

Android - IV. előadás

Miről lesz ma szó?

- ▶ További Layoutok
- ▶ Widgetek
- ▶ View-k használata
- ▶ Lokalizáció

Rajzolás példa 2.

```
<RelativeLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent" android:layout_height="match_parent">

    <LinearLayout
        android:orientation="horizontal"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_centerVertical="true"
        android:layout_centerHorizontal="true"
        android:id="@+id/linearLayout">

        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="2"
            android:id="@+id/button2" />

        <Button
            android:layout_width="wrap_content"
            android:layout_height="wrap_content"
            android:text="3"
            android:id="@+id/button3" />

    </LinearLayout>

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="4"
        android:id="@+id/button4"
        android:layout_above="@+id/linearLayout"
        android:layout_centerHorizontal="true" />

    <Button
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="1"
        android:id="@+id/button1"
        android:layout_above="@+id/button4"
        android:layout_toRightOf="@+id/button4"
        android:layout_toEndOf="@+id/button4" />

</RelativeLayout>
```

Még azért van pár layout

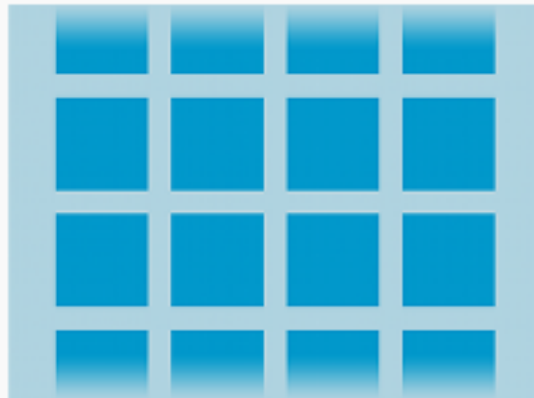
► Például a ListView, GridView, WebView, ScrollView

List View



Displays a scrolling single column list.

Grid View



Displays a scrolling grid of columns and rows.

Web View



Displays web pages.

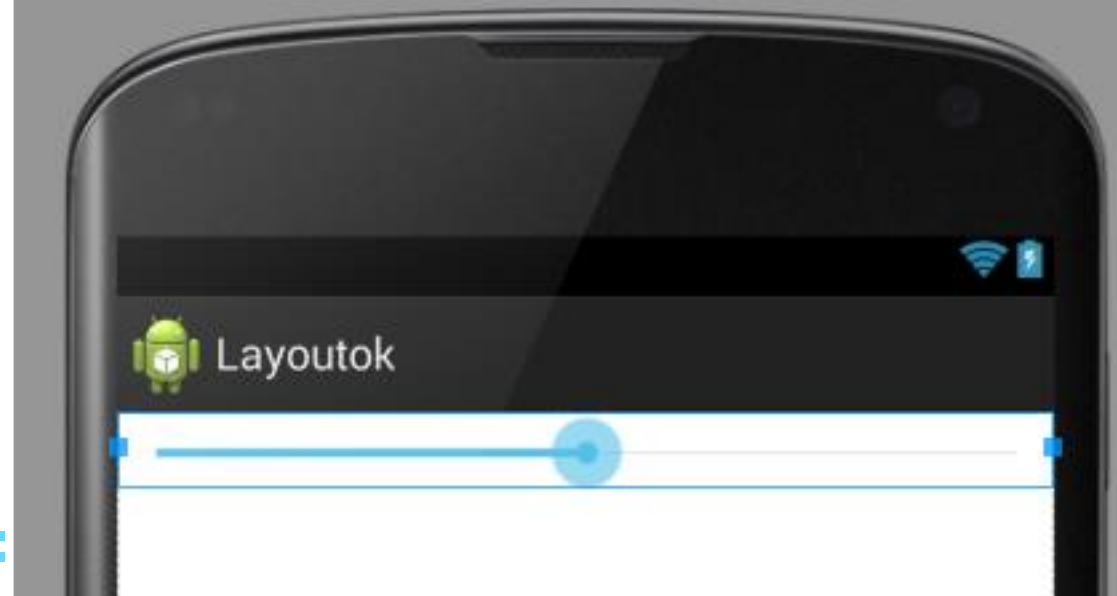
Widgetek

- ▶ Mik azok a widgetek?
- ▶ Ismertek widgeteket?
- ▶ Mi különbözteti meg őket egy egyszerű View-tól?
- ▶ Androidos elnevezések, yay!

Widgetek

- ▶ Button, EditText, CheckBox, RadioButton, ToggleButton
- ▶ ImageButton
- ▶ Spinner
- ▶ AutoCompleteTextView
- ▶ ~~Gallery~~
- ▶ DatePicker, TimePicker
- ▶ Seekbar

SeekBar használata példa



```
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:orientation="vertical" android:layout_width="match_parent"
    android:layout_height="match_parent">

    <SeekBar
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:id="@+id/seekBar"
        android:max="100"
        android:progress="50" />

</LinearLayout>
```

