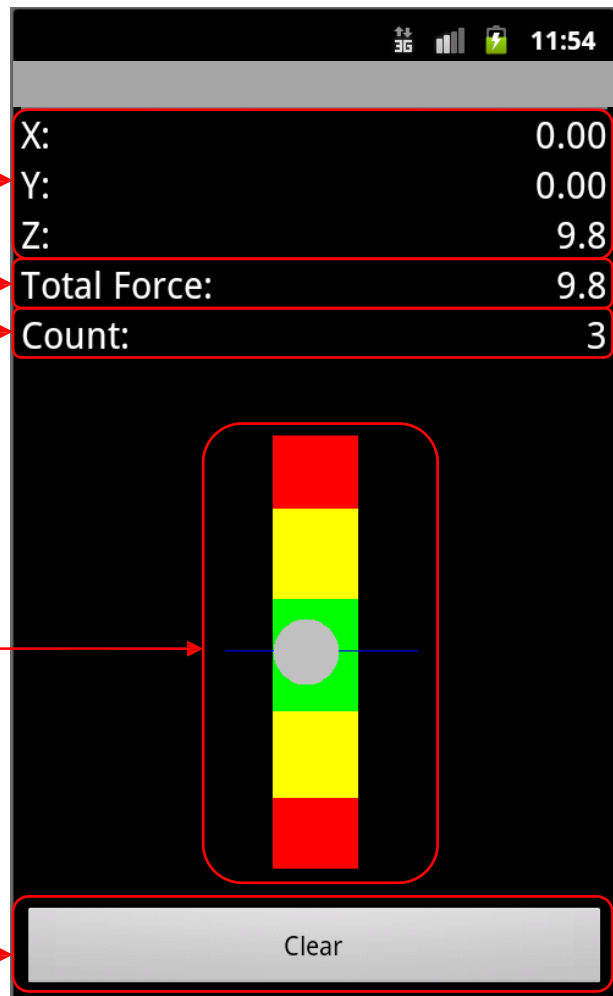# Pedometer

Deadline: 04/11/2019 - 23:59:59

In this homework, you need to create an app "Pedometer".

Here is the UI spec.

1. Display for accelerometer readings of each axis

2. Display for total force acting on the phone

3. Display for the number of the step have been walked

4. A 2D drawing for showing is there any vibration happen.

5. A button for clear the value of step

Hint:

1. Total force = square root($x^2+y^2+z^2$)
2. A step will provide an addition force to the phone
3. You may need to add some filter or logic to make the "count" value display accurately
4. The ball should only move vertically up and down, representing the force

Self-verification:

1. This is a pedometer application, the "count" will record how many steps the user had walked. Please verify your application by doing a normal jogging and see if the "count" display the correct value.

Hand-in method:

Pack the android (java) project with the answer of the question(above) into one single zip file, upload the file to Google Drive, then send it as a Drive attachment . The email is eesm5060ust@gmail.com.

This work can be hand-in group of two. (Please write down student name and IDs in the email)

There will be no notification for receiving your work. If there is no bounce-back email or non-

delivery report returned, it is assumed your work sent successfully.

For the email title, please use "[EESM5060_2019] Assignment 2"