

EE 491 Weekly Report - MAY15-05
Week 10 (11/03/14-11/09/14)

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

Weekly Summary

In this week we were mainly focused on adding functionality to our application. After breaking down what we needed to accomplish for our next check point we were able to split up the work between people and start working. There are some issues which we have to work through with limitations of the iOS system's security features which limit what we can do with connectivity but we are working towards a solution now.

Since we just had a demo last week we did not have a meeting with our client this week and we pushed forward with development and experimentation.

Meeting notes:

03 NOV 14 – Group Meeting

Duration: 1 hr

Purpose and Goals:

We wanted to touch base after our last demo in which we received updated requirements for the application. We needed to break up the requirements between us and to coordinate how the parts were going to fit together. We discussed some of the limitations of iOS in regards to the requirements of the application and how we might get around these limitations.

Achievements:

After this meeting every team member had a part to work on and we had several issues to research to try and find solutions for. We reaffirmed understanding of our individual role and started working on our individual parts.

Pending issues

1. John Deere identity site
2. iOS wifi connectivity issue

Plans for next week

1. Jesse: Additional Vuforia work.
2. Tanner: Finish project plan 2, continue working on app data storage, database work
3. Haoyu: Working on alert page.
4. Brian: continue working on wifi connections
5. Sang: continue researching and working on wifi function

Individual Contributions

Jesse: Meetings, continued Vuforia work and image recognition for tractor parts (7 hr)

Brian: (8 hrs) attended meetings researched wifi connections, and looked into a person to refer to for help with xcode

Haoyu: working on alert page, finishing website. (7hr)

Tanner: Attended meeting, worked on project plan version 2, worked on tractor data storage on app (7 hr)

Sang: Attended meetings, researched on XCode for communication between MTG and mobile app through WiFi(9hrs)

Total contributions for the project

Jesse Walther (45 hr)

Brian Moran (45hr)

Haoyu Liu (50hr)

Tanner Hildebrand (71 hr)

Sang (53 hr)