

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 got a good start on the project plan and will finish it this week. We discussed with our advisor the how to approach iOS development. We also got together and signed all of the necessary forms so that we may begin working on the project as soon as we get access to the repository.

o Past week accomplishments

- Jordan Young: Researching Arduino Mini, Android app programming, and going through the previous team's code
- Andrew Zellar: Began work on project plan, continued research on bluetooth 5 finding options for modules we can buy, looked into arduino
- Stefan Kraus: Filled out more documentation on our proposed solutions, created a quick example for React development.
- Josh Wassenaar: Further research in sensors to use. Worked on the project plan document.
- All: Went through past group's final project plan
- All: Came up with a time to meet as a group every week

o Pending issues

- Access to repository
- Developer license for iOS development

o Individual contributions

<u>NAME</u>	<u>Individual Contributions</u>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Andrew Zellar	Meetings with adviser and client & research on sensors and bluetooth 5	5.5	12

Jordan Young	Research & Meeting Notes	6	12
Stefan Kraus	Documentation of Alternate solutions	8	12
Josh Wassenaar	Met with adviser & research	6	12

o Comments and extended discussion

- After more research, discussion, and design, we have ruled out a few of our original ideas for alternate sensors and have better laid out the architecture for those that we think will be feasible.

o Plan for coming week

- Andrew Zellar: I plan to look into more Arduino related things specifically how we will interface with the sensors and look into how the past group did this
- Jordan Young: I plan to work on the project plan mostly and am moving my focus to seeing how the previous team was successful at integrating the hardware and software
- Stefan Kraus: I am planning on setting up a development environment for use with the React Native code. Although the actual development can be done on any of the target OSs, we still should have a way of testing the applications on each.
- Josh Wassenaar: I plan to continue working on the project plan and I want to make final decisions on which sensor(s) to use. Also need to contact the client about possibly purchasing a Mac for our app development purposes.
- All: Work on project plan v1

o Summary of weekly advisor meeting

Make sure that we are including all hours spent on the project on our weekly report. Expectation is set to do 6 or more hours a week. We summarized our meeting with the client and came up with the idea that we could use multiple sensors to increase the accuracy.