

Butterfly Longevity Tracker

Weekly Report 2 (9/20/24 - 9/26/24)

Project Information

- Project Title: Global Butterfly Longevity Tracker
- Group Number: sdmay25-03
- Client: Nathan Brockman
- Advisor: Maruf Ahamed
- Team Members:
 - Alex Herting - Full-stack Engineer
 - Andrew Ahrenkiel - Full-stack Engineer
 - Charles Dougherty - Frontend Developer
 - Jaret Van Zee - Backend Engineer
 - Carter Awbrey - Visionary

Summary

The main objectives of this week were to provide an initial project proposal to our client as well as make sure everyone is set up within gitlab. We completed both of these tasks as well as completed our product research that was assigned in class. We did quite a bit of research to decide on frameworks that we plan to use in our project. There were some changes made to the structure of the project, as we were able to reduce the number of pages from the original design by combining and simplifying redundant pages.

Accomplishments

- Alex

- Participated in product research by finding innovative solutions that already exist to the problems that we are tackling.
- Contributed to the project proposal that we presented to our client.
- Brainstormed and presented new ideas on how the project structure could be improved from our initial design.

- Andrew

- Researched potential new/existing solutions to contribute to the product research documentation.
- Contributed to the project proposal along with researching technologies to use and include to best fit the project needs.
- Collaborated with the team to discuss potential technologies that we could use, specifically for backend and database performance.

- Charles

- Collaborated on a project proposal to prepare Google slides to show during our presentation.
- Discussed and presented different ideas on how to handle different aspects of our project
- Installed and explored different software options to be used to fit our project needs effectively

- Jaret

- Worked with team to develop a project proposal to present to our client to discuss about possible methods of implementations and other ideas.
- Began researching possible technologies that will likely be used
- Met with client to discuss our proposal and gather feedback from him about changes to be made

- Carter

- Helped facilitate and plan the meeting of our team in order to discuss product proposals for the client.
- Analyzed the previous product for problems and areas of improvement.
- Worked with a team to create a presentation for our client that presented our ideas for the product.

Pending Issues

- Setup project website and GitLab
 - Add Project Description
 - Add Team Information
- Exporting the figma board into HTML code
 - pxcode
 - Ensure the Figma board can properly be exported to html and keep the mobile/desktop styling.
- Create project timelines
 - Use GitLab to properly set up project timeline and issue board
- Meet with Maruf to keep him updated on progress, also establish a timeline with Maruf for project progress when technical work starts to be addressed.

Individual Contributions

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Alex Herting	Product research, project proposal, and overall structural improvements	3	9
Andrew Ahrenkiel	Product research, project proposal, and technology research for use cases.	3	9
Charles Dougherty	Project proposal, Software Planning, Project analysis and restructuring	3	9
Jaret Van Zee	Project proposal, product research, researching technologies	3	9
Carter Awbrey	Product Research, Project Planning and Project Proposal	3	9

Future Plans

The team will meet within the next few days to assign work for our pending issues. The main task will be to export the figma board into our gitlab repository. This will allow us to easily set up a baseline for our frontend. We will want to create our frontend within docker so that we can easily export the project. For the backend we will create the structure as well as look into setting up the database in MongoDB.

Client Meeting Summary

On Monday (9/25/2024) we met with our client and presented our ideas for how we could make the project work as well as some changes that we think could improve the original design concept given to us. We received very positive feedback and he is on board with the direction we are approaching the project from. He approved of our user hierarchy as well as provided clarification on each user types access and permissions to the application. We discussed more logistics on how we can make this work for many butterfly exhibits with varying tagging systems. To make sure that we cover each possible system, he provided us with the unique ways that each exhibit uses to tag their butterflies. We planned a meeting for 10/8/24 to check in on progress with the ability to meet sooner at our discretion.