EE/CprE/SE 491 Weekly Report #03

Reporting Period: February 14 - February 20

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**

<u>Weekly Summary</u>

       This week the team went more in-depth with the existing code. This led to research about potential avenues of execution. The team also met with the clients to gain more insight into the project. This included creating a formal list of areas of improvement, discussing the possibility of different user types, and if or how uploaded data needs to be processed. The clients informed us that a previous Statistics group created a way to process the data and produce informative statistics. The team also informed the client that the members still need access to the repository created by this Statistics group. The client specified what elements need to present on the website but otherwise granted complete design control to the team.

       At the weekly team meeting, members completed the Professionalism assignment on Canvas. The team also agreed that since more information had been gathered on the project, a meeting with Professor Gaffar needed to be arranged for advice on the next steps.

Accomplishments From Past Week
- Met with client to create a complete list of areas of improvement for the project - Team
- Browed through current GitHub project and looked into previous backend software used by a previous group - Johann/Bailey
- Discussed whether to build off of current foundation or to rebuild it from scratch- Team
- Determined the software used by the previous senior design team in the form of a PHP web application, angular JS frontend framework and a Laravel supported backend. -Sam
- Became familiar with all of the above-mentioned items- Sam
- Researched new tools that could be helpful in providing the revamped appearance as requested by the client. These include Bootstrap 4, Font Awesome, and jQuery.
- Discussed with a member of the Com S team what their experience so far has been working on the project. They decided to start from scratch and use React and typescript. - Caleb

Pending issues (if applicable)
- Need to be granted access to the GitHub repository created by the previous Statistics group that worked on this project. The client is aware of this issue and is working to grant access to team members
- Leaning towards rebuilding the web application, but going to meet with the faculty advisor to determine the necessity for this.

Individual Contributions

Name	Individual Contributions	Hours This Week	Hours Cumulative
Caleb Donavon	Meeting with the client. Looked through the code from a previous group on Github and took a look at what we could use for the site.	3	5
Johann Guepjop Megaptche	Meeting with the client, went through the existing GitHub project to understand current code and possible changes	2.5	5.5
Samuel Sells	Meeting with the client, researched current and potentially new avenues of development.	3.5	6.5
Bailey Wanders	Meeting with the client, researched work done by previous groups, team meeting	3.5	7.5

Plans For the Upcoming Week
- Organize plans and goals for the upcoming weeks
- Gain access to Statistics GitHub Repository
- Meet with faculty advisor
- Determine whether to scrap the current foundation or build off of it
- Continue researching potentially advantageous developmental tools.
- If remaking the web app, determine what language/ languages and development environment we want.
- Continue communicating with the ComSci team

Weekly Advisor Meeting Summary (If applicable/optional)
The team did not meet with Professor Gaffar this week. A meeting will be arranged next week now that team members have more information from the client regarding project goals