sdmay19-29: Automating Inventory Management
Week 1 Report
September 2 - September 9

Team Members
David Bis — *Meeting Facilitator*
Hannah Moser — *Meeting Scribe*
Adam Hauge — *Report Manager*
Ben Gruman - Resource Acquisition
Sam Guenette — *Public Relations*
Noah Bix — *Documentation Manager*

Summary of Progress this Report
This week we met with our client and faculty adviser to discuss the beginning stages of designing our project. Our client has provided us with a presentation containing information pertaining Crafty's business which we have all reviewed in order to better understand what we are going to be facing over the course of our senior design project. We began to research and discuss the planning stages of our project including defining the scope as well as working towards a fundamental understanding of our project requirements.

Furthermore, we have discussed and solidified our team's methods for communication and sharing technical documentation. We have began scheduling and holding consistent meetings and storing all our meeting notes on Google Drive. We have also established each team member's roles relating to managing our project in order to maximize progress.

Pending Issues
We are currently unsure about the scope of our project. What kinds of deliverables does Crafty expect? Are we going to be working on deliverables pertaining to the client side or the warehouse side?

We currently don't have any one specific client/warehouse that we are working for. We are going to need to narrow down which client we will be designing a solution for.

We are unsure if we are going to be working to make the on-site Crafty employee's easier or if this project will completely replace them.

Should the people consuming food and beverages be held responsible for adjusting inventory accordingly?

Plans for Upcoming Reporting Period
This week we plan to get a better idea of the scope of our project and begin research on items we will need. We plan to choose one to two office spaces to work with in our next meeting with our client. This will make the project more feasible and allow us to start making progress toward a fully functional prototype. After this meeting we will begin research on different types of sensors and weight scales. This will allow us to see what's out there and narrow down feasible solutions.

Another task we plan on working on is developing a baseline architecture for our solution. This will involve in identifying at a high-level the particular structures used to satisfy the project requirements. These structures

include both hardware and software elements of the project. For hardware, we want to be able to identify a library of sensors that could be used to detect changes in inventory. For software, we want to identify certain technologies to be used for back-end processes, as well as data management. We also want to be able to address solution hosting (such as AWS or Azure).

Individual Contributions

Team Member	Contribution	Weekly Hours	Total Hours
David Bis	Facilitated group meetings between student members on 9/3/18 and 9/9/18, planned meeting agenda for meetings with client on 9/5/18 and 9/10/18. Attended meeting with adviser on 9/7/18. Worked on preparing presentation for Lightning Talk for 9/11/18 class.	6	6
Hannah Moser	Took avid notes at every meeting and shared with the rest of the members of the team for reflection and further thinking. Also helped come up with rough outline of what each member should achieve by the end of the week.	6	6
Adam Hauge	Participated in team meetings by discussussing and brainstorming ideas for our project. Helped define team goals and team member responsibilities for the course of our project. Wrote and managed weekly report.	6	6
Sam Guenette	Organized meeting with the advisor, participated in discussions with both client and the rest of the team on strategies and plans for the project's development.	6	6
Ben Gruman	Participated in meetings with team and client. Offered ideas for team structure and operation. Helped maintain group focus on agenda items and avoid speculation.	6	6
Noah Bix	Participated in meetings with the client, advisor, and the rest of team on project planning and laying a foundation. Researched clients company and learned details about how they operate. Helped prepare tasks for upcoming week	6	6

Gitlab Activity Summary

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Action: closed, Wed Sep 05 2018
Author: Ben Gruman
Title: Meet with Client to Discuss Project Details,  Type: Issue
--------------------------------------------------------
Action: opened, Wed Sep 05 2018
Author: dsbis
Title: Meet with Client to Discuss Project Details,  Type: Issue
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