

EE/CprE/SE 492 Bi-WEEKLY REPORT 1

2/3/23 – 2/17/23

Group number: sdmay23-12

Project title: Unified Butterfly Recorder Reboot

Client &/Advisor: Nathan Brockman & Diane Rover

Team Members/Role:

Timothy Ellis - *Frontend*

Ryan McNally - *Backend*

Anthony Mazzie - *Backend*

Lucas Onwu-Chekwa - *Frontend*

Zach Wingert - *Frontend*

Jeremy Marchesani - *Frontend*

Grace Wigen - *Frontend*

(All the above information should be there in each weekly report. The format/color scheme etc need not be the same. However, please remove everything that is in a bracket from your final submission. These are just part of the template and need not be a part of the report.)

- **Weekly Summary** (*Short summary about what the group did for the week. This should be about a paragraph in length. These are just a few questions to help you get started. What was the overall objective for the week? In general, what tasks were completed? Were there any changes made to the project?*)

The overall objective for our team has been to race to a minimum viable product so that our client can get something into his hands as soon as possible. For us, this has looked like quickly implementing some wireframes, developing many of the frontend screens and the use case flows, finalizing authentication, and starting work on how we want to move data within the app and to and from the backend.

- **Past week accomplishments** (*Please describe/summarize as to what was done, by whom, when and, collectively as a group. This should be about a paragraph or two in length. Bulleted points are acceptable as well. Please keep only your technical details related to your project. Figures, schematics, flow diagrams, pseudocode, and project related results are acceptable, but please ensure that they are legible (clear enough to read) and to provide an explanation. If researching a topic, please add a few details about what was learned and how it is relevant to the project. If two or more people worked on a single task, be sure to distinguish how each member contributed to the task. Specific details relating to the assistance provided to other members may be included here. **Do not include classwork, such as individual reflection assignments, and group meetings as part of your duties.***)

Timothy Ellis:

- Created the wireframe for the active survey page within Figma
- Set up my development environment
- Created the first draft/implementation of the active survey page.
- Reviewed 3 or 4 merge requests

- Discussed and wireframed the next batch of features for the app

Grace Wigen:

- Created wireframe for list management pages in Figma
- Set up development environment
- Created rough draft for list management page
- Reviewed a couple of merge requests

• Ryan McNally:

- Wireframe homepage in Figma
- Set up Google Cloud account
- Set up Open Weather account
- Tested and setup openweather api calls
- Working on finishing settings page for front end
- Met with client to set up AWS cloud console

Anthony Mazzie

- Wireframe profile page in Figma
- Retrieve AWS creds, set up team AWS access
- Upload prototype code to new Git
- Started building pipeline
- Set up Survey + List API's and Lambda Functions
- Set up 3 DynamoDB Tables
- Imported 2400+ regional butterflies to DynamoDB List Table
- Reserved domain www.unifiedbutterflyrecorder.com
- Deployed to new domain www.unifiedbutterflyrecorder.com
- Added Chekwa to team website
- Authentication front-end error handling
- Wrote forgot password function and error handling
- Connected Lambdas to API and Database via AWS IAM Permissions/Policies
- Wrote several Postman requests to test API's
- Assisted team members

Lucas Onwu-Chekwa

- Created Wireframes in figma
- Implemented login, signup, survey details pages in react
- Implemented the top and bottom nave bar in react
- Refurished the routing for the web app
- Reviewed multiple merge requests
- Inspected each page to figure out what data was needed

Zach Wingert:

- Created the sightings page
- Created createSurvey page
- Adjusted a bit of the button flow
- Reviewed merge requests
- Began tackling how pages interact with each other

Jeremy Marchesani:

- Created profile page
- Created edit profile page
- Created sighting details page
- Reviewed merge requests
- Worked with Tim and Zach about logistics between active survey page, pause button, sightings, and sighting details page

- **Pending issues** *(If applicable: Were there any unexpected complications? Please elaborate.)*
 - Team Member 1: Worked on...
 - Team Member 2:
 - Team Member 3:
 - ...
- **Individual contributions** *(Creating this section is optional, but it is **Required to include the "Hours Worked for the Week" and their "Total Cumulative Hours" for the project for each member somewhere relevant in your report. Your individual weekly hours should be at a minimum of 6-8 hours for this course. So please manage your time well. Also, ensure that individual contributions support your claim to the weekly hours. Be honest with the reports.***)

| <u>NAME</u> | <u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i> | <u>Hours both weeks</u> | <u>HOURS cumulative</u> |
|-------------------|--|-------------------------|-------------------------|
| Timothy Ellis | Figma frames, active survey page, merge requests | 14 | 14 |
| Grace Wigen | Figma frames, drafts of Lists page, learned how to use IndexedDB | 8 | 8 |
| Ryan McNally | Figma, settings page, creating google + weather api account, testing api calls, meet with client for AWS creds, review MRs | 10 | 10 |
| Anthony Mazzie | Forgot password function, authentication error handling, pipeline, backend infrastructure setup (API/Lambda/DB/etc) | 15 | 15 |
| Lucas Onwu-Chekwa | Figma frames, login, signup, navbars, survey details page, routing, pipeline runners, merge requests | 12 | 12 |
| Zach Wingert | Create Survey page, Sightings page, button flow, merge request | 14 | 14 |

| | | | |
|-------------------|--|----|----|
| Jeremy Marchesani | Profile/edit profile page, sighting details page, merge requests | 11 | 11 |
|-------------------|--|----|----|

- **Comments and extended discussion** *(Optional)*
Feel free to discuss non-technical issues related to your project.
- **Plans for the upcoming week** *(Please describe duties for the upcoming week for each member. What is(are) the task(s)?, Who will contribute to it? Be as concise as possible.)*

Timothy Ellis:

- Butterfly Favorites functionality
- Pause Functionality
- Adding to a survey data object
- Review Merge requests

Grace Wigen:

- Make the list page more visually appealing
- Figure out how to make IndexedDB persist even if the user clears their cache
- Populate the list page with actual lists and not dummies
- Create in-app list entry editor (will probably need updating throughout the duration of this project)

Ryan McNally:

- Research properties of Contigo UserPool vs DynamoDB users table
- Work with Anthony to develop API gateway and lambda functions to access DynamoDB
- Review merge requests
- Work on using GitLab pipeline to deploy to AWS

Anthony Mazzie:

- Write code for Lambda Functions
- Discuss "imported_butterflies.csv"
- Continue building API's and mocking/testing them with Postman
- Modify front-end components to map over lists rather than static objects
- Assist team members

Lucas Onwu-Chekwa

- Implement more pages
- Start linking pages with the backend apis
- Merge Requets

Zach Wingert:

- Work on showing/hide certain buttons based on the status of the survey
- Begin pulling data across pages
- Learn how to grab data from the db and use in the app

Jeremy Marchesani

- Search for butterflies during active surveys
- Link pages with data from api
- Help redesign home page

○ **Summary of weekly advisor meeting** *(If applicable/optional)*

(Provide a concise summary on the contents and progress made during the advisor meeting.)

During the past two meetings, we have spent most of the time discussing use cases and requirements for the app. We have also been demoing wireframes and implemented screens as we go. Another task has been working with Nathan to set up Reiman Gardens AWS credentials. We have also brought our client and advisor into our preferred group chat, so that we can request feedback or information from them outside of regular meeting hours.