EE 491 Weekly Report - MAY15-05
Week 8 (10/20/14-10/26/14)

Advisors: Manimaran Govindarasu
Client: Intelligent Solutions Group, John Deere, Urbandale
Members:
Jesse Walther, team leader
Brian Moran, key concept holder
Haoyu Liu, webmaster
Tanner Hildebrand, communication leader
Sang Han, testing leader
Project Title: Augmented Reality Mobile App for Vehicle Maintenance

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Weekly Summary

This week we finally had a new advisor and we were able to meet with him and bring him up to speed on our project. We benefited greatly from having his input on our plans and documentation and will definitely be able to press forward more effectively now.

Additionally this week we continued to work to tweak our demo to show to ISG on campus at the end of this coming week. After putting together a basic skeleton we were able to recheck the requirements in our weekly phone meeting so we could make the updates to behave exactly as the application is expected to run. Expanding on this demo pushed our team into a deeper application of the platform which we are working on which will aid us, I suspect, greatly in the next semester in which more complicated features are expected to be added.

Meeting notes:

19OCT14 – Group Meeting
Duration: 1 hr

Purpose and Goals:
The purpose of this meeting was to synchronize our efforts on the demo for ISG and get every member set up on the git team to collaborate on development. We met in the TLA in order to all look at the development platform and what we will be working with in this application and review the working demo for ISG.

Achievements:
In this meeting we were able to collaborate in the TLA in order to get an overview of the demo and push the demo app to the testing phone so that we now know that that works as well. We began looking deeper into the capabilities of Xcode

and the iOS platform as a team and the power of the platform has become much clearer and more apparent to our entire team.
We reviewed our design document and prepared it to show Dr. Manimaran to receive his comments on the project and our plan and progress so far.

23OCT 14 – Meeting with new Advisor
Duration: 1 hr

Purpose and Goals:
This meeting was to get caught up with our new advisor and to get his input on our documentation and the direction our project is going.

Achievements:
We have established a good relationship with this new advisor and are excited to have his assistance for this project. Dr. Manimiran has provided some very good feedback and food for thought for our project. His advice is applicable beyond our immediate project as well, though we are much more comfortable now with his tutelage.

24OCT14 – Phone Meeting with ISG and Advisor
Duration: 1 hr

Purpose and Goals:
This meeting was to finalize the requirements for the first demo and to check on the status of some of our previous questions. Additionally we wanted to have a coordinational meeting in which our new advisor was also present.

Achievements:
Some of the pending questions from previous meetings were addressed in this meeting and we decided to go ahead and use the Vuforia framework for the Augmented Reality requirement of this application.
We finalized and clarified the behavior of the application for the first demo which we will be showing this week. We were able to discuss and better understand requirements with our advisor.

Pending issues
1. John Deere identity site

Plans for next week
Describe who will do what
1. Jesse: Set up meetings and demos and work on application design
2. Tanner: Demo application, work on second project plan, finish design document, continue develop application
3. Haoyu: Continue to update web page and work on demo for the week.
4. Brian: Continued work with Xcode and adding functionality to application

5. Sang: Add functionality to application and test demo features

Individual Contributions
Jesse: Attended meetings, worked on application layout and operation, tested demo app on device.(6 hr)
Brian: Attended meetings, working on functional parts of application (6hrs)
Haoyu: Attended meetings, put together web page, worked on app design(6 hr)
Tanner: Attend meetings, work on design document, weekly reports, and first demo (7 hr)
Sang: Attend meetings, worked on app design and test cases (6 hrs)

Total contributions for the project
Jesse Walther (39 hr)
Brian Moran (31hr)
Haoyu Liu (40hr)
Tanner Hildebrand (50 hr)
Sang (39 hr)