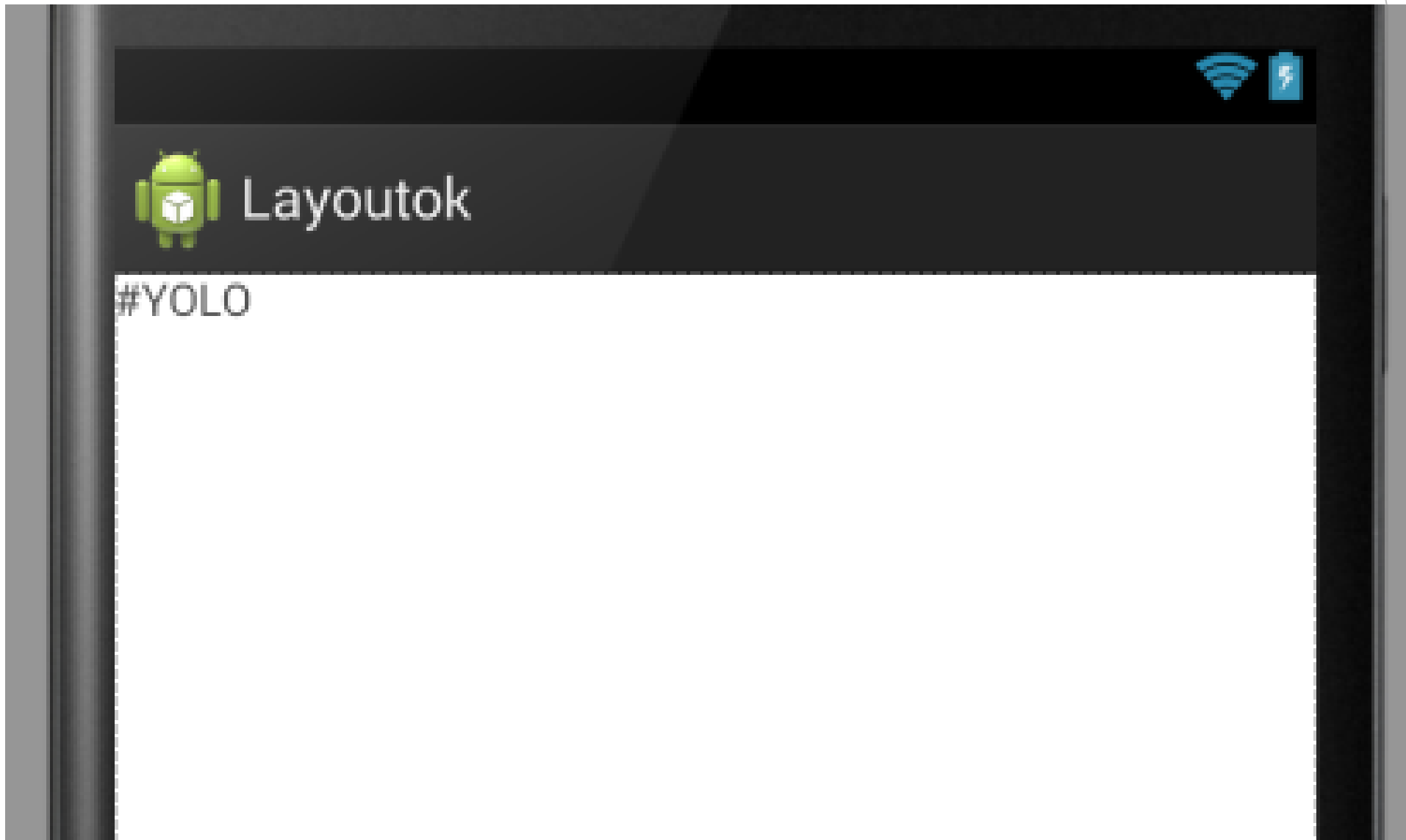
Mindez JAVA kódban

```
SeekBar mSeekBar = (SeekBar) findViewById(R.id.seekBar);  
mSeekBar.setMax(200);  
mSeekBar.setProgress(45);  
LinearLayout.LayoutParams params = new LinearLayout.LayoutParams(  
    ViewGroup.LayoutParams.MATCH_PARENT,  
    ViewGroup.LayoutParams.WRAP_CONTENT  
);  
mSeekBar.setLayoutParams(params);
```


Rajzolás példa 3.

```
public class AsdActivity extends Activity {  
  
    @Override  
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        TextView t = new TextView(this);  
        t.setText("#YOLO");  
        setContentView(t);  
    }  
}
```

Megoldás



Rajzolás példa 4.

```
public class AsdActivity extends Activity {
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {
```

```
    super.onCreate(savedInstanceState);
```

```
    LinearLayout layout = new LinearLayout(this);
```

```
    LinearLayout.LayoutParams params = new LinearLayout.LayoutParams(
```

```
        ViewGroup.LayoutParams.WRAP_CONTENT,
```

```
        ViewGroup.LayoutParams.WRAP_CONTENT
```

```
    );
```

```
    params.gravity = Gravity.CENTER;
```

```
    TextView t = new TextView(this);
```

```
    t.setText("Hova kerültem?");
```

```
    t.setLayoutParams(params);
```

```
    layout.addView(t);
```

```
    params.width = ViewGroup.LayoutParams.MATCH_PARENT;
```

```
    params.height = 0;
```

```
    params.weight = 1f;
```

```
    TextView t2 = new TextView(this);
```

```
    t.setText("Ha ezt kitalálom, megvan a kettes!");
```

```
    layout.addView(t2);
```

```
    setContentView(layout);
```

```
}
```

Megoldás



Lokalizáció

The diagram illustrates the process of localizing an Android application. It shows two side-by-side Android Studio interface elements, both titled "Layoutok" (Layouts) with an Android robot icon.

The left element shows a UI form with Hungarian text:

- Adatok megadása
- Vezetéknév
- Keresztnév
- OK

The right element shows the same UI form with English text:

- Fill your data
- Last name
- First name
- OK

Below the right element, a file explorer shows the "values" folder containing the following files:

- dimens.xml
- strings.xml
- styles.xml

Below the "values" folder, the "values-hu" folder is shown, containing a "strings.xml" file with a Hungarian flag icon, indicating the localized resource.

Ennyit mára.

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