

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

This week our team was able to meet to work on the hardware side of things. We tested the redbear's compatibility with three different sensors. We also came up with a few ideas of how to incorporate each type of sensor or how we could use multiple types of sensors.

o Past week accomplishments

- Jordan Young: Helped test redbear ble with accelerometer, pressure sensor, and flex band. Made updates to the website.
- Andrew Zellar: Was able to make to connect pressure sensor and flex band with redbear. Worked on more experiments and made plans for experiments.
- Stefan Kraus: Finalized the structure of the API, started research on UI and UX for the app and made a mockup of the screens of the application.
- Josh Wassenaar: Tested the hardware for the pressure sensor.

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	8	65
Jordan Young	Hardware testing & Website	10	61
Stefan Kraus	Finalized the structure of the API, started research on UI and UX for the app and made a mockup of	7	58

	the screens of the application.		
Josh Wassenaar	Worked on hardware testing for the pressure sensor.	5	58

o Comments and extended discussion

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o Plan for coming week

- Andrew Zellar: Continue working with hardware and begin documentation of the decisions we've made
- Jordan Young: Continue to meet to test hardware options and come up with a decision on which design to use.
- Stefan Kraus: Deploy a completed version with the API and a simple UI for the main pages of the application. Deploy UI code for the Android app to get it on my personal device.
- 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.