

---

## EE/CprE/SE 491 Weekly Report (10/02 - 10/13)

Group Number 001

Client: Brockman, Nathan - Reiman Gardens

Advisor: Vaswani, Namrata

Project Manager: Jay Amin

Project Planner: Mark O'Meara

Project Organizer: James Lockard

Communications Director: Adrianna Kallis

Documentation Designer: Matthew Markrose

Test Engineer: Manthan

# Small Pupae Big Data

13<sup>th</sup> October 2019

## Weekly Summary

For this week, the group worked on the first draft of the design document. This involved defining the project statement, requirements, deliverables, design, and development process. Through writing this document, the team collaboratively determined a common plan. Additionally through this process, the team discovered some confusion regarding requirements and expectations from the client. The team developed a list of questions to clarify, and set up a meeting to ensure clear communication between the team and the client.

## Past Week Accomplishments

Team Member	Work Done
Jay Amin	<ul style="list-style-type: none"><li>● Design document review and analysis to generate more questions for followup meeting</li><li>● Comparison of current system in place for Reiman Gardens to our proposed system as well as generated questions for next meeting</li><li>● Lightning talk editing and recording</li><li>● Design document intro editing and overall review</li><li>● Continued to practice with VueJS and progress beyond basics</li></ul>
Mark O'Meara	<ul style="list-style-type: none"><li>● Project Plan Lightning Talk</li><li>● Design Document<ul style="list-style-type: none"><li>○ Design Plan and Modules</li></ul></li></ul>
James Lockard	<ul style="list-style-type: none"><li>● Began work on design document v2</li><li>● Ran through more demos on Vue front-end framework</li></ul>

Adrianna Kallis	<ul style="list-style-type: none"> <li>● Worked on design document, specifically the design analysis</li> <li>● Ensured clarifying questions for client were documented and established</li> <li>● Looked at existing data analysis from the Abby (the garden's stats student worker) in order to understand what had already been done and what should be built off of</li> <li>● Analyzed data to understand given explanatory variables</li> </ul>
Matthew Markose	<ul style="list-style-type: none"> <li>● Discussed design ideas and priorities</li> <li>● Ran through Angular tutorials, understood benefits</li> </ul>
Manthan	<ul style="list-style-type: none"> <li>● Did some research for design document v2</li> <li>● Played around with Angular a little more to setup back-end framework for the app</li> </ul>

## Pending Issues

Team Member	Issues Encountered
Jay Amin	<ul style="list-style-type: none"> <li>● Meet again with client to hash out important questions/issues</li> <li>● Determine what end goals are after confusion from previous meeting</li> <li>● Determine what statistical analysis needs to be down <ul style="list-style-type: none"> <li>○ What is the end goal??</li> </ul> </li> </ul>
Mark O'Meara	<ul style="list-style-type: none"> <li>● Need to figure out what web domain we are using.</li> <li>● Need to determine if we are expanding the existing system or creating new system from scratch.</li> </ul>
James Lockard	<ul style="list-style-type: none"> <li>● Still need to solidify what framework and backend we are going to use to implement design. <ul style="list-style-type: none"> <li>○ Pending on if we are going to use existing system and build off of it.</li> </ul> </li> </ul>
Adrianna Kallis	<ul style="list-style-type: none"> <li>● The data is currently in an Access Table format, and I don't have Access on my laptop. Need to convert the data into a different format or clarify with the client that the data is the same between the databases given</li> <li>● Need to ask clarifying questions about whether we are expected to design the system from scratch or use the existing system</li> </ul>
Matthew Markose	<ul style="list-style-type: none"> <li>● The garden has a working solution currently. We have to decide if we are building off of that product or making our own</li> </ul>
Manthan	<ul style="list-style-type: none"> <li>● Need to identify which architecture to use for each aspect of the project.</li> </ul>

## Individual Contributions

Team Member	Previous Cumulative Hours	Hours Week of 10/2- 10/6	Hours Week of 10/7 - 10/13	New Hours Cumulative
Jay Amin	24	3	3	30
Mark O'Meara	20	2	4	26
James Lockard	25	4	2	31
Adrianna Kallis	20	2	4	26
Matthew Markose	20	2	3	25
Manthan	24	3	2	29

## Plans For The Upcoming Week

Team Member	Projected Work
Jay Amin	<ul style="list-style-type: none"> <li>● Meet with Nathan, Anita, and possibly Abby at Reiman Gardens</li> <li>● Ask questions based on work and thoughts from this week</li> <li>● Clarify design and goals and go over design document</li> <li>● Make any design changes needed</li> <li>● Begin prototyping to practice environment and build basic system</li> <li>● Meet with Advisor</li> </ul>
Mark O'Meara	<ul style="list-style-type: none"> <li>● Meet with Nathan at Reiman Gardens to get answers to issue questions.</li> <li>● Reflection: Areas of Professional Responsibility</li> <li>● Decide what back-end we are going to use</li> </ul>
James Lockard	<ul style="list-style-type: none"> <li>● Visit Reiman gardens</li> <li>● Determine what technology we will be using for project development.</li> <li>● Begin work on the project or get access to existing software to build out.</li> </ul>
Adrianna Kallis	<ul style="list-style-type: none"> <li>● Coordinate visit at Reiman gardens               <ul style="list-style-type: none"> <li>○ Ensure I understand what data analysis has already been done and what I should do</li> <li>○ Ask the other questions needed to continue into development process</li> </ul> </li> </ul>

---

	<ul style="list-style-type: none"><li>● Set up meeting with Dr. Vaswani to discuss best practices for the data analysis portion of the project</li><li>● Begin preliminary analysis in Python or R</li></ul>
Matthew Markrose	<ul style="list-style-type: none"><li>● Meet with client to discuss plans</li><li>● Make decisions on technologies to use</li></ul>
Manthan	<ul style="list-style-type: none"><li>● Meetings for further project discussions.</li><li>● Push the skeleton of the project into the team git.</li><li>● Meet with client and advisor.</li></ul>

### **Summary of Weekly Advisor Meeting (Optional/If Applicable)**

Currently, the team is working to set up a meeting with Dr. Vaswani. Prior to the meeting, she asked for additional details about the project, including a summary of the client data and more information about the goal of the analysis. The team is working to provide this information and set up a meeting for next week.