:layout_gravity="start|top"/>

  <View android:id="@+id/view2"
        android:layout_gravity="center_horizontal|top"/>

  <View android:id="@+id/view3"
        android:layout_gravity="end|top"/>

  <View android:id="@+id/view4"
        android:layout_gravity="start|center_vertical"/>

  <View android:id="@+id/view5"
        android:layout_gravity="center_horizontal|center_vertical"/>

  <View android:id="@+id/view6"
        android:layout_gravity="end|center_vertical"/>

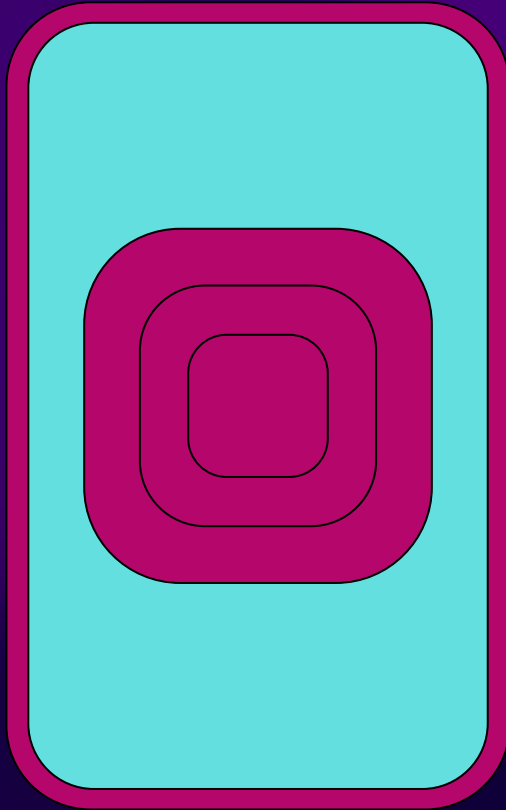
  <View android:id="@+id/view7"
        android:layout_gravity="start|bottom"/>

  <View android:id="@+id/view8"
        android:layout_gravity="center_horizontal|bottom"/>

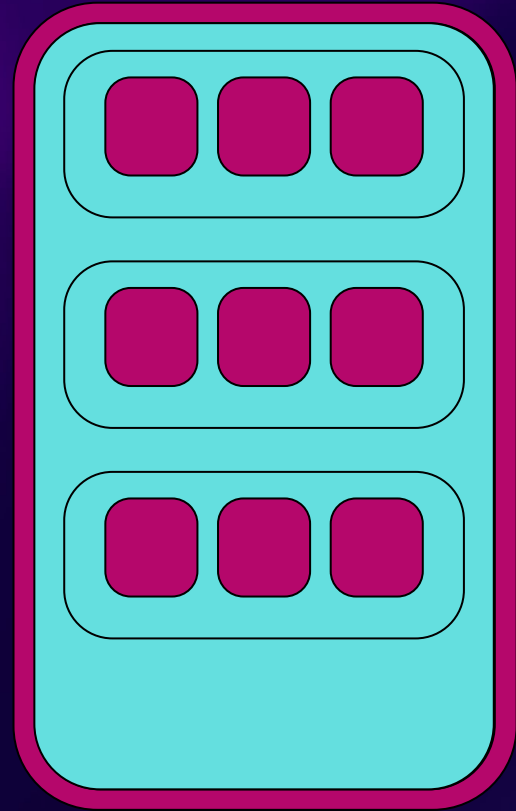
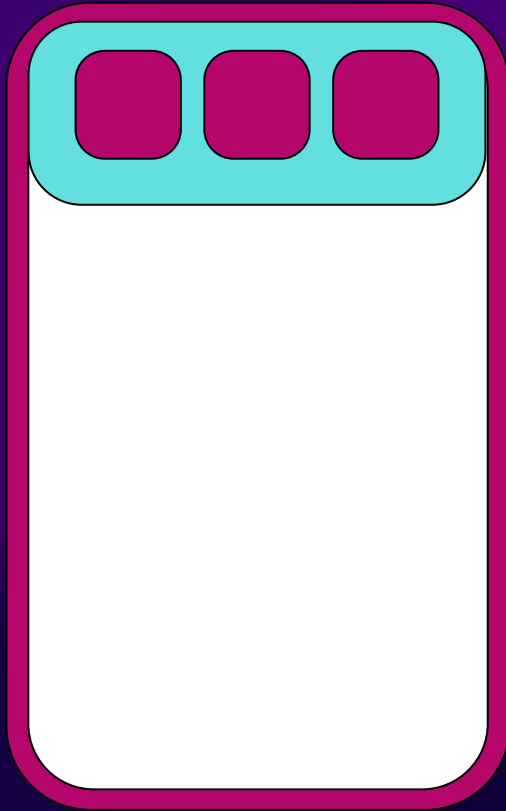
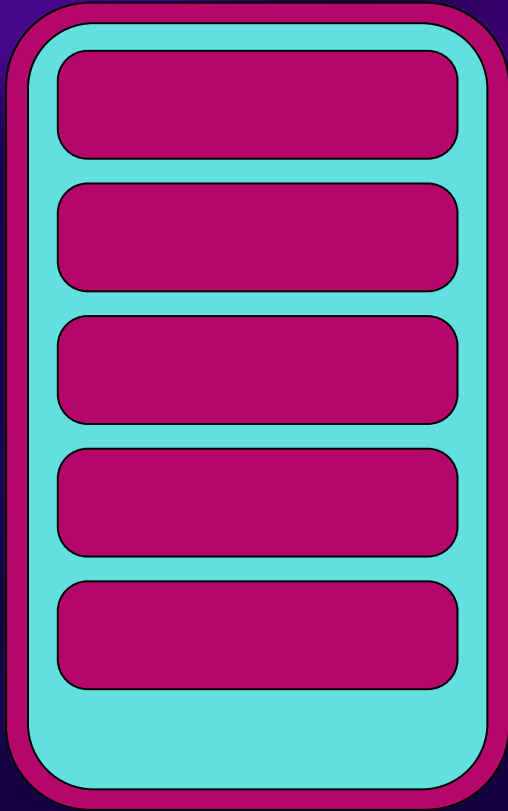
  <View android:id="@+id/view9"
        android:layout_gravity="end|bottom"/>

