
EE/CprE/SE 491 Weekly Report #04

Reporting Period: February 21 - February 27

Group Number: 05

Project Title: Global Reiman Butterfly App

Client: Nathan Brockman (mantisnb@iastate.edu)

Advisor: Ashraf Gaffar (gaffar@iastate.edu)

Team Members:

Bailey Wanders

Samuel Sells

Johann Guepjop Megaptche

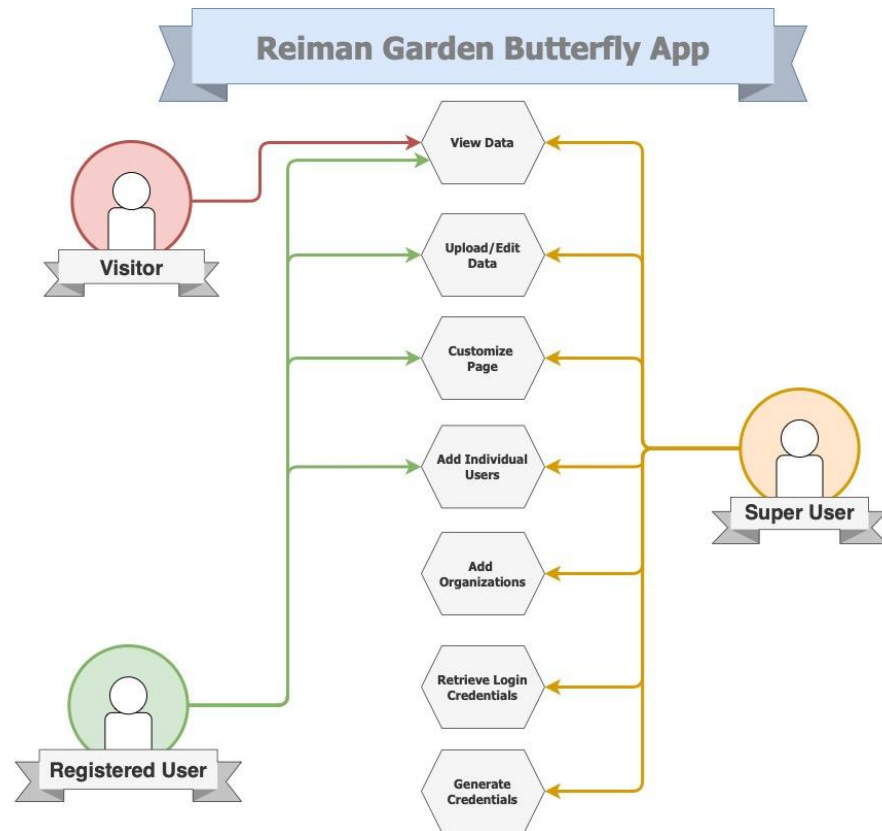
Caleb Donavon

Weekly Summary

This week, the team outlined several decisions that need to be made. Because this project is being worked on concurrently by a group in the Computer Science department, all team members agreed that a plan needed to be made in order to prevent interference or overlap between the groups. This team started by asking for advice from a TA who was in attendance at the weekly team meeting on February 20. This TA advised the team to work alongside the Com Sci group. Similar advice was given by Professor Gaffar at the advisor meeting on February 24. At this meeting several options were discussed regarding the best way to approach this concurrent project. Team members discussed their options and decided to reach out to the Com Sci team before any final decisions were made.

Accomplishments From Past Week

- Bailey:
 - Helped update team website
 - Edited Lightning Talk #1
 - Created use-case diagram



- Sam
 - Helped update team website
 - Helped work on Lightning Talk PowerPoint
 - Created additional Persona Profiles



Personal Background
 Have been working in the butterfly garden's for a couple of years, Studied entomology at ISU. Grew up in Iowa

Goals
 I want to better the emergence results for the butterflies in my park. I want to expand our breadth of knowledge to reach butterfly parks around the world

