**Weekly Progress Report**

Project Title: 4Sole

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Name: Washington Garcia

Date: April 3, 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 helped gather sensor readings from 10 students in our class, and used the data along with their weights to create a normalized range of pressures that will correspond to colors. We split the range of pressures into 5 colors, which becomes 5 different pressure levels that the Map will display. We did the quantization on Excel and now I must implement the integration of MapActivity and ColorHelper so the foot map displays the colors instead of raw values. To get the weight of the individual, I must also implement the SplashActivity which will launch when the app is opened. This means I must create a configuration file that will save the weight so it doesn’t have to be inputted every restart.

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

This week I must complete the color mapping portion of the app and test it for several individual weights again. I must make sure the colors are calibrated per the weight of the individual, since if someone is too heavy the colors would always go to red.

**Cumulative list of completed tasks:**

|  |  |
| --- | --- |
| **Task** | **Completion Date** |
| Android Map ColorHelper & Integration (3/4 tasks) | 3/28/17 |
| 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**