

Lab 5

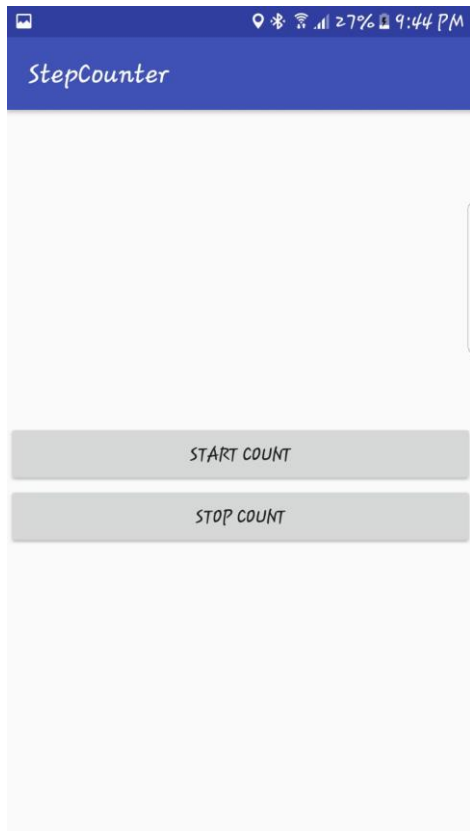
Step Counter

Description: It's an app that counts steps.

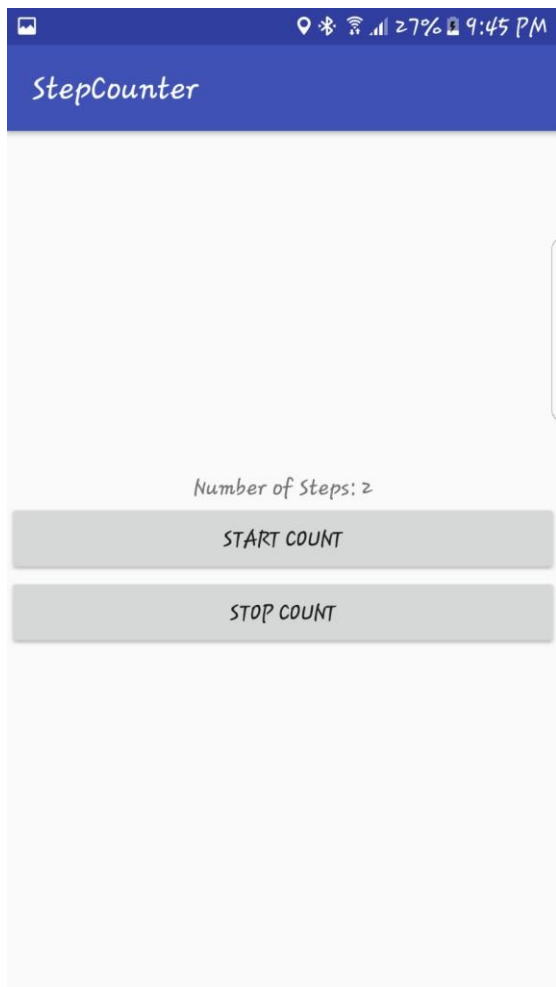
Detailed explanation with screenshots:

Screenshots of the pages are shown below:

Home page:



Upon starting the app and taking 2 steps:



After taking few more steps:



Code:

```
// TODO: 1. Get an instance of the SensorManager and assign it to the variable 'sensorManager'
sensorManager = (SensorManager) getSystemService(SENSOR_SERVICE);
sensor = sensorManager.getDefaultSensor(Sensor.TYPE_ACCELEROMETER);
//Also get an instance of appropriate sensor and assign it the variable 'sensor'
//TODO: 2. Create an instance of StepDetector & assign it to variable 'simpleStepDetector' and register a listener on it
simpleStepDetector = new StepDetector();
simpleStepDetector.registerListener(this);
//TODO: 3. Get the views from the activity_main.xml and assign to variables 'TvSteps', 'BtnStart', 'BtnStop' variables suitably
TvSteps = (TextView) findViewById(R.id.tv_steps);
BtnStart = (Button) findViewById(R.id.btn_start);
BtnStop = (Button) findViewById(R.id.btn_stop);
```

Facial Features Recognizer

Description: It's an app that recognizes eyes and smile

Detailed explanation with screenshots:

Screenshots of the pages are shown below:

