

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**

We had a meeting with the client where we updated him on where we were including decisions to use react, to simplify the code base, and our research into using the redbear ble in place on an arduino and a bluetooth module. Connected ble device with accelerometer and more research was done on libraries we can use for the app.

**o Past week accomplishments**

- Jordan Young: Worked on using redbear libraries (ran basic tests).
- Andrew Zellar: Was able to connect hardware with accelerometer using a combination of example code from redbear, the microcontroller company, and the last groups code. Found proper libraries to work with the ADXL345. Was able to use ADXL to change value used with bluetooth.
- Stefan Kraus: Decided on frameworks and created general structure of the web application and API.
- Josh Wassenaar: Worked on getting React working on Linux. Ran into a few problems.
- All: Meeting with client

**o Pending issues**

**o Individual contributions**

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Andrew Zellar	Meetings with adviser & researched and found code	13	57

	examples for sensors		
Jordan Young	Hardware testing/familiarization	6	51
Stefan Kraus	Decided on frameworks and created general structure of the web application and API.	5	51
Josh Wassenaar	Worked on application	8	53

**o Comments and extended discussion**

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**o Plan for coming week**

- Andrew Zellar: I will attempt to interface with the other sensors as well as look into what code we can use from the previous team.
- Jordan Young: Assist Andrew with work on hardware (mostly testing).
- Stefan Kraus: Integrate Material UI and a charting library that is yet to be determined - Chart.js or C3.js are the current top options.
- Josh Wassenaar: Do some hardware tests. Work on mobile app/web app.

**o Summary of weekly advisor meeting**

This week we had a short meeting where we went over what was completed and what we were planning to do next week. We discussed our plans to finish the design document, the parts that we ordered, and getting the team website setup.