

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 began working on the hardware and doing initial setup and preparation for future experiments. Google AppEngine project was deployed with sample code.

o Past week accomplishments

- Jordan Young: Small tests with arduino to become familiar with libraries. Tested out the previous team's code with their devices. Results were varying. Continued to research bluetooth integration.
- Andrew Zellar: Started assembling the hardware, with a few hiccups along the way. Started looking into only using the redbear ble device and ditching the arduino altogether. Some tests with redbear device
- Stefan Kraus: Deployed an initialized GAE (Google AppEngine) project with sample code and rudimentary login. The site authenticates through Google / OAuth2.
- Josh Wassenaar: Continued refreshing myself with React, and familiarized myself with a react library called Material UI which we will be using to develop the application.

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 examples for sensors | 6 | 44 |

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| Jordan Young | Bluetooth integration & Hardware assembly | 5 | 45 |
| Stefan Kraus | Completed the initialization of the Google AppEngine website, continued building a component base for use with the website | 5 | 46 |
| Josh Wassenaar | Design document, meeting with adviser | 6 | 45 |

o Comments and extended discussion

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o Plan for coming week

- Andrew Zellar: Continue working on hardware have all parts connected for testing.
- Jordan Young: Assist Andrew with work on hardware (assembling and 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. Get a rough design created for the application, including the flow of the app and some general functional logic.

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.