

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

Main thing was meeting with our client for the first time and hearing what his expectations were for this project and set up a plan for when we have our meetings as we move on. Aside from that the team is gearing towards the development of a project plan while also looking at ways to improve upon what the previous group was able to achieve.

o Past week accomplishments

- Jordan Young: Mini coding projects with Arduino and Android app programming
- Andrew Zellar: Set up meeting with client and worked to finish paperwork for NDA and SIPA
- Andrew Zellar: Researched bluetooth 5 and options for sensors
- Stefan Kraus: Set up a Trello board and assigned a few initial tickets
- Josh Wassenaar: Began research on possible sensors.
- 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

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	2.5	6.5
Jordan Young	Research & Meeting Notes	2	6
Stefan Kraus	Research & Workflow Organization	1.5	2
Josh Wassenaar	Met with adviser & research	2.5	4

o Comments and extended discussion

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o Plan for coming week

- Andrew Zellar: I plan to look into other accelerometers we can try and at the arduino code the previous group wrote to work with bluetooth and the accelerometer. I also plan to continue brainstorming changes and improvements we can make to the current setup.
- Jordan Young: I plan to spend more time doing small experiments with the microprocessor that I have and becoming more experienced with Android Studio.
- Stefan Kraus: I plan on looking into sound-based sensors, as well as choosing a framework and stack for the server and web/mobile platforms. I will not be able to have access to the repository until we all sign the NDA, so that task will be deferred until then.
- Josh Wassenaar: I plan to look into possibilities of using cameras along with OpenCV to track a baseball from start to finish for timing the pop-time. Also will look into other possibilities for sensors (impact and accelerometer).
- All: Work on project plan v1

o Summary of weekly advisor meeting

Determined that weekly reports be done and sent to Dr. Kamal Sunday nights/Monday morning in time for our weekly meeting. Gave him access to our groups Google Drive. He suggested that we look into other potential sensors that we could use and get started on the project plan.