ECE155: Engineering Design with Embedded Systems	Winter 2013
Lab 3 (Dead Reckoning) — Assessment	
Prepared by Kirill Morozov	version 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 Part II and Part III after performing the demo. We are entering marks based on this form, so if no form exists, you get no marks.

Part I: Student Comments

Student 3

Fart 1: Student Comments					
The design	(check one of the following):				
□ Does i	not incorporate others' work (ex	scept materials provided by	the university).		
□ Incorp	porates the work of others as inc	dicated in the notes below.			
	d that by signing below, I confireviously submitted for academic ove.				
Lab #:					
Group #:					
Date and	Time:				
TA Name:					
TA Signat	ure:				
Mark:					
	Student Name	UW Userid	Signature		
Student 1					
Student 2					

Part II: Demonstration Checklist

Software Design Checklist (0.5 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.)
	The number of steps your application has counted in two orthogonal directions is clearly displayed.
	There is a way inside the application to reset the step counter.
	walking due-north counts steps only in the north direction.
	Your error rate, both false positives and false negatives, is less than once in every three steps $(33\% \text{ error})$.
	Your error rate, both false positives and false negatives, is less than once in every ten steps $(10\% \text{ error})$
	The design and implementation follow good engineering design. Examples: not over-using global variables, avoiding unnecessary code duplication, and giving variables descriptive names.
Bon	us
	You have computed linear acceleration for the device independent of rotation and can explain how it works.

Part III: Trial Data

Raw Trial Data

	Trial 1	Trial 2	Trial 3
Steps Taken			
Steps Counted			

Notes: