2.3 Table, Grid, and Frame layouts

TableLayout

The TableLayout is a ViewGroup that arranges child Views in a table with rows and columns.

TableRow

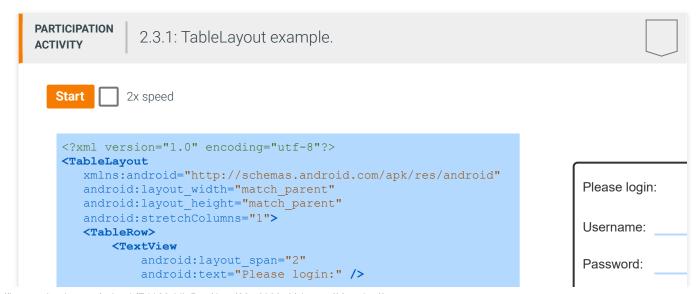
Each table row is defined by a TableRow object, and each View in the TableRow forms a single table cell.

layout_span

A cell may span more than one column when the View uses the layout_span parameter to indicate the number of columns to span.

layout_column

Cells may be left empty using the layout_column parameter to indicate the View's starting column, skipping columns to the left.

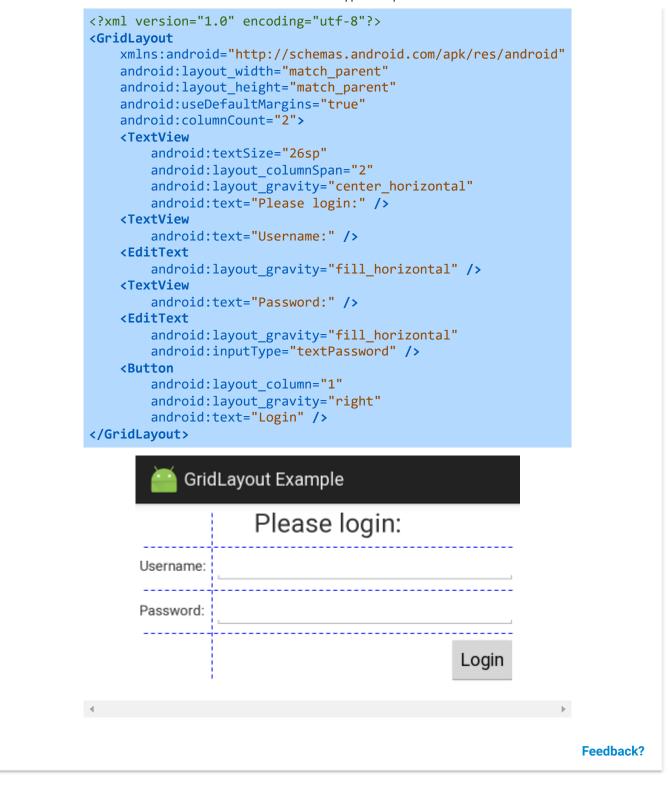


```
</TableRow>
       <TableRow>
           <TextView android:text="Username:" />
       </TableRow>
       <TableRow>
           <TextView android:text="Password:" />
           <EditText android:inputType="textPassword" />
       <TableRow>
               android:layout column="1"
               android:text="Login" />
       </TableRow>
    </TableLayout>
Captions ^
   1. A TableLayout contains 4 TableRows that define the contents of each row.
   2. Two Views exist in the second and third rows, so the table will have two columns.
   3. The first row has a TextView that spans 2 columns.
   4. The next two rows have a TextView in the first column and an EditText in the second
     column.
   5. The last row has a single Button that begins in column 1.
                                                                                  Feedback?
```

GridLayout

The GridLayout is a ViewGroup that arranges child Views in a grid. By default, each child View occupies a single grid cell.

Figure 2.3.1: GridLayout example with two columns.



FrameLayout

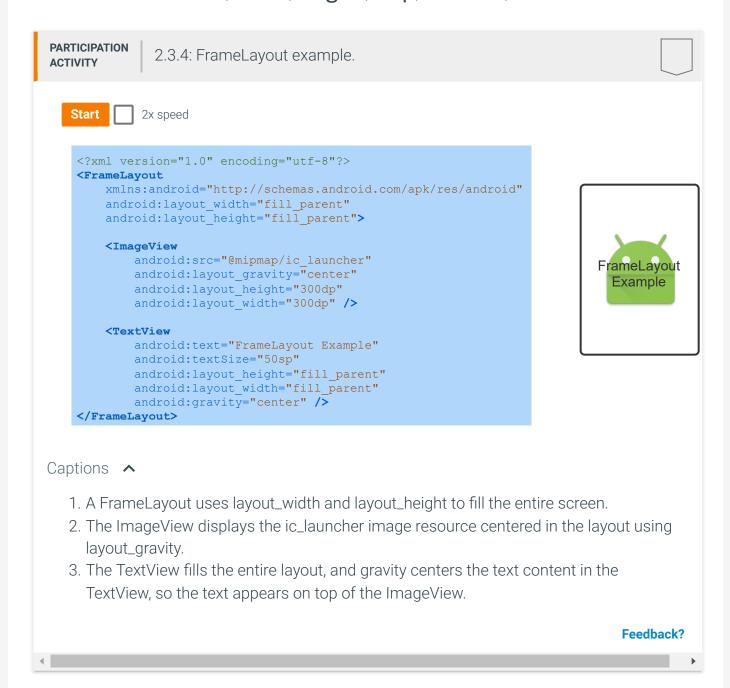
A FrameLayout is a ViewGroup that displays a single View or overlays multiple Views.

layout_gravity

The layout_gravity parameter aligns the View within the layout using constants like **center**, **left**, **right**, **top**, **bottom**, etc.

gravity

The gravity parameter aligns the content within the View using values like **center**, **left**, **right**, **top**, **bottom**, etc.



This section does not contain presentation elements.

How was this section?





Provide feedback