

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

Continuing to work on implementing the design we laid out on both the hardware device and the mobile side of the project. On the hardware side, we are beginning to set up the communication protocol for the devices to talk with the phone.

o Past week accomplishments

- Jordan Young: Setting up the GATT service and characteristics for the microcontroller
- Andrew Zellar: Working on BLE implementation. Created documentation for the Redbear code.
- Stefan Kraus: Started work on the React Native portion of the application for Android. I looked over the code for the Bluetooth connections but I have not tested or incorporated it into the project yet. That is a high priority task right now.
- Josh Wassenaar: Emailed Lee Harper about purchasing baseball gloves. Researched some Bluetooth stuff for the phone side/found some good examples and libraries that can be used with React Native well.

o Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours Cumulative (Spring 2017)</u>	<u>Hours this week</u>	<u>Hours Cumulative (Fall 2017)</u>
Andrew Zellar	Working on BLE implementation	70	5	75
Jordan Young	GATT set up	70	6	76
Stefan Kraus	Created an initial app, running in emulator. Code exists for	65	7	73

	bluetooth.			
Josh Wassenaar	Batting gloves/Bluetooth with React Native	66	5	71

o Comments and extended discussion

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o Plan for coming week

- Andrew Zellar: Continue to work on BLE implementation, work with Jordan on GATT characteristics.
- Jordan Young: Continue hardware implementation
- 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 the batting gloves ordered. Work on bluetooth communication.

o Summary of weekly advisor meeting

We discussed details regarding our budget and order more parts as well as other equipment (like gloves) to help with the design and testing of our project. We also talked about what our plans were for hardware and software implementation.