Android Assignment
Due: February 12th 2014 Wednesday

On the client (android device)
1. Write an application to collect sensor data continuously from accelerometer and GPS and log this locally.
2. Upon user input, upload this data to a server with user-inputted IP address and port for the server.

On the server (laptop)
1. Keep a socket server running, collect and store locally the uploaded data from client.
2. Write a simple program to detect when the user is moving or not moving from the accelerometer readings.
3. Plot the user state (moving/non-moving) versus time, and location (done offline).

Note: Students may discuss the assignment and seek help from any other student in the class, but must code this introductory assignment on their own.