

**John Deere Augmented Reality Mobile App**  
**491 Weekly Report - MAY1609**  
**Week 3 (9/15/15 - 9/21/15)**

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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's focus has been our first meeting with our client on 9/18. This meeting allowed for us to meet the client as well as get our project requirements. We met on 9/15 to go over what we currently know about the project and what we need to know in the short run for the project design. Our group settled on a good meeting location for our weekly meetings. More extensive research is needed for determining which augmented reality software should be used to fit the client's needs. We have equally divided the project plan between team members, and hope to have a rough draft by next Monday.

**Meeting Notes**

September 15, 2015 -- Third Group Meeting

Duration: 1 hour

Purpose and Goals:

- Meeting prep
- Email the client about some questions before hand to gain more knowledge for meeting focus areas

#### Achievements:

- Heard back from the client, which helped us formulate what we will focus on in the meeting
- Figured out where we would meet for the teleconference
- Requirements
- user interface, mobile styling guide

September 18, 2015 -- First Client Meeting

Duration: 1 hour

#### Purpose and Goals:

- Determine full project requirements
- Timeline of project milestones and deliverables
- Discuss paper formalities required such as NDA and IP

#### Achievements:

- Got project requirements
- Timeline of project deliverables
- List of times suitable for future meetings with client

September 21, 2015 -- Third Advisor Meeting

Duration: 1 hour

#### Purpose and Goals:

- Gain sound knowledge from the client on project requirements and scope.
- Discuss our progress and plan for future progress

#### Achievements:

- Timeline for Project Plan
- Better understanding of project scope

#### **Pending Issues**

- Is vuforia the best software to achieve our goals?

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

- Submit weekly report 3 by 10:00 AM Tuesday to blackboard and advisor
- Some website functionality working
- Group consensus on augmented reality software

- Project Plan rough draft finished

### **Individual Contributions**

Collin: Attended advisor meeting, More research. Worked on project plan(2 hours)

Matt: Attended advisor meeting, client meeting, requirements rough draft, AR ( 3 hours).

Brent: Attended advisor meeting, Set up mac in senior design lab, project plan( 2 hours)

Joel: Attended advisor meeting, client meeting, project plan rough draft(2 hours)

Ben: Attended advisor meeting, research into XCode, project plan rough draft( 2 hours)

Jordan: Attended advisor meeting, client meeting, requirements rough draft(3 hours)

Josh: Attended advisor meeting, client meeting, project plan rough draft(2 hours)

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

Collin: 7 hours

Matt: 7 hours

Brent: 7 hours

Joel: 7 hours

Ben: 6 hours

Jordan: 7 hours

Josh: 6 hours