
EE/CprE/SE 491 Weekly Report #01

Reporting Period: January 25 - Feb 6

Group Number: 05

Project Title: Global Reiman Butterfly App

Client: Nathan Brockman (mantisnb@iastate.edu)

Advisor: Ashraf Gaffar (gaffar@iastate.edu)

Team Members (no roles assigned yet):

Bailey Wanders

Samuel Sells

Johann Guepjob Megaptche

Caleb Donavon

Weekly Summary

This week we started to familiarize ourselves with our project. We reached out to both our client and our faculty advisor and set up a meeting to visit Reiman Gardens and learn more about the existing butterfly tracking app.

At this meeting, present members spoke with our client to gain an understanding of the preexisting app. The needs and expectations of both parties were also discussed. Later in the week, we met as a team to update members who were unable to attend the meeting with the client. During this time, we also established what needed to be done in the upcoming week, and set up regular, weekly meetings to ensure communication between all members.

Accomplishments From Past Week

Establish contact with necessary parties - Bailey Wanders

- Nathan Brockman (client)
- Ashraf Gaffar (faculty advisor)

Schedule meeting at Reiman Gardens - Bailey Wanders

- Coordinate schedules

Attend meeting at Reiman Gardens with Client - (Samuel Sells, Caleb Donavon)

- Attended meeting with our client to go over the project. Went over the current site and talked about what changes should be made for the final product.
- Within the next week we expect to receive access to a few GitHub repositories and sites to begin preparation for the project.
- Notes Discussed:
 - Main Landing page for all butterfly parks participating in the project
 - Way for new parks around the world to sign in and create their own versions of the already existing Reiman gardens page
 - Master account to be able to change and override information if accounts become inactive
 - New pages for the new clients signing up to participate should be customizable and should be semi auto constructing from uploaded data (CSV and others)
 - This was described as as a stretch goal, but a translate feature for the websites from around the world
 - Things like notes should be able to be edited or turned off as each branch sees fit
 - Update gallery and modernize it
 - Current use for shipment uploads and input is clunky and to be revamped
 - Edit button for live shipments
 - Scrollable shipment page
 - Shipments condensed in some way
 - Some sort of feature to keep track of number of butterflies available from shipment on the emergencies page
 - Revamp emergence page so that the two are visually different
 - Liked the clicker method, but willing to try new better methods
 - Voice Command?
 - Utilize stat program made by another senior design team into our web app
 - Modernize layout and navigation

- When sorting butterflies they should be sortable by scientific name and local name
 - Local name can be variable from region to region
- Revamp stat page with new and updated stats that can be customized based on what each facility wants
- Butterfly search
 - Either by a camera (stretch goal with image processing)
 - Or by navigation through a survey of types as outlined in the current system (also stretch goal)

Pending issues (if applicable)

Brainstorm solutions to the above-mentioned problems with the current design and prioritize a list of implementations/ ideas. These should be okayed by the client to ensure that needs are met.

Individual Contributions

Name	Individual Contributions	Hours This Week	Hours Cumulative
Caleb Donavon	Attend a meeting with our client at Reiman Gardens. Obtain information needed to move forward	1.5	1.5
Johann Guepjop Megaptche	Going through project documentation	0.5	0.5
Samuel Sells	Attended Meeting at Reiman Gardens, Reviewed and compiled Information	1.5	1.5
Bailey Wanders	Establish contact with client/advisor, Coordinate meeting times	0.5	0.5

Plans For the Upcoming Week (All team members)

- Establish weekly meeting times for team collaboration, discussion with advisor, and updates with the client
- Continue to familiarize ourselves with the project
- Brainstorm ideas for problems discussed by our client.

Weekly Advisor Meeting Summary (If applicable/optional)

We did not meet with our faculty advisor this week. We are working to schedule a time to meet.