

John Deere Augmented Reality Mobile App
492 Weekly Report - MAY1609
Week 18 (2/7/16 - 2/13/16)

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 advisor and client. We needed to determine the Bluetooth profile that will be consistent with that of the MTG. Deere said they would provide us with this profile so we must try to replicate the data flow as of now. We will be meeting the client on campus next week to get further details.

Meeting Notes

Advisor Meeting

Duration: 1 Hour

Purpose and Goals:

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

Achievements:

- Gave us insight into questions to ask the client
- Setting timeline of events

Client Meeting

Duration: 1 Hour

Purpose and Goals:

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

Achievements:

- Bluetooth profile will be provided by them
- Go ahead on use of the MyJohnDeere API

Pending Issues

- Wikitude image recognition and augmented reality
- Work on overlaying augmented objects with 3D recognition
- Correct data flow over Bluetooth connection
- Peripheral app is created but cannot connect to our app

Plans for next week

- Work on Bluetooth profile so there is a connection
- Discuss with client alternatives to the augmented reality
- Get the correct data flow over the bluetooth connection
- Start on the MyJohnDeere API

Individual Contributions

Collin: Advisor meetings & bluetooth(4 hours)

Matt: Advisor & client meeting(2 hours)

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

Joel:Advisor & client meeting (2 hours)

Ben: Advisor & client meeting(2 hours)

Jordan: Advisor & client meeting(2 hours)

Josh: Advisor meeting(1 hours)

Total Contributions (Running Total):

Collin: 112 hours

Matt: 98 hours

Brent: 78 hours

Joel: 75 hours

Ben: 70 hours

Jordan:73 hours

Josh: 67 hours