John
Butterfly
 Entomologist • Age: 34

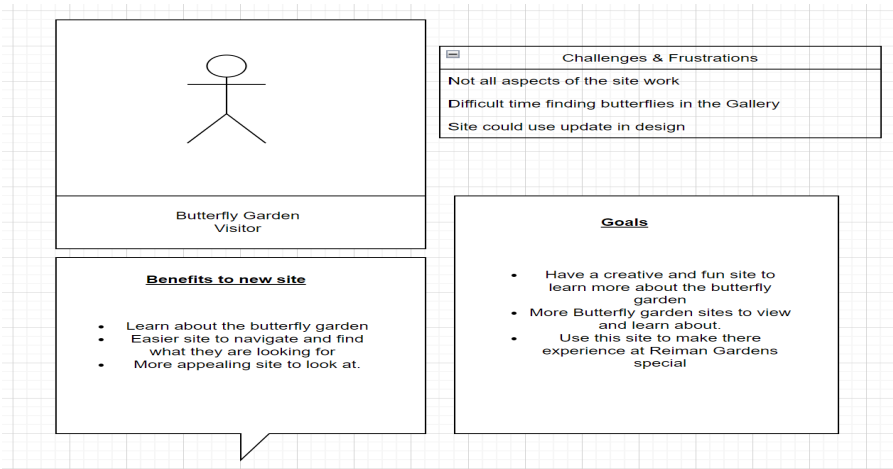
- Pain Points**
- Clunky input system to keep track of shipments and emergencies
 - Outdated Software
 - Older style webpage

- Needs**
- A place to exchange practices with other butterfly parks
 - Way to display and input our parks data

- Powers**
- Access to our parks information such as shipment records and emergence data

- Reasons to use your product**
- Interactive gallery of butterflies
 - Ease of use and visually pleasing
 - Relevant to my needs and to my butterfly garden
 - Dependable and well structured backend connections with other parks
 - Easy to see data and the website makes good use of it

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- Started brainstorming other useful APIs we could use in our project
- Caleb:
 - Work on the lightning talk
 - Help with team website
 - Create a persona profile for a visitor



- Start talking to Com Sci group about what they've accomplished so far.
- Johann:
 - Attended meeting with advisor
 - Updated team website
 - Created a persona profile for Reiman Garden

Reiman Garden / SuperUser



Needs:

- Obtain a user-friendly website for visitors
- Being able to display butterfly wing information and update it properly with time
- Providing webapp for other butterfly organizations to promote their butterfly wings

Background:

- Butterfly Organization
- Diversed team of employees (interns included)

Benefits to project:

- Getting an up-to-date webapp for butterfly wing visitors
- Expanding webapp to other butterfly wings

Pending issues (if applicable)

- Meet with Com Sci team to determine what it will look like working together
- Solidify our choices of API and language
- Start researching tools that can help with problems stated by client

Individual Contributions

Name	Individual Contributions	Hours This Week	Hours Cumulative
Caleb Donavon	Meeting with advisor, lightning talk, and talk to com s members about progress	4	9
Johann Guepjop Megaptche	Meeting with advisor, updated team website, added persona profile		5.5
Samuel Sells	Persona Profile, Advisor Meeting, Lightning talk, Research	4	10
Bailey Wanders	Use-case diagram, advisor meeting, lightning talk editing	4	11.5

Plans For the Upcoming Week

- Determine plan for working concurrently with Com Sci team
 - Communicate with them and get feedback
- Research Amazon Web Services for potential use
- Continued research on potential project resources

Weekly Advisor Meeting Summary (If applicable/optional)

February 24, 2022

As mentioned above, at the meeting with Professor Gaffar, several options were discussed regarding the Com Sci team who is also working on this project. Each option included various levels of coordination and responsibilities between the two teams. Team members decided to reach out to Com Sci team before finalizing a decision.

Professor Gaffar and the team members also discussed creating a project prototype. Professor Gaffar suggested several platforms for creating the prototype and advised team members that a good prototype is as close to reality as possible. Professor Gaffar also emphasized that whichever team made the prototype should not include functionalities that are not feasible.