
sddec22-01 | Jack-o-Lantern Tracker

Weekly Report 11

08/28/2023 - 09/10/2023

Client

Nathan Brockman

Advisor

Judith Islam

Team MembersKyle Goben – *Team Lead, Frontend*Kiara Sta. Maria – *Frontend*Omar Muhammetkulyyev – *Backend*Phuoc (Johnny) Nguyen – *Backend***Weekly Summary**

Over the last two weeks, our project underwent significant enhancements, including code migration to GitHub for better collaboration, setting up CI/CD with Vercel for streamlined deployments, transitioning to Supabase for improved database management, and implementing a secure admin event management interface. These changes optimize our project's efficiency and security. Our immediate focus is on feature development, rigorous testing, and preparation for upcoming milestones as we continue to strive for project excellence.

During the week of August 29th, on Tuesday, we had a meeting with Nathan. We presented the significant improvements we've made to enhance the project's overall quality. We highlighted the technology stack we've implemented and discussed the cost reductions achievable through this approach. Nathan shared his expectations and outlined specific changes he believes would further enhance the user experience.

During the week of September 5th, on Tuesday, we had a meeting with our advisor. We discussed our project's progress, current status, and our goal to test it during the "Spirit in the Garden" event in October. We acknowledged the challenge of testing in a short time but recognized the benefits of doing so. Our advisor emphasized the importance of quality testing and the need for time and attention to detail. However, she supported our goal and suggested we maintain regular bi-weekly meetings on Tuesdays to ensure progress.

Past Week Accomplishments

Migrated to Vercel & Supabase:

- Move the code from GitLab to GitHub for better CI/CD support.
- Set Up the auto-deploy code from GitHub to Vercel.
- The code is up and running on <https://gourdguardian.vercel.app/>
- Move the database from MySQL to Supabase (PostgreSQL).
- Authorize the user to log in during the event.
- Secured the admin login.

Update the existing data:

- Change the database design to match the user's needs.
- Add 400 new stencils to the database.
- Checking for the consistency of stencil status (week 1 & week 2) with the stencil ID.
- Create CSV file for easy import/backup/restore data.

Create event management webpage:

- Get admin interface available for use with user login.
- Create basic components and buttons to toggle week, year, & stage.

Pending Issues

- Have status login screens and all functionality finished for volunteer and admin for necessary functions.
- Extensive testing week leading up to October 4th to be ready for volunteers.
- Bug fixes.
- Improvements/modifications for any feedback.

Individual Contributions

	Tasks Accomplished	Hours since last report	Hours total
Kyle Goben	<ul style="list-style-type: none"> • Meeting with the team, client, and advisor. • Report 11 • Migrated app to Vercel and Supabase • Set up tokens to connect backend and frontend interface • Enabled and set up RLS on backend with security in mind • Created admin dashboard • Creating dynamic filtering and display for status data • Created dynamic search on data by matching values • Created quick add feature for stencil status • Created control lock screen for volunteer logging • Updated formatting and theme of admin display • Handle user and Volunteer login for RLS security • Store users name by cookie to identify Author of pumpkin • Implemented pagination for the 1600 results for performance • Create progress bar to show overall event status • Create detailed demo and meeting notes for the client meetings • Optimizing workflow and db queries 	75	158
Omar	<ul style="list-style-type: none"> • I couldn't do anything since the start of the semester due to medical emergencies 	0	67
Kiara Sta. Maria	<ul style="list-style-type: none"> • Meeting with the team, client, and advisor. • Fixing/Enhancing the overall UI in both mobile and web browsers. • Weekly report 11 (client meeting summary). 	12	80
Phuoc Nguyen (Johnny)	<ul style="list-style-type: none"> • Meeting with the team, client, and advisor. • Updating the database with the latest stencil list. • Matching the current stencil status for week 1 & 2. • Create CSV files with data & import them to Supabase. • Testing the admin interface for event management. • Fix minor issues in the code. • Weekly report 11 (advisor meeting summary). 	16	84

Plans for Coming Week

- Continue to optimize the admin dashboard and volunteer side of the app
 - Includes looking at the initial render
 - Look into all db queries and be sure that they are necessary
 - Improve code performance
- Format Volunteer screens for ease of use on the phone
- Look into reconfiguring authentication for CLS on the status table
- Followup with the client before the next scheduled meeting to get extra client feedback
 - Begin