

**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 edited and completed the project plan. We had a meeting with our Client where we discussed some of the solutions we have come up with, clarified the acceptance criteria, and discussed the possibility of getting a macbook air for team use to compile and test the iOS app. We also picked and ordered hardware and began set up for the software application side of our project.

**o Past week accomplishments**

- Jordan Young: Looked through the previous team's code, worked on project plan, helped order parts, and took minutes at meetings.
- Andrew Zellar: Picked a bluetooth module that is bluetooth 5 capable, helped to research and pick other hardware we will be testing, setup environment for arduino.
- Stefan Kraus: Initialized a git repository and invited the team. Started a Google App engine instance for the project and started work on initial Auth, deployment, and integration procedures. Initialized dev environment for React Native.
- Josh Wassenaar: Further research in sensors, ordered sensors. Worked on the project plan document. Checked through previous group's code for the applications. Met with client and confirmed that we can purchase a MacBook Air for developing the iOS application.
- All: Completed project plan v1

**o Pending issues**

- None

**o Individual contributions**

<b><u>NAME</u></b>	<b><u>Individual Contributions</u></b>	<b><u>Hours this week</u></b>	<b><u>HOURS cumulative</u></b>
Andrew Zellar	Meetings with adviser and client	7	19

	& research on sensors and bluetooth 5		
Jordan Young	Research & Meeting Notes	6	18
Stefan Kraus	Documentation of Alternate solutions	8	20
Josh Wassenaar	Met with adviser & research	6	18

**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 (please describe as what, who, when)**

- Andrew Zellar: I plan to start working with the hardware and familiarizing myself with what we will need to do. As well as starting work on interfaces with the sensors we hope to experiment with
- Jordan Young: I plan to work on actual code for hardware and finding a solution that could potentially increase the accuracy.
- Stefan Kraus: Get Google App Engine up and running so the other members of the team can pull from gitlab and have a working environment for the app so they can work locally or by using a deployed app.
- Josh Wassenaar: Further study the previous team's code for the application on both Android and iOS. See what their working applications look like and help make decision on how we want to move forward with that (whether it be to build new applications or to use their code). When hardware comes in start messing around and testing our stuff. Possibly run a few live tests.
- All: Put all required information on the website

**o Summary of weekly advisor meeting**

Coordinated a time to have the project plan completed so that he could look it over and give feedback before submission. Professor Kamal also gave us the instructions on how to order parts now that we are ready to experiment and test our different ideas. Get the okay with Crowl (Client) to purchase a Macbook for iOS development. Besides that, we went through the usual of what we did last week and what we plan to do in the next week. As well as discuss some

more ideas for improving the project.