

A custom view

```

public class CustomView extends View {
    → public CustomView (Context context, AttributeSet attrs) {
        super(context, attrs);
        ...
    }

    public CustomView(Context context) {
        this(context, null);
    }

    @Override
    protected void onDraw(Canvas canvas) {
        int w = this.getWidth(), h = this.getHeight();
        ...
        canvas.drawCircle(cx, cy, radius, paint);
    }

    ...
}

```

The layout file, XML mode

```

<RelativeLayout
    ...>

    <TextView
        .../>

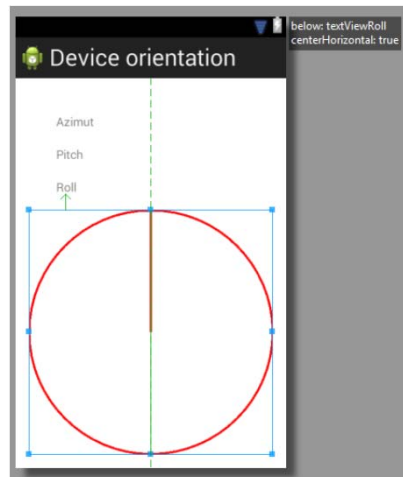
    ...

    → <se.kth.anderslm.myapplication.CustomView
        android:id="@+id/customView"
        android:layout_width="fill_parent"
        android:layout_height="fill_parent"
        android:layout_below="@+id/textView1"
        android:layout_centerHorizontal="true"
        android:layout_marginTop="17dp" />

</RelativeLayout>

```

The layout file, WYSIWYG mode



The corresponding Activity

```
public class MainActivity extends Activity {

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);

        theTextView1 = (TextView)
        findViewById(R.id.textView1);
        ...
        → customView = (CustomView)
        findViewById(R.id.customView);
        ...
    }
}
```