

John Deere Augmented Reality Mobile App
491 Weekly Report - MAY1609
Week 13 (12/01/15 - 12/08/15)

Advisors: Manimaran Govindarasu

Client: Benazir Fateh, Intelligent Solutions Group, John Deere, Urbandale

Members:

Collin Goedken, Team Leader

Josh Harper, Key Concepts Holder

Jordan Harper, Webmaster

Matt Koziy, Key Concepts Holder

Ben Myshkowec, Communicator

Brent Barth, Communicator

Joel DeLong, Webmaster

Project Title: Augmented Reality Mobile App for Vehicle Maintenance

Weekly Summary

This week we met as a group and finished our powerpoint for our presentation for the end of the semester. We split up the slides and began to practice the presentation. We have not yet given the presentation but feel confident in our preparation. We are starting to look into integrating our new features into the previous version of the project.

Meeting Notes

December 8, 2015 -- End of semester presentation

Duration: 25 minutes

Purpose and Goals:

- Demonstrate achievements
- Communicate with faculty our progress

Achievements:

- Showed faculty our new features to the project
- Gained feedback on what more we should implement

Pending Issues

- Will need to communicate with TI board and be able to send data
- Wikitude was able to scan and detect a large tractor. Question is how will it work if the smallest pieces are changed.
- Work on overlaying augmented objects with 3D recognition
- Taking out Vuforia from old project, and how that affects the rest of the project architecture

Plans for next week

- Finish iOS peripheral development. Test with TI board
- User interface
- Wikitude augmented reality
- Integration of these features into old project

Individual Contributions

Collin: DEMO (5 hours)

Matt: DEMO (5 hours)

Brent: DEMO (5 hours)

Joel: DEMO (5 hours)

Ben: DEMO (5 hours)

Jordan: DEMO (5 hours)

Josh: DEMO (5 hours)

Total Contributions (Running Total):

Collin: 79 hours

Matt: 75 hours

Brent: 49 hours

Joel: 51 hours

Ben: 49 hours

Jordan: 49 hours

Josh: 44 hours