

LinearLayout

ChetanSinghNegi/CSE (Chet) Android Basics: User Interface Android Visualizer Guest list layout Android Visualizer Android Visualizer


labs.udacity.com/android-visualizer/#/android/linear-layout

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XML Layout Code

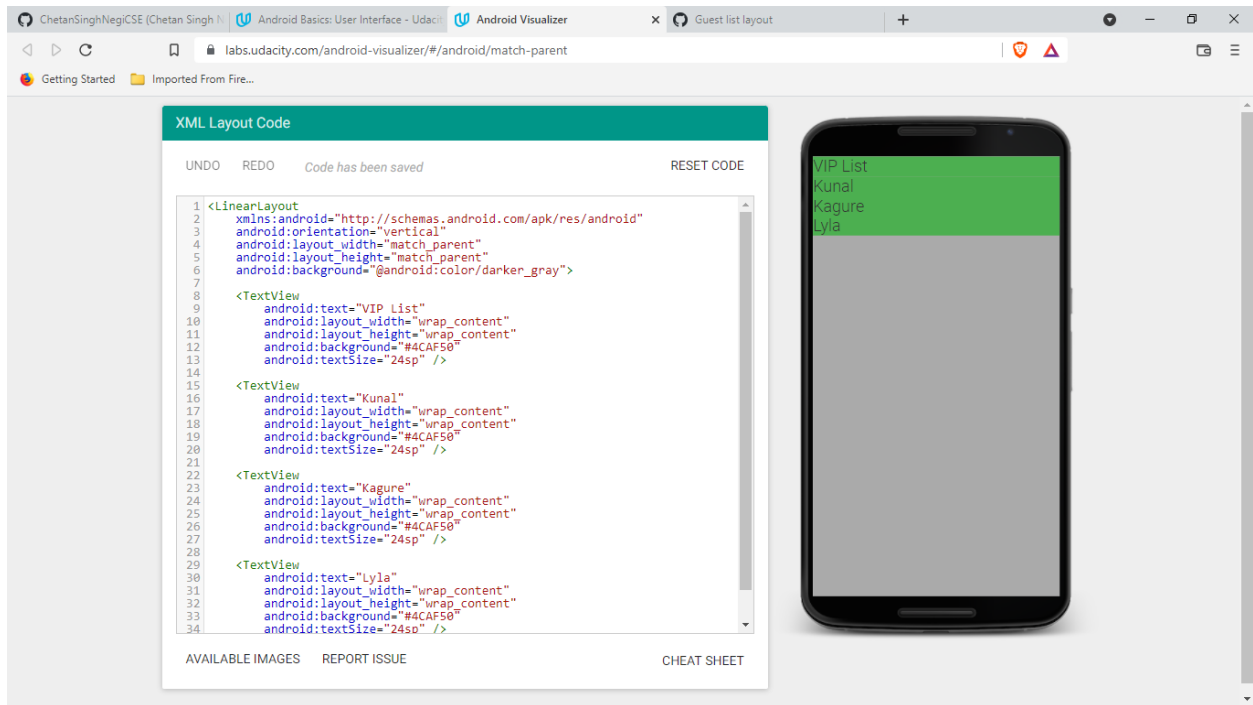
UNDO REDO Code has been saved RESET CODE

```
1 <LinearLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:orientation="vertical"
4   android:layout_width="wrap_content"
5   android:layout_height="wrap_content">
6
7   <TextView
8     android:text="Guest List"
9     android:layout_width="wrap_content"
10    android:layout_height="wrap_content"
11    android:textSize="24sp" />
12
13   <TextView
14     android:text="Kunal"
15     android:layout_width="wrap_content"
16     android:layout_height="wrap_content"
17     android:textSize="24sp" />
18
19 </LinearLayout>
```



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Width and Height



Evenly Spacing Out Children Views

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XML Layout Code

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```
1 <LinearLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:orientation="horizontal"
4   android:layout_width="wrap_content"
5   android:layout_height="wrap_content">
6
7   <TextView
8     android:text="Tom"
9     android:layout_width="wrap_content"
10    android:layout_height="wrap_content"
11    android:textSize="24sp" />
12
13   <TextView
14     android:text="Tim"
15     android:layout_width="wrap_content"
16     android:layout_height="wrap_content"
17     android:textSize="24sp" />
18
19   <TextView
20     android:text="Todd"
21     android:layout_width="wrap_content"
22     android:layout_height="wrap_content"
23     android:textSize="24sp" />
24
25 </LinearLayout>
```



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Layout Weight

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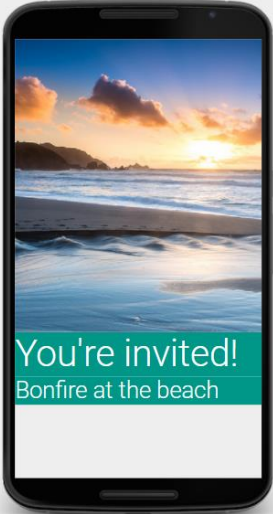
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XML Layout Code

UNDO REDO Code has been saved RESET CODE

