

John Deere Augmented Reality Mobile App
491 Weekly Report - MAY1609
Week 8 (10/20/15 - 10/27/15)

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 was composed of a group meeting, meeting with the client, and a meeting with our advisor. Our group meeting consisted of us discussing about the design document. We also got an overview and update about development concerns and achievements. The meeting with our advisor we discussed the scope of our project. The phone meeting with the client we discussed further requirements for the demonstration. Finally we have been continuing development for the bluetooth connectivity and making appropriate changes.

Meeting Notes

October 21, 2015 -- Group Meeting

Duration: 1 hour

Purpose and Goals:

- Design doc issues and concerns
- Discuss demo
- code issues

Achievements:

- set schedule
- design doc expectations expectations

October 23, 2015 -- Client Meeting

Duration: 1 hours

Purpose and Goals:

- iPhone to MTG connectivity
- discuss development issues and goals
- Problems?

Achievements:

- iPhone = peripheral, MTG = client
- better understanding of development issues and achievements
- Improved understanding of requirements
- Requested new iPhone, due to the previous not having BLE (Bluetooth Low Energy)

October 26, 2015 -- Client Meeting

Duration: 1 hours

Purpose and Goals:

- Touch base with Advisor
- discuss development issues and goals
- Project Scope

Achievements:

- Project management/planning
- Discussed design doc
- Improved understanding of requirements

Pending Issues

- Linux bluetooth communication
- Wikitude?

Plans for next week

- Finish design document
- Finish development on bluetooth communication
- User interface

Individual Contributions

Collin: worked on linux/iOS bluetooth, meetings (7 hours)

Matt: worked on linux/iOS bluetooth detection/connection, meetings(7 hours).

Brent: Design document, communication with client(5 hours)

Joel: Research, design document (5 hours)

Ben:research, design document(5 hours)

Jordan: Research, design document, user interface(5 hours)

Josh: user interface,Research augmented reality(5 hours)

Total Contributions (Running Total):

Collin: 30 hours

Matt: 34 hours

Brent: 23 hours

Joel: 22 hours

Ben: 22 hours

Jordan:22 hours

Josh: 22 hours