ECE155: Engineering Design with Embedded Systems Spring 2014

Lab 1 (Reading Sensors & The Android API) — Assessment

Prepared by Kirill Morozov *version 1.1*

You are responsible for conforming to "University of Waterloo Policy 71: Student Academic Discipline." Students complete Part I of this form. The TA conducting the demo completes the rest after the demo. We are entering marks based on this form, so if no form exists, you get no marks.

Part I: Student Comments

The design (check one of the following):

- ☐ Does not incorporate others' work with the exception of the university-provided materials.
- ☐ Incorporates the work of others as indicated in the notes below.

By signing below, I confirm that we wrote the submitted lab code and that it has not been previously submitted for academic credit at this or any other academic institution, except as noted below.

	Student Name	UW Student ID #	Signature
Student 1			
Student 2			
Student 3			

Notes:

Part II: Demonstration Checklist

Software Design Checklist (1 marks for each checklist item satisfied)

- ☐ Solution was committed to SVN and compiles without errors
  (This item is mandatory; you get a 0 for broken or uncommitted solutions.)
- ☐ Output labels obviously correspond to appropriate sensors.
- ☐ Light sensor output is correct.
- ☐ App displays all axes of the magnetic field sensor, along with maximum absolute values reached during a run.
- ☐ App displays all axes of accelerometer are displayed, along with maximum absolute values reached during a run.
- ☐ App displays all axes of the rotation sensor, along with maximum absolute values reached during a run.
- ☐ App uses the LineGraphView (or your own comparable alternative) to display accelerometer values.
- ☐ User can scroll the screen to access all output data (0.5pt)
- ☐ Use can reset the maximum recorded values (0.5pt)
- ☐☐ The design and implementation follow good engineering design. Examples: not over-using global variables, avoiding unnecessary code duplication, and giving variables descriptive names. This checklist item is worth 1 mark.

Part III: TA Comments

Lab #:

Group #:

Date and Time:

TA Name:

Signature:

Mark:

Notes: