EE 491 Weekly Report - MAY15-05
Week 12 (11/17/14-11/30/14)

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 was a two week work period which included Thanksgiving break. We have a demo coming up next week so our team spent much of our time polishing our application and preparing to present to ISG on Monday.

The first week we continued to explore the Wireless connection issues we've run into with iOS security. It continues to stymie us. Other than this issue the rest of the back end of the application can be pieced together however without Wireless it remains extremely limited in functionality.

After a phone meeting on Friday we coordinated for the coming weeks up to our demo and for the final presentation. In the second week of this cycle we worked on our presentation and finalized our documents.

Meeting notes:

21 NOV 14 – Phone Meeting
Duration: 1 hr

Purpose and Goals:
This meeting was intended to check in with ISG before the Thanksgiving break and update them on our issues and see if they had made any headway on their end. We also wanted to use the time to coordinate with our advisor and each other.

Achievements:
We updated ISG on where we stood with the project and our plans for the coming days. No headway was made with regards to the WiFi issue we've been having. We did settle on a demo time for after break and also decided on what will be completed for the end of the Semester.

30 NOV 14 – Group Meeting
Duration: 1 hr

Purpose and Goals:
This meeting is intended to go over our presentation and demo for ISG and polish up our documents. We wanted to check in with each other and make sure everybody was on the same page for the coming weeks and that we had a plan for our presentation.

Achievements:
We were able to finalize our demo plan, though not every feature was moved into the main application the features we wanted to demo were there that could be shown. We quickly worked out a few kinks and some usability tests to make sure the app would run as expected when we got to the demo in the morning.
We felt pretty confident about the preparation of the demo for the requirements of this semester and still have a few major hurdles to work on, we agreed, but we also agree that there are some alternatives if the original specs are not completeable.

Pending issues
1. iOS wifi connectivity issue

Plans for next week
1. Jesse: Integrate tractor vision into application main
2. Tanner: Finalize documents and finish Tractor information storage for internal
3. Haoyu: Move alerts into application
4. Brian: Work on resolving WiFi connectivity information
5. Sang: Work on wifi, testing plan

Individual Contributions
Jesse: meetings, Worked with Vuforia to have a working prototype for tractor vision and looked into integration into main application(14 hr)
Brian: Attending meetings, Looked into wifi issues (14 hrs)
Haoyu: (14hr)
Tanner: Attend meetings, worked on final documents, worked on internal tractor information storage, worked on code documentation (15 hr)
Sang: Attend meetings, Research on wifi issue and test plans for Xcode/iOS(14 hrs)

Total contributions for the project
Jesse Walther (66 hr)
Brian Moran (67hr)
Haoyu Liu (71hr)
Tanner Hildebrand (94 hr)
Sang (76 hr)