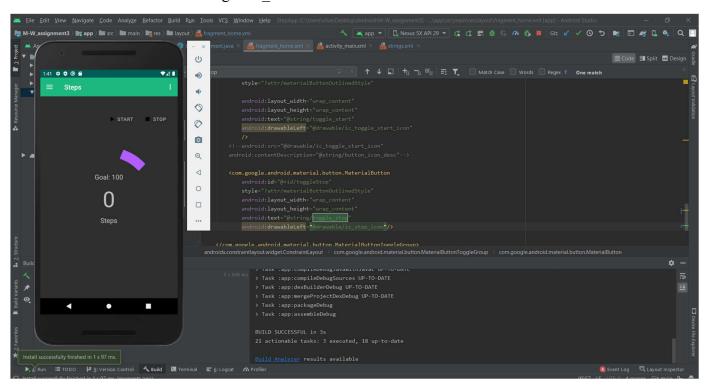
## Assignment01 Mobile&Wearable computing

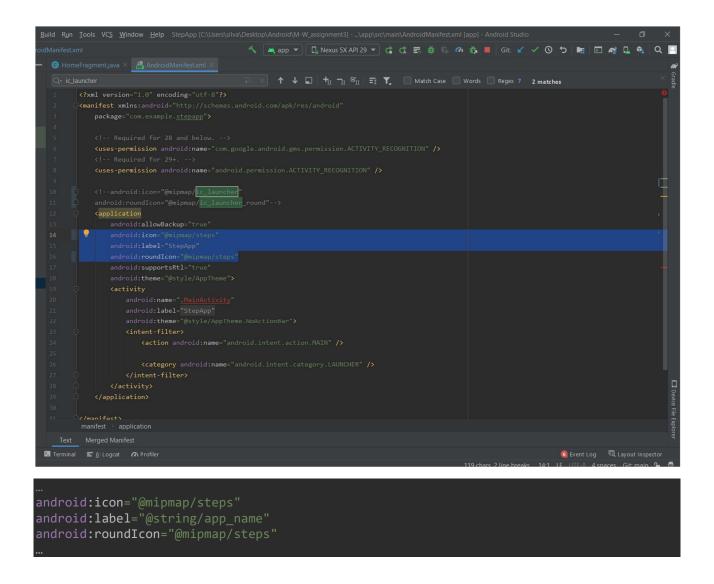
## Edoardo Silva Assignment01

https://github.com/NanolathingStuff/M-W\_assignment3.git gh repo clone NanolathingStuff/M-W\_assignment3

Added icons left to buttons in fragment home.xml



...
android:drawableLeft="@drawable/ic\_toggle\_start\_icon"
...
android:drawableLeft="@drawable/ic\_stop\_icon"/>
...
...



countSteps() that counts the number of steps from the Android STEP DETECTOR

```
// Android step detector
int mAndroidStepCount = 0;

// TextView

TextView stepsCountTextView;

// DONE 18

public StepCounterListener(TextView tv) { stepsCountTextView = tv; }

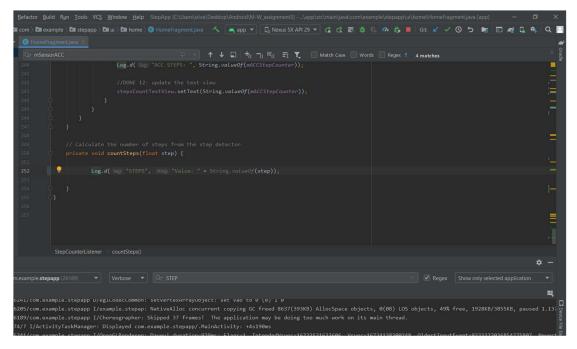
// instance of the sensor manager for the step detector
```

```
// instance of the sensor manager for the step detector

// DONE in
// instantiate the StepCounterListener
//listener = new StepCounterListener();
listener = new StepCounterListener(stepsCountTextView);

// Toggle group button
```

```
TextView stepsCountTextView;
public StepCounterListener(TextView tv){
    stepsCountTextView = tv;
listener = new StepCounterListener(stepsCountTextView);
case Sensor.TYPE_STEP_DETECTOR:
        countSteps(steps);
private void countSteps(float step) {
        Log.d("STEPS", "Value: " + String.valueOf(step));
for (int i = 0; i < dataPointList.size(); i++) {</pre>
    if (i == 0) {
    else if (i < dataPointList.size() - 1) {</pre>
        forwardSlope = dataPointList.get(i + 1) - dataPointList.get(i);
        downwardSlope = dataPointList.get(i)- dataPointList.get(i - 1);
        if (forwardSlope < 0 && downwardSlope > 0 && dataPointList.get(i) >
stepThreshold ) {
            mACCStepCounter += 1;
            Log.d("ACC STEPS: ", String.valueOf(mACCStepCounter));
```



## Update the Circular Progress Bar with the number of steps

```
un | Jools VCS | Window | Help | StepApp | CAUSerstsNaviDesktop\Androidt\mathcal{N-W_assignment3} - Lapp\sixc\main\java\com\example\stepapp\pu\home\home\homefragmentjava | app | Description | Descr
```

stepsCountTextView.setText(String.valueOf(mACCStepCounter));

Proof it's working

