

John Deere Augmented Reality Mobile App
492 Weekly Report - MAY1609
Week 21 (2/27/16 - 3/04/16)

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

We have continued to work on the different facets of our project. Currently, we are copying the bluetooth data patterns for communication with the MTG. We are still in progress with the database and MyJohnDeere API. We are still working as a group to figure out the augmented reality portion of the project. Our advisor informed us in the meeting that he would like us to show him our final powerpoint for the project.

Meeting Notes

Advisor Meeting

Duration: 1 Hour

Purpose and Goals:

- Discuss final presentation
- Update on status of project

Achievements:

- Meeting to show final presentation

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
- Continue working on MyJohnDeere API

Individual Contributions

Collin: Bluetooth(4 hours)

Matt: Bluetooth (3 hours)

Brent: Advisor meeting, MyJohnDeere API(3 hours)

Joel: Advisor meeting,, Cloud storage (3 hours)

Ben:(0 hours)

Jordan:(0 hours)

Josh:(0 hours)

Total Contributions (Running Total):

Collin: 124 hours

Matt: 109 hours

Brent: 89 hours

Joel: 85 hours

Ben: 73 hours

Jordan:76 hours

Josh: 69 hours