```
1 <LinearLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:orientation="vertical"
4   android:layout_width="match_parent"
5   android:layout_height="match_parent">
6
7   <ImageView
8     android:src="@drawable/ocean"
9     android:layout_width="wrap_content"
10    android:layout_height="wrap_content"
11    android:scaleType="centerCrop" />
12
13   <TextView
14     android:text="You're invited!"
15     android:layout_width="wrap_content"
16     android:layout_height="wrap_content"
17     android:textColor="@android:color/white"
18     android:textSize="54sp"
19     android:background="#009688" />
20
21   <TextView
22     android:text="Bonfire at the beach"
23     android:layout_width="wrap_content"
24     android:layout_height="wrap_content"
25     android:textColor="@android:color/white"
26     android:textSize="34sp"
27     android:background="#009688" />
28
29 </LinearLayout>
```

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Relative Layout

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Android Visualizer

RelativeLayout.LayoutParams | Andro...

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XML Layout Code

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```
1 <RelativeLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent">
5
6   <TextView
7     android:layout_width="wrap_content"
8     android:layout_height="wrap_content"
9     android:layout_alignParentRight="true"
10    android:layout_alignParentTop="true"
11    android:textAppearance="?android:textAppearanceLarge"
12    android:text="Happy" />
13
14   <TextView
15     android:layout_width="wrap_content"
16     android:layout_height="wrap_content"
17     android:layout_alignParentBottom="true"
18     android:layout_alignParentLeft="true"
19     android:textAppearance="?android:textAppearanceLarge"
20     android:text="Birthday" />
21
22   <TextView
23     android:layout_width="wrap_content"
24     android:layout_height="wrap_content"
25     android:textAppearance="?android:textAppearanceLarge"
26     android:text="To You" />
27
28 </RelativeLayout>
```

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Relative to Other Views

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XML Layout Code

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```
1 <RelativeLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent">
5
6   <TextView
7     android:id="@+id/lyla_text_view"
8     android:layout_width="wrap_content"
9     android:layout_height="wrap_content"
10    android:layout_alignParentBottom="true"
11    android:layout_alignParentLeft="true"
12    android:textSize="24sp"
13    android:text="Lyla" />
14
15   <TextView
16     android:id="@+id/me_text_view"
17     android:layout_width="wrap_content"
18     android:layout_height="wrap_content"
19     android:layout_alignParentBottom="true"
20     android:layout_toRightOf="@id/lyla_text_view"
21     android:textSize="24sp"
22     android:text="Me" />
23
24   <TextView
25     android:id="@+id/natalie_text_view"
26     android:layout_width="wrap_content"
27     android:layout_height="wrap_content"
28     android:textSize="24sp"
29     android:text="Natalie" />
30
31   <TextView
32     android:id="@+id/jennie_text_view"
33     android:layout_width="wrap_content"
34     android:layout_height="wrap_content"
```

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List Item with RelativeLayout

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XML Layout Code

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```
1 <LinearLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent"
5   android:orientation="vertical" >
6
7   <ImageView
8     android:layout_width="56dp"
9     android:layout_height="56dp"
10    android:scaleType="centerCrop"
11    android:src="@drawable/ocean" />
12
13   <TextView
14     android:layout_width="wrap_content"
15     android:layout_height="wrap_content"
16     android:text="Pebble Beach"
17     android:textAppearance="?android:textAppearanceMedium" />
18
19   <TextView
20     android:layout_width="wrap_content"
21     android:layout_height="wrap_content"
22     android:text="California"
23     android:textAppearance="?android:textAppearanceSmall" />
24
25   <TextView
26     android:layout_width="wrap_content"
27     android:layout_height="wrap_content"
28     android:text="10 miles away"
29     android:textAppearance="?android:textAppearanceSmall" />
30
31 </LinearLayout>
```

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Padding vs. Margin

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XML Layout Code

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```
1 <LinearLayout
2   xmlns:android="http://schemas.android.com/apk/res/android"
3   android:layout_width="match_parent"
4   android:layout_height="match_parent"
5   android:paddingLeft="16dp"
6   android:paddingRight="16dp"
7   android:paddingTop="16dp"
8   android:paddingBottom="16dp"
9   android:orientation="vertical">
10
11   <ImageView
12     android:src="@drawable/ocean"
13     android:layout_width="match_parent"
14     android:layout_height="0dp"
15     android:layout_weight="1"
16     android:scaleType="centerCrop"
17     android:layout_marginBottom="8dp" />
18
19   <TextView
20     android:text="You're invited!"
21     android:layout_width="match_parent"
22     android:layout_height="wrap_content"
23     android:textColor="@android:color/white"
24     android:textSize="45sp"
25     android:background="#009688" />
26
27   <TextView
28     android:text="Bonfire at the beach"
29     android:layout_width="match_parent"
30     android:layout_height="wrap_content"
31     android:textColor="@android:color/white"
32     android:textSize="24sp"
33     android:background="#009688" />
34
```

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