Report 14 - FLUTR
FALL SEMESTER 2024

CLIENT: MR. NATHAN BROCKMAN
ADVISOR: DR. DIANE ROVER

Group Members

Amanda Friis - Full Stack Developer, Documentation

Tayler Barnhart - Team Leader

Nathan Geater - Full Stack Developer (Front End)

Alex Brown - Full Stack Developer (Front End)

Muralikrishna Patibandla - Integration & Back End Developer

Piper Ideker - Test & Quality Control Engineer

4 - 31 October 2024

Summary

Over the last 4 weeks, our group has done the vast majority of our project. On October 30th, we had a large demo to our client, in which we showed him a complete working application with the features he needs before showing it at a conference the following weekend (Nov 1-3). We have had multiple team meetings together to get both the frontend and backend done and in a place ready for our client. We will continue adding to the application in November and December for guest interactions, but laboratory and organization control work has been completed. This is our largest report block to date.

Recent Accomplishments

- Amanda Friis - Complete implementation and integration of multiple pages. Worked with Alex for bug fixes. Lots of design and UI improvements.

- Tayler Barnhart - Facilitated all cloud work and integration to an internet connection. Created basic logging for the backend, and created a system for hosting butterfly photos on the cloud. Ran meetings and checked in with team members to make sure we are on track. Github logging and debugging.
- Nathan Geater - Collaboration on design decisions for integrating front end and back end
- Alex Brown - Lots and lots of Frontend/Backend Integration. Creation of Supplier Creation Pages and Employee Roster Page. Lots of bug fixes and coordination with Amanda and Murali to work on these bugs.
- Muralikrishna Patibandla - Completed almost the entire backend structure, including database architecture/implementation. Integration with frontend and the cloud, implementing file uploads and proper null/error checks. Large number of bug fixes and QOL updates, in addition to proper documentation of APIs for integration.
- Piper Ideker - Unfortunately nothing due to the demo needing to be finished by November 1st.

Upcoming Plans

- Amanda Friis - Continue working on quality of life and UI/UX improvements.
- Tayler Barnhart - Continue integrating on the cloud, add detailed logging to the system, add environment variables into the system.
- Nathan Geater - Help complete frontend pages, finish all remaining pages, complete non-functional requirements
- Alex Brown - Get all pages functioning, pretty and cleaned up. Establish proper website flow and protect pages accurately.
- Muralikrishna Patibandla - Continue fixing bugs, provide APIs for frontend to develop statistics page with, superuser access methods, better security for exposed APIs.
- Piper Ideker - Since the demo is about to be finished, I plan to test the organization set up page first since that'll be the most important to look at while our client gets more organizations involved after the demo.

Individual Accomplishments

Name	Individual Contributions	Hours this period	Hours cumulative
Amanda Friis	Frontend integration and design for view shipments, releases, edit shipments, add shipments.	110	165
Tayler Barnhart	Cloud integration, team oversight, basic bug fixing	85	179
Nathan Geater	Frontend design	12	61
Alex Brown	Frontend Integration and new Page Creation. Lots of it.	120	222
Muralikrishna Patibandla	Backend and database completion, integration with frontend and cloud	110	201
Piper Ideker	Familiarized myself to the project structure	2	64

Advisor Meeting Summary

We have had multiple meetings with our advisor and client this month, primarily to go over new page additions to the website and checking with the client to make sure the design is what he wants. Meetings have also included backend to frontend design collaboration for finalizing design and API communications, as well as demos to the client and advisor.