

**John Deere Augmented Reality Mobile App**  
**491 Weekly Report - MAY1609**  
**Week 12 (11/17/15 - 11/24/15)**

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**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

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**Weekly Summary**

This week we met with our client to demonstrate our accomplishments so far. We decided to meet with them before the week long Thanksgiving break. In the demo, we showed them our achievements of bluetooth communication, user interface, and augmented reality. The demonstration went well and further requirements have been set.

**Meeting Notes**

November 17, 2015 -- Client Demo

Duration: 1 hour

**Purpose and Goals:**

- Demonstrate achievements
- Communicate with client for further requirements

**Achievements:**

- Showed client 3 main parts we worked on
- Need to now combine old code into new UI

## **Pending Issues**

- Will need to communicate with TI board and be able to send data
- Wikitude was able to scan and detect a large tractor. Question is how will it work if the smallest pieces are changed.
- Work on overlaying augmented objects with 3D recognition

## **Plans for next week**

- Wrap up presentation information
- Finish iOS peripheral development. Test with TI board
- User interface
- Wikitude augmented reality

## **Individual Contributions**

Collin: wikitude implementation, DEMO (10 hours)

Matt: linux/iOS bluetooth detection/connection, DEMO (10 hours).

Brent: DEMO (5 hours)

Joel: DEMO (5 hours)

Ben: DEMO (5 hours)

Jordan: DEMO (5 hours)

Josh: DEMO (5 hours)

## **Total Contributions (Running Total):**

Collin: 74 hours

Matt: 70 hours

Brent: 44 hours

Joel: 46 hours

Ben: 44 hours

Jordan: 44 hours

Josh: 39 hours