**Weekly Progress Report**

Project Title: 4Sole

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Name: Washington Garcia

Date: March 27, 2017

**Summary of your activities in the past week (4 points):**

Describe your (i) progress on tasks, (ii) tasks completed, (iii) demo of completed task, (iv) open challenges.

This week I completed the switch to GATT for our Bluetooth control scheme, and tested the microcontroller with the motor drivers and pressure sensors connected. I tested the Bluetooth serial communication using just the Arduino serial monitor, as well as the communication over Bluetooth through the phone application’s programming. I determined that certain messages we sent were too long, and had to shorten it in the Arduino code. I must simplify one of the functions that I took from the DFRobot sample code, as it is needlessly long.

**Tasks planned for this week (1 point):**

This week I must finish debugging the GATT Bluetooth. Although most of the functionality is implemented, I have yet to fix some of the more crucial bugs that affect usability. I also must clean up the navigation of the app, as currently it requires too many button presses to reach the main points of operation.

**Cumulative list of completed tasks:**

|  |  |
| --- | --- |
| **Task** | **Completion Date** |
| Test Micro with motor drivers and pressure sensors | 3/22/17 |
| Android Bluetooth Service swap to GATT | 3/19/17 |
| DFRobot/4Sole app & connectivity fixes | 3/19/17 |
| Change deviceList pop up to only BLE devices | 3/10/17 |
| Let ImgButton initiate scan and auto refresh stop scan on close | 3/10/17 |
| Fix “Scan” functionality to be more user friendly or eliminate completely | 3/13/17 |
| Foot Sole Motor Driver Working Prototype | 2/22/2017 |
| DFRobot BLE Controller Testing | 2/19/2017 |
| Android App Requirements/Dependencies (Map) | 2/5/2017 |
| Map Activity Assets | 2/5/2017 |
| Pressure Sensor implementation to foot sole | 1/28/2017 |

**NOTE:**

1. **Individual weekly progress reports must be submitted in the class**
2. **Only typed and printed reports are accepted**
3. **Entire team should review individual member reports and provide constructive feedback**