</FrameLayout>
```

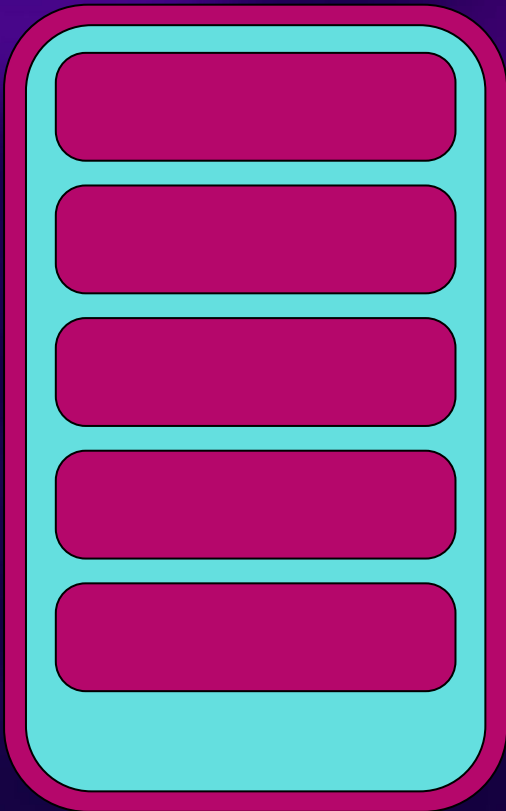
FrameLayout



LinearLayout

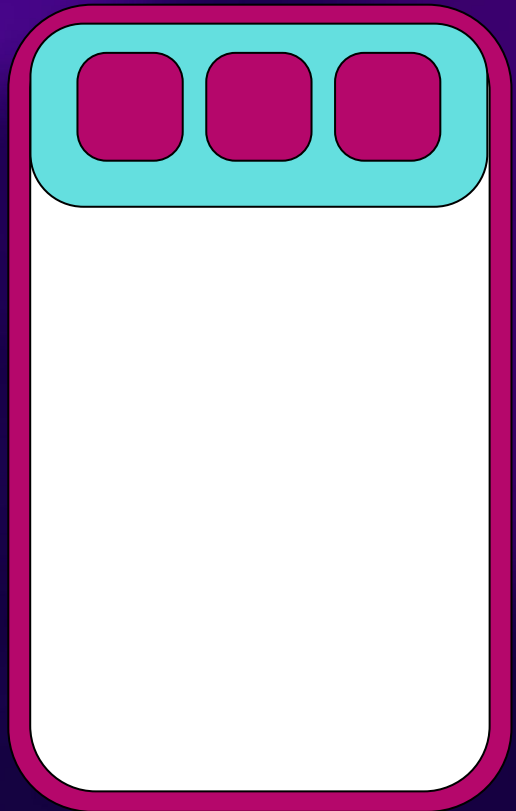


LinearLayout



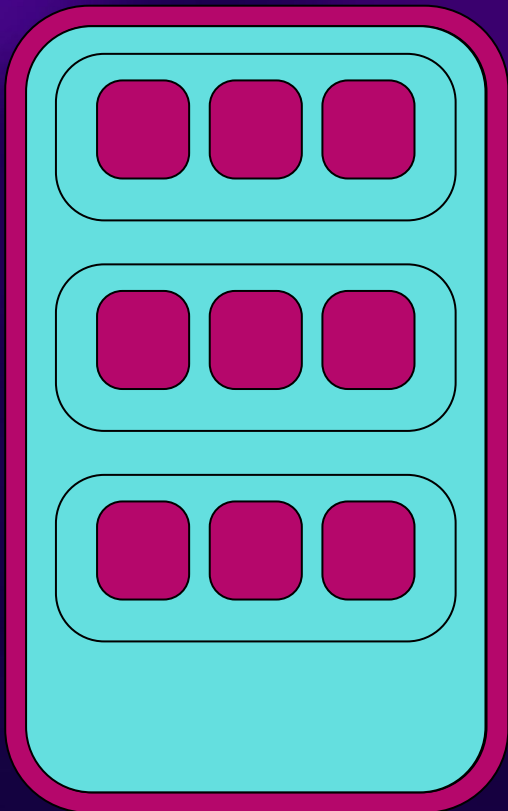
```
<LinearLayout  
    android:orientation="vertical">  
  
