

John Deere Augmented Reality Mobile App
492 Weekly Report - MAY1609
Week 19 (2/14/16 - 2/20/16)

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 with our client for an on-campus meeting. During this meeting we had great discussion on the outlook of our project. We were given details of what is expected of us to finish by the end of May. Our client was happy with our progress, and felt we dealt with many of the pending issues that needed to be addressed.

Meeting Notes

Advisor Meeting

Duration: 1 Hour

Purpose and Goals:

- Discuss each member's contributions
- Update on progress on project

Achievements:

- Schedule set
- Each person's contributions are set

Client On-Campus Meeting

Duration: 1 Hour

Purpose and Goals:

- Discuss Bluetooth / Cloud storage
- Determine next on campus meeting

Achievements:

- Given Bluetooth profile to be used with MTG
- MyJohnDeere for validation, third party database for the user log history
- Use cases for augmented reality has simplified

Pending Issues

- Wikitude image recognition and augmented reality
- Work on overlaying augmented objects with 3D recognition
- Change Bluetooth profile to match that of MTG
- Validation through MyJohnDeere API

Plans for next week

- Work on Bluetooth profile
- Work on augmented reality to overlay objects
- Get the correct data flow over the bluetooth connection
- Start on the MyJohnDeere API

Individual Contributions

Collin: Advisor & client meeting, bluetooth(4 hours)

Matt: Advisor & client meeting, bluetooth (4 hours)

Brent: Advisor & client meeting, Cloud storage(4 hours)

Joel: Advisor & client meeting, Trello (3 hours)

Ben: Advisor & client meeting(2 hours)

Jordan: Advisor & client meeting(2 hours)

Josh: Advisor meeting(1 hours)

Total Contributions (Running Total):

Collin: 116 hours

Matt: 102 hours

Brent: 82 hours

Joel: 78 hours

Ben: 72 hours

Jordan:75 hours

Josh: 68 hours