
EE/CprE/SE 491 Weekly Report (2/10/20 - 2/23/20)

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

23rd February 2020

Weekly Summary

The group followed up on meetings done with their client and advisor. This included researching additional pieces of data for historical data analysis as well as preparing and prototyping metrics to implement in the coming weeks. Additionally, work was done in data processing for stored data to help tie the different parts of the project together. To prepare for the upcoming client meeting, these parts and tasks will be further developed and tested to be ready for client feedback and suggestions. Additional tasks will be created by the back-end team and front-end team during their individual team meetings to further develop and research the different parts of the system.

Past Week Accomplishments

Team Member	Work Done
Jay Amin	<ul style="list-style-type: none">• Worked on UI with place holders• Fixed routing in navigation drawer• Added dark mode support• Prototyped with state management for local settings and configurations• Began video presentation slideshow• Group meeting with Advisor
Mark O'Meara	<ul style="list-style-type: none">• Researched how to pull data from firebase back-end in order to create front-end data graphs• Group meeting with Anita from Reiman Gardens

	<ul style="list-style-type: none"> ● Group meeting with advisor
James Lockard	<ul style="list-style-type: none"> ● Found more data in the cybox and added more information to the current document surrounding data for the client meeting. ● Finish compiling list of data to collect, types of data points, and values expected for list types.
Adrianna Kallis	<ul style="list-style-type: none"> ● Worked on metrics to show non-admin users of the system ● Communicated with client to discuss data <ul style="list-style-type: none"> ○ Which data is collected by all gardens, which data is optional, which data should be used for summaries ● After gaining clarity on the data, began cleaning the appropriate data in R for historical data analysis <ul style="list-style-type: none"> ○ R is being used instead of Python to develop example charts, metrics, and summaries ○ After the client gives feedback on what they like and dislike, the implementation will be performed in Python
Matthew Markrose	<ul style="list-style-type: none"> ● Completed database functions from Node to Firestore
Manthan	<ul style="list-style-type: none"> ● Review git branches, organized master ● Changed a few files for MVC design pattern

Pending Issues

Team Member	Issues Encountered
Jay Amin	<ul style="list-style-type: none"> ● Lots of messy versions, need to start compiling and combining multiple work versions
Mark O'Meara	<ul style="list-style-type: none"> ● Need to figure out how the data is going to be stored and formatted in the firebase back-end before I create the front-end code to access the data.
James Lockard	
Adrianna Kallis	<ul style="list-style-type: none"> ● The data has many missing values, and a determination must be made about how to handle it ● The data cleaning process is taking longer than originally anticipated
Matthew Markrose	
Manthan	<ul style="list-style-type: none"> ● Issues with organization of vue files

Individual Contributions

Team Member	Previous Cumulative Hours	Hours Week of 2/10 - 2/16	Hours Week of 2/17 - 2/23	Hours Cumulative
Jay Amin	93	7	4	104
Mark O'Meara	79.5	4	3	86.5
James Lockard	100	8	0	108
Adrianna Kallis	94	5	5	104
Matthew Markose	78	4	4	86
Manthan	100	5	5	110

Plans For The Upcoming Week

Team Member	Projected Work
Jay Amin	<ul style="list-style-type: none">● Finish organizing git● Finish internal manual for team● Meet with front end team for intermediate goals
Mark O'Meara	<ul style="list-style-type: none">● Work with back-end to figure out the formatting of data in firebase● Once format has been established, pull data from firebase to create graphs front-end
James Lockard	<ul style="list-style-type: none">● Build out common library of components for the UI● Build out UI forms for data collection and garden registration● Work with backend to determine an appropriate database schema
Adrianna Kallis	<ul style="list-style-type: none">● Complete data cleaning● Create visualizations to show client● Receive feedback from client and progress with the ideas that were well-received
Matthew Markose	<ul style="list-style-type: none">● Develop possible functions not assigned currently
Manthan	<ul style="list-style-type: none">● Will be finishing the basic features of the project

Summary of Weekly Advisor Meeting (Optional/If Applicable)

The team had a short check-in meeting with the faculty adviser. The team discussed the previous semester's design document, end of semester presentation, and the progress made thus far in the current semester. Dr. Vaswani sent the team a useful document regarding a statistical modeling method for categorical data.