    <View android:id="@+id/view1"/>  
  
    <View android:id="@+id/view2"/>  
  
    <View android:id="@+id/view3"/>  
  
    <View android:id="@+id/view4"/>  
  
    <View android:id="@+id/view5"/>  
  
</LinearLayout>
```


LinearLayout



```
<LinearLayout  
    android:orientation="horizontal">  
  
    <View android:id="@+id/view1"/>  
  
    <View android:id="@+id/view2"/>  
  
    <View android:id="@+id/view3"/>  
  
</LinearLayout>
```

LinearLayout



```
<LinearLayout android:orientation="vertical">

    <LinearLayout android:orientation="horizontal">

        <View android:id="@+id/view1"/>

        <View android:id="@+id/view2"/>

        <View android:id="@+id/view3"/>

    </LinearLayout>

    <LinearLayout android:orientation="horizontal">

        <View android:id="@+id/view4"/>

        <View android:id="@+id/view5"/>

        <View android:id="@+id/view6"/>

    </LinearLayout>

    <LinearLayout android:orientation="horizontal">

        <View android:id="@+id/view7"/>

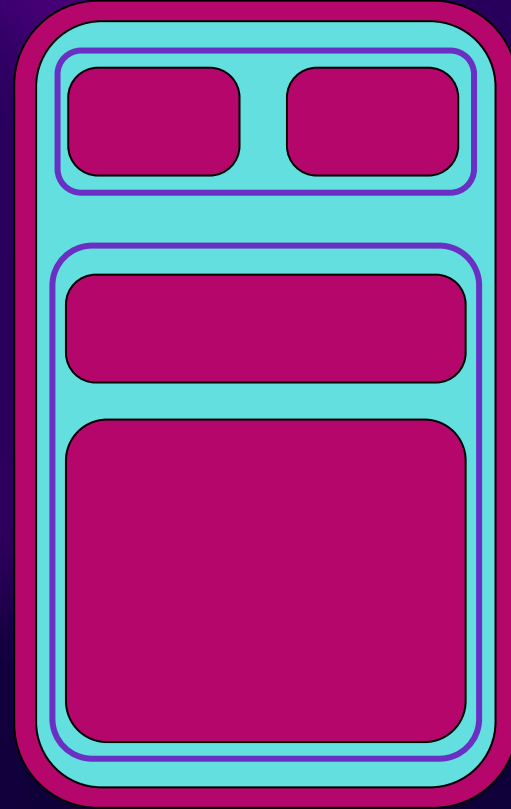
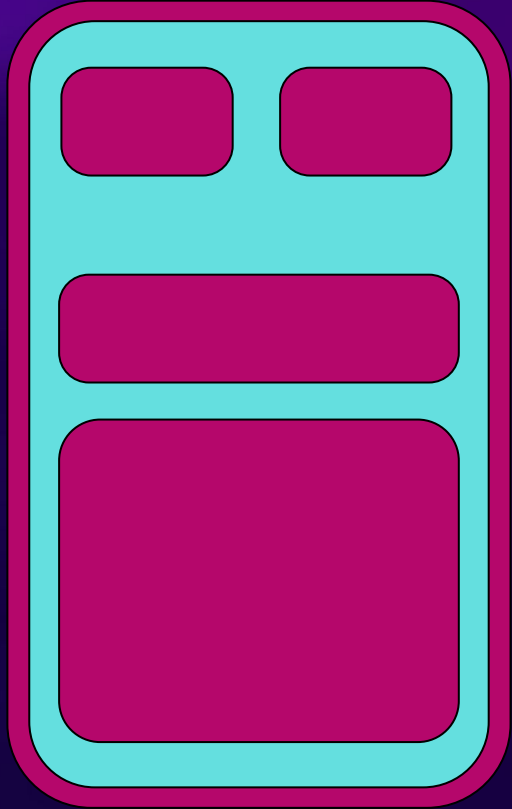
        <View android:id="@+id/view8"/>

