EE 492 WEEKLY REPORT 3   *Date: 10/04/17*

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 is continuing the setup for communication between microcontroller and app. So far we have characteristics (values for each piece of data we want to send) in a GATT service that send the value of each variable as it is updated. Meeting with Crowl was quick, mostly just informing him about what our plans were for finishing up.

o **Past week accomplishments**
- Jordan Young: Setting up the GATT service and characteristics for the microcontroller and extending the service to handle up to four different values to be sent to the phone.
- Andrew Zellar: Setting up BLE connection between the device and the phone. Worked on initial implementation and testing with dummy values and custom GATT service.
- Stefan Kraus: I have an emulated android portion of the app, but was unable to deploy to my android device.
- Josh Wassenaar: Got the gloves ordered, got a MacBook Air rented out from Iowa State. Spent time configuring the computer. Little progress on expected goals due to unexpectedly getting the MacBook.

o **Individual contributions**

NAME	Individual Contributions	Hours Cumulative (Spring 2017)	Hours this week	Hours Cumulative (Fall 2017)
Andrew Zellar	Working on BLE implementation	70	10	85
Jordan Young	Communication between	70	10	86

	microcontroller and simple app			
Stefan Kraus	Created an initial app, running in emulator. Code exists for bluetooth.	65	9	82
Josh Wassenaar	Physical Model, Begin working on app with new MacBook	66	10	81

o **Comments and extended discussion**
- Concerning the Apple Developer license: we have the account information (left from last group) and it is up to us to renew it.

o **Plan for coming week**
- Andrew Zellar: Continue hardware implementation, work on sending data from sensors.
- Jordan Young: Sending data to app, specifically increasing the size of the data sent
- Stefan Kraus: Deploy the Android UI portion of the app and get a working beta on the personal devices of the other group members. Test the bluetooth portion of the code on Android devices.
- Josh Wassenaar: Get a working model set up with the gloves (assuming we get the pressure pads necessary in time). Continue working on app. Get the apple developer license renewed.

o **Summary of weekly advisor meeting**

Two weeks ago, was our last meeting and we discussed the Apple developer license renewal (was resolved, see 'other discussion' section). He also challenged us to take the next steps in our project and try to get communication between the microcontroller and app (in progress).