

Group number: Dec1701

Project title: Catchers Pop Time System

Client &/Advisor: AccuPop / Prof. Kamal

Team Members/Role: Team Lead - Andrew Zellar, Communications - Jordan Young, Webmaster - Stefan Kraus, Key Idea Holder - Josh Wassenaar

**o Weekly Summary**

Hardware side was able to successfully implement the service to handle four different integer values for reading from the sensors. We started to see issues when adding in the accelerometer code. We have also begun documentation for passing off the project.

**o Past week accomplishments**

- Jordan Young: Helped code and test the GATT service. Started documentation for future groups.
- Andrew Zellar: Completed initial BLE implementation. Worked on bug with connecting to the accelerometer.
- Stefan Kraus: I have an emulated android portion of the app, but was unable to deploy to my android device.
- Josh Wassenaar: Got the apple ID stuff working - our developer account should be good to go. Simple connection between website and phone. Stefan suggested we change from React Native to Cordova so the code I worked on won't be used.

**o Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours Cumulative (Spring 2017)</u></b>	<b><u>Hours this week</u></b>	<b><u>Hours Cumulative (Fall 2017)</u></b>	<b><u>Total Hours</u></b>
Andrew Zellar	Working BLE implementation Worked on fixing connection to Accelerometer	70	25	40	110
Jordan Young	BT communication and project documentation	70	10	26	96
Stefan Kraus	Got a Bluetooth connection	65	9	26	91

	to the web app and a simple debugging stream.				
Josh Wassenaar	Physical Model, got apple ID stuff working	66	15	30	96

**o Comments and extended discussion**

- Invalid/expired passwords for accounts that the previous team left behind, more on this from Josh.

**o Plan for coming week**

- Andrew Zellar: Order new BLE nano and other parts for prototype. Connect and test implementation on breadboard, if that goes well build prototype.
- Jordan Young: Complete hardware code/fix adxl issue and continue documentation for final presentation and passing off project
- Stefan Kraus: Clean up the WebApp code, look into deploying the app via PhoneGap/Cordova. Define a GATT profile for the external devices to connect via the app.
- Josh Wassenaar: Get a working model set up with the gloves (assuming we get the pressure pads necessary in time). Work with cordova to make an iOS version of the app. Begin styling app.

**o Summary of weekly advisor meeting**

Two weeks ago, was our last meeting and we discussed the GATT protocol and how it would fit into the overall system as well as Android and iOS development. Professor Kamal is continuing to push us (in a good way) to finish development and start testing a prototype as soon as possible.