**[Homework#4](https://bb-csuohio.blackboard.com/webapps/assignment/uploadAssignment?content_id=_6362372_1&course_id=_168060_1&group_id=&mode=view)**

Create an app that showcases different types of layouts:

* In the main activity, add three buttons
* Button-1: on click, it should start another activity with a linear layout as shown
* Button-2: on click, it should start another activity with a table layout as shown
* Button-3: on click, it should start another activity with a relative layout as shown

Solution:

Here, in first page linear layout is viewed by default, button2 and button3 are linked to table layout and relative layout respectively which can be viewed on click on those buttons.

Code for linear layout text,

<TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="10dp"  
 android:text="Text 3"  
 app:layout\_constraintStart\_toStartOf="parent" />

Code for adding buttons, similarly done for other 2 buttons as well,

<LinearLayout  
 android:layout\_width="match\_parent"  
 android:layout\_height="wrap\_content">  
  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="match\_parent"  
 android:text="Button 1"  
 android:layout\_margin="8dp" />

Code for table layout:

Here, I have tried to create a login page in table form, and below code represents for name and have done the same for password.

<TableRow>  
  
 <TextView  
 android:id="@+id/textView3"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_marginTop="16dp"  
 android:text="User Name:" />  
  
 <EditText  
 android:id="@+id/editTextTextPersonName"  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_alignParentEnd="true"  
 android:ems="6"  
 android:layout\_marginTop="16dp"  
 android:layout\_toRightOf="@+id/textView3"  
 android:inputType="textPersonName" />  
</TableRow>

Code for relative layout:

<TextView  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:id="@+id/textViewComments"  
 android:text="Comments"/>  
  
 <EditText  
 android:id="@+id/editTextTextMultiLine"  
 android:layout\_width="match\_parent"  
 android:layout\_height="150dp"  
 android:ems="10"  
 android:gravity="start|top"  
 android:layout\_below="@+id/textViewComments"  
 android:inputType="textMultiLine" />  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editTextTextMultiLine"  
 android:text="CANCEL"/>  
 <Button  
 android:layout\_width="wrap\_content"  
 android:layout\_height="wrap\_content"  
 android:layout\_below="@id/editTextTextMultiLine"  
 android:layout\_alignParentEnd="true"  
 android:text="SAVE"/>

Screenshots:

A screen shot of a cell phone

Description automatically generated A screenshot of a cell phone

Description automatically generated A screen shot of a cell phone

Description automatically generated