CPRE 491 Weekly Report 04

Date:
02/19/2017

Project Title:
Performance Livestock Analytics

Group Number:
DEC1708

Team Members & Roles:
Jacob Johnson - Key Idea Holder
Jeffrey Murray - Key Idea Holder

Client & Advisor:
Dustin Balsley & Prof. Daji Qiao

Michael Rhodas - Team Leader
Rachel Hartman - Communication Leader
Ken Kohl - Webmaster

Weekly Summary

This week we had our first meeting with our client to discuss the product we will be creating. We then met with our advisor and created a rough set of functional goals as well as a block diagram of our system and brainstormed follow up questions for our client. We then took the information we had compiled and filled out a majority of our project plan document. We will show this document to our client tomorrow and get his feedback before submitting this plan. Next we will begin to design our product and apply for a Apple Developer license and set up or development environments to begin actual product development.

Past Week Accomplishments

- Jacob: This week I spent some time in some of the more advanced Swift tutorials learning about some of the more modern features of the language such as tuples and their use cases. I also spent time laying out our design document in Google Docs so that we could collaborate on that assignment in real-time. I also spent some time making the document look nicer. I've also spent a little more time outside of Swift playgrounds actually familiarizing myself with the IDE Xcode. Finally, I set up a trello account for our team with a development board based on the agile development cycle.

- Jeffrey: Spent some time researching into the feasibility of utilizing barcode scanning for medicines and whether there are databases available for providing the data we need. Worked on the project plan and did some research on current veterinary applications that exist on the market.

- Michael: This week I mostly spent thinking about the design document. We had a meeting where we filled in almost every header. Also looked into cattle medication and databases that might have information we can use.

- Rachel:I have spent time doing more tutorials. I have research how grocery stores track their items. I have also researched how medical applications are able to track the medicine. Whether or not it is possible to do barcode scanning without inventory.

- Ken: Still have not found a definite way to develop IOS. University computers require administration level access to install Xcode. Building a hackintosh has been unsuccessful up to this point.

Pending Issues (if applicable)

- Jacob: At this point I'm just waiting on finalization of project scope in our next client meeting so that we can begin finalizing our product designs and exploring use cases and functional/non-functional requirements for our product so that we can start populating our product backlog on Trello.

- Jeffrey: Finalizing the design document at our adviser meeting this coming Friday and getting into actual development.

- Michael: Just need to go over the design document with our client to make sure we are on the right track.

- Rachel: Waiting to hear if our proposal for our client is one he wants. After that we will go through use cases and requirements for our application. We will design an way to scan in the medicines which we are still working on figuring out how to do. Also have to figure out how to add the scanning feature to our application.

- Ken: Getting a computer that can run XCode. Start screenshots and development of first objective.

Individual Contributions

Name	Contributions	Weekly Hours	Cumulative Hours
Jacob	Project Plan Document Design and Writing, Swift Research, Trello Setup	7	16
Jeffrey	Research, Meetings, Project Plan	4.5	12.5
Michael		4	14
Rachel	Research, client information handouts	3	12.5
Ken	Looking into ways to run XCode. Meetings.	4	12.5

	Research		

Plan for Coming Week

- Jacob: Finalize Project Plan and begin brainstorming functional and non-functional goals and higher level system architecture. Will look into creating the iOS base project for development.

- Jeffrey: Go over our current application and the plan for development with our adviser, hopefully get a finalized plan for design and get started with development.

- Michael: This week, we will meet with the client to finalize the design document. We will begin creating the use cases and architecture for the app by first creating a small connection testing app.

- Rachel: help finish the Project Plan. Continue researching. Figure out design component for Cattle Crush. Understand the use cases for the medicine part of our application.

- Ken: Help finish project plan. Hopefully get a computer to run XCode. Help develop plan to meet first objective.

Summary of Advisor Meeting

This week we shared the more detailed project information we had received from our client with our advisor. We spent our time together exploring this project by putting together a system block diagram for our application. This allowed us to find inter-connections between our systems and identify areas where we still had questions for our client as well as begin to assemble the most basic user cases and functional goals for the project. We also brainstormed possible solutions to some of the more complex problems that we know we will encounter with this project. Our advisor then had us finalize this block diagram for review with the client.