**Weekly Progress Report**

Project Title: 4Sole

Team Members:

Jullissa Moreno, Armaghan Mehrsa. David Megrieta, Washington Garcia

Name:

Washington Garcia

Date: February 13, 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 tested the DFRobot BLE Bluno Microcontroller which will be used in our final prototype. Since this microcontroller uses a different connection scheme than our original Bluetooth module, I was only able to test it with the sample programs provided by DFRobot. However, the microcontroller was able to pair with my Android phone and I was able to send and receive Bluetooth messages. Since this microcontroller uses a different connection scheme, I have to learn how the Android API implements it before I can start developing.

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

This week I have to finish swapping the BluetoothSoleService on the Android app to use the GATT connection scheme, which is exclusive to LE Bluetooth. This wasn’t available in our old module, so I will have to rewrite certain parts of the app so the user can connect to the Sole even if it isn’t paired to the phone. Unlike our previous module, this microcontroller doesn’t require a pairing pin, so it is unlikely that the user is paired when the app is launched.

**Cumulative list of completed tasks:**

|  |  |
| --- | --- |
| **Task** | **Completion Date** |
| 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 |
| Android App Sequence Diagram (preliminary) (MainActivity) | 1/29/2017 |
| Android App Sequence Diagram (preliminary) (SplashActivity) | 1/29/2017 |
| Learn Android ADB | 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**