        <View android:id="@+id/view9"/>

    </LinearLayout>

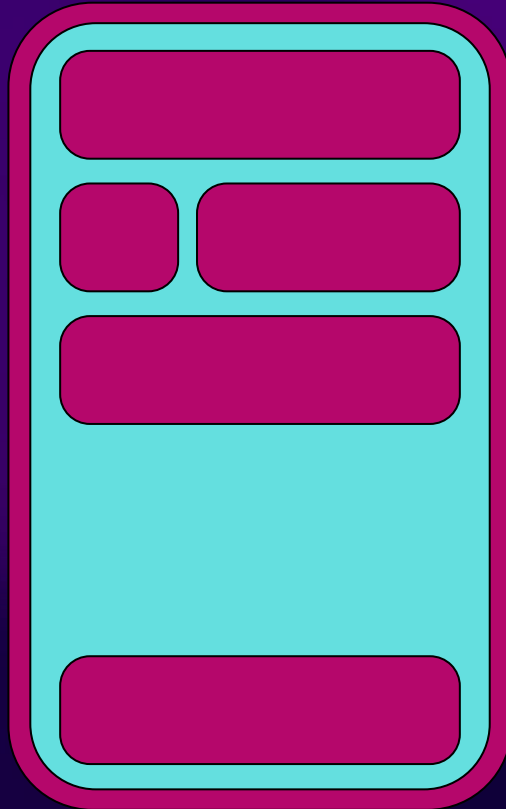
</LinearLayout>
```

RelativeLayout



Layouts
Anidados

RelativeLayout



RelativeLayout

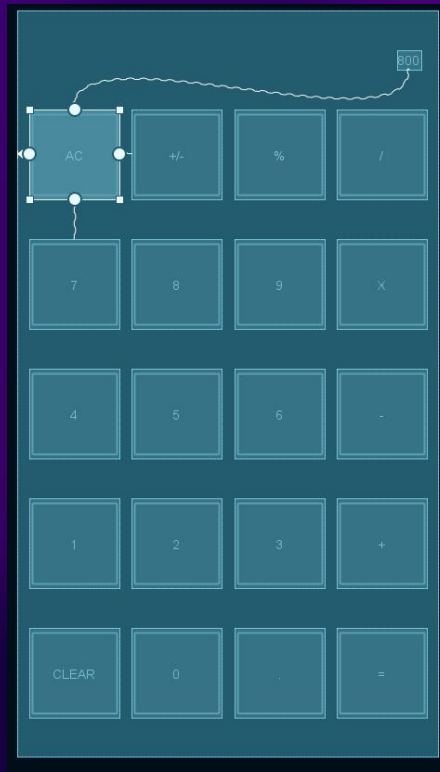
```
<RelativeLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:paddingLeft="16dp"
    android:paddingRight="16dp" >
    <EditText
        android:id="@+id/name"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:hint="@string/reminder" />
    <Spinner
        android:id="@+id/dates"
        android:layout_width="0dp"
        android:layout_height="wrap_content"
        android:layout_below="@id/name"
        android:layout_alignParentLeft="true"
        android:layout_toLeftOf="@+id/times" />
    <Spinner
        android:id="@id/times"
        android:layout_width="96dp"
        android:layout_height="wrap_content"
        android:layout_below="@id/name"
        android:layout_alignParentRight="true" />
    <Button
        android:layout_width="96dp"
        android:layout_height="wrap_content"
        android:layout_below="@id/times"
        android:layout_alignParentRight="true"
        android:text="@string/done" />
</RelativeLayout>
```

RelativeLayout



Nota: Para un mejor rendimiento y asistencia con las herramientas, debes [crear tu diseño con ConstraintLayout](#).

ConstraintLayouts



ConstraintLayouts

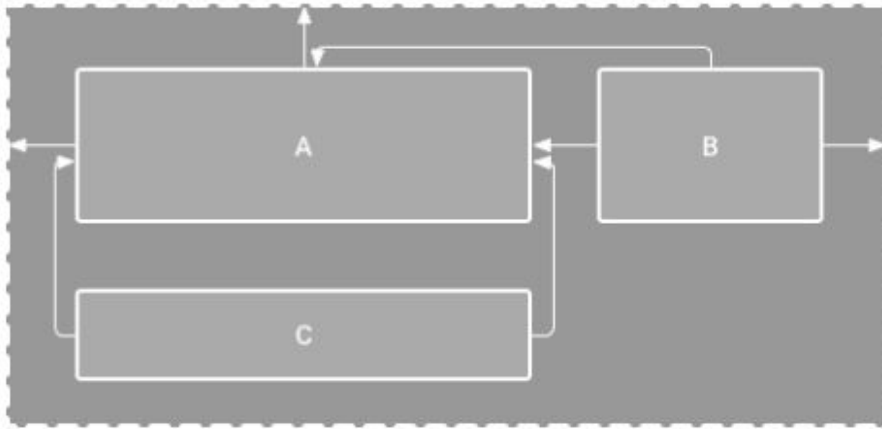


Figure 1. The editor shows view C below A, but it has no vertical constraint.

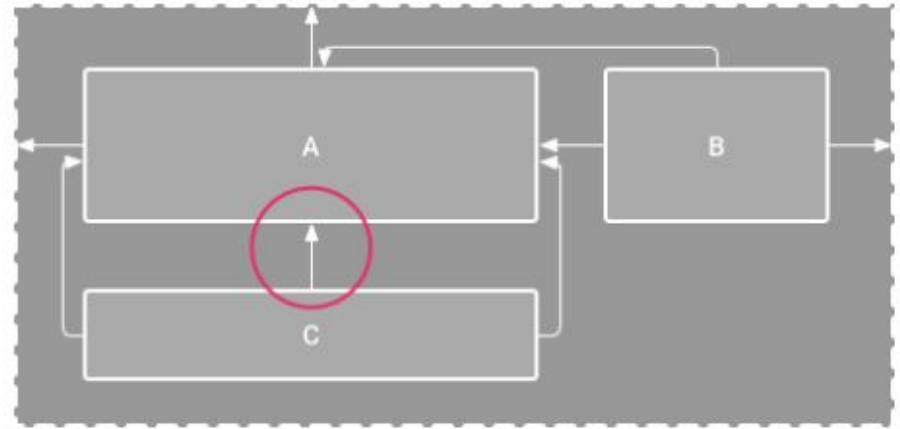
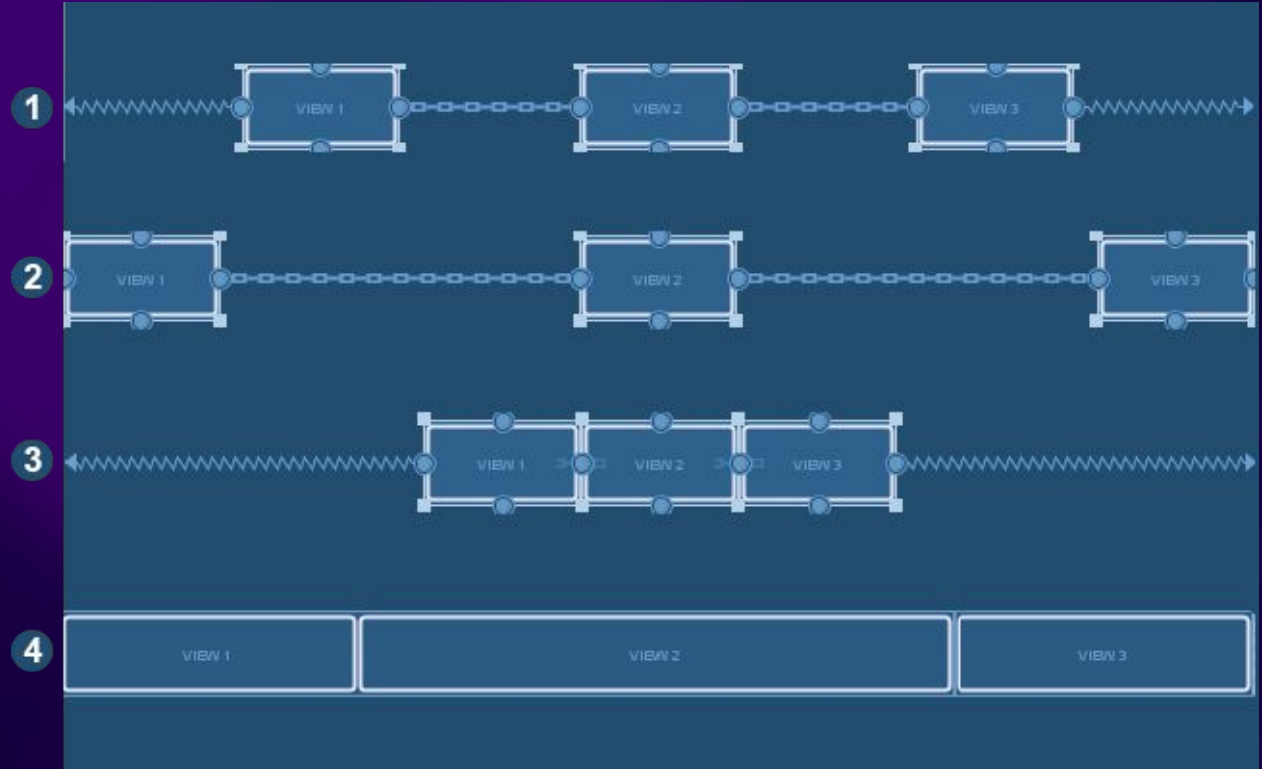


Figure 2. View C is now vertically constrained below view A.

Chains

1- Spread



2- Spread inside

3- Packed

4- Weighted