CPRE 491 Weekly Report 05

Date:
02/25/2017

Project Title:
Performance Livestock Analytics

Group Number:
DEC1708

Client & Advisor:
Dustin Balsley & Prof. Daji Qiao

Team Members & Roles:
Jacob Johnson - Key Idea Holder
Jeffrey Murray - Key Idea Holder
Michael Rhodas - Team Leader
Rachel Hartman - Communication Leader
Ken Kohl - Webmaster

Weekly Summary

This week we finalized our project plan document, reviewed it both with our client and advisor, and then spent some time finalizing our software architecture plan with the intention of starting development this coming week. In our next meeting with our client we will propose the use of a temporary Firebase backend system to help us get the product off the ground and in our next advisor meeting we plan to discuss application rollout and initialization strategies.

Past Week Accomplishments

- Jacob: This week I spent a good amount of time cleaning and finalizing our project plan document. I also setup our GitLab repository for the project and added more project backlog tickets to our Trello board. Then over the weekend I spent a good amount of time playing around in Xcode working on a sample iOS application to familiarize myself with the concepts of canvases and view controllers.

- Jeffrey: Primarily worked on further research into availability of databases for the drug listing that we will need to utilize. I still didn't have any luck finding anything, so I am now currently working on creating a tool that allows us to scrape data from the Green Book pdf that is posted by the FDA. As of right now, I created a shell script that pulls the data from a text file and converts it to JSON.

- Michael: The plan for the initial test app has for the most part been set. We finished the first version of the project plan document. Our research and planning with the client has given us a good idea on how to start developing the app this week.

- Rachel: Finished the project plan. Researched veterinary medicine cycles of buying and using medicine. Researched the general concepts of running a cattle farm. Worked more with Xcode and played around with some features.

- Ken: I helped create the design document along with setting up the team website. I also went ahead and bought an apple computer since I exhausted my other options for working around that issue.

Pending Issues (if applicable)

- Jacob: No issues, just ready to start actual development on the project. I'm hoping our client will like the Firebase idea as I think it will make the initial steps of our project development plan much easier.

- Jeffrey: Working on creating a Java application that allows for parsing of the actual Green Book PDF. Otherwise just waiting to get started on development.

- Michael: No current issues.

- Rachel: Waiting to start developing. Researching css format

- Ken: Add team website to Iowa State server

Individual Contributions

Name	Contributions	Weekly Hours	Cumulative Hours
Jacob	GitLab Setup, Trello Advances, Xcode Research, Sample App Work	5	21
Jeffrey	Research, Shell script, Java application	4.5	17
Michael	Project plan document, Testing app	4	18
Rachel	Research and Xcode tutorials	3	15.5
Ken	Team website, Research	4	16.5

Plan for Coming Week

- Jacob: I hope to setup the initial swift project and get it merged into our master development branch. I also have experience with Firebase so if the team is open to the idea I'd love to get that setup for our initial project work and testing.

- Jeffrey: Planning to finish up the Java application for scraping the PDF for future use, as it changes on a monthly basis, and we will need a convenient way to get that information. Also plan to get started on developing the app.

- Michael: We finished the project plan document this week. At this point we have gathered enough information from our client and research to start building test apps. There was much thought put into the initial development of the test app and will begin this next week.

- Rachel: Work on setting up a development branch. Learn how apple incorporates colors and text codes. Learn about firebase and css.

- Ken: I plan on getting the team website live along with getting the computer I ordered all set up and ready to develop on. Hopefully by next week we will have started development and can further work with our client to meet his needs.

Summary of Advisor Meeting

This week in our advisor meeting we discussed the project plan document and familiarized our advisor with the finalized architecture diagrams and talked about the first goals our client suggested. We talked about how those goals relate and then spent some time getting ready for development next week.