

**John Deere Augmented Reality Mobile App**  
**491 Weekly Report - MAY1609**  
**Week 16 (1/24/16 - 1/30/16)**

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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**

During the third week of our project we got to speak with our advisor and client. The advisor meeting gave us the opportunity to give updates on the project from over break. We also had our first client meeting in which we were able to discuss a few issues with bluetooth mockup screens. Our next goal is to correctly make these changes before our next meeting.

**Meeting Notes**

Advisor Meeting

Duration: 1 Hour

Purpose and Goals:

- Updates on project

Achievements:

- Found mutual meeting times
- Showed advisor our updated project

Client Meeting

Duration: 1 Hour

Purpose and Goals:

- Discuss updated project

- Discuss bluetooth mockups

#### Achievements:

- Changed bluetooth mockups
- Changed peripheral and central for bluetooth
- Deere approved our changes to app

#### **Pending Issues**

- Will need to communicate with TI board and be able to send data
- Wikitude image recognition and augmented reality
- Work on overlaying augmented objects with 3D recognition
- Implement form validation into rest of app

#### **Plans for next week**

- Receive TI board once we do, test with the board
- New bluetooth mockups
- Wikitude touch ups and research augmentation procedure
- Timeline of project for advisor

#### **Individual Contributions**

Collin: Client and advisor meetings & bluetooth(3 hours)

Matt: client meeting & bluetooth (2 hours)

Brent: client meeting (2 hours)

Joel: client meeting (2 hours)

Ben: client and advisor meeting (3 hours)

Jordan: client meeting (2 hours)

Josh: client meeting (2 hours)

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

Collin: 105 hours

Matt: 94 hours

Brent: 69 hours

Joel: 69 hours

Ben: 67 hours

Jordan:70 hours

Josh: 65 hours