

John Deere Augmented Reality Mobile App
491 Weekly Report - MAY1609
Week 9 (10/27/15 - 11/3/15)

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 dividing up work for future development. We also discussed possible issues with the bluetooth connectivity. The meeting with our advisor we also discussed the bluetooth connectivity issue. 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 28, 2015 -- Group Meeting

Duration: 1 hour

Purpose and Goals:

- discuss bluetooth connectivity
- Discuss demo
- code issues

Achievements:

- divided up work
- new testing options for bluetooth

October 28, 2015 -- Client Meeting

Duration: 1 hours

Purpose and Goals:

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

Achievements:

- python code works with client on machine and server on VM
- still have issue seeing iphone service from linux
- better understanding of development issues and achievements
- Improved understanding of requirements
- scope of other project parts (AR, User Interface, Connectivity)

October 26, 2015 -- Advisor Meeting

Duration: 1 hours

Purpose and Goals:

- Weekly progress
- discuss presentation
- Problems?

Achievements:

- Project presentation recommendations
- Discussed bluetooth connectivity issue
- Separated workload between team members

Pending Issues

- Linux bluetooth cannot see iPhone's advertising services
- Wikitude?

Plans for next week

- Install Ubuntu on physical hardware, not virtual machine
- Finish development on bluetooth communication
- User interface
- Wikitude development

Individual Contributions

Collin: worked on linux/iOS bluetooth, meetings (8 hours)

Matt: worked on linux/iOS bluetooth detection/connection, meetings(8 hours).

Brent: Communication with client, augmented reality development(6 hours)

Joel: Created skeleton for User Interface (8 hours)

Ben: Front end iOS user validation(6 hours)

Jordan: User interface(6 hours)

Josh: User interface(6 hours)

Total Contributions (Running Total):

Collin: 38 hours

Matt: 42 hours

Brent: 29 hours

Joel: 31 hours

Ben: 29 hours

Jordan:29 hours

Josh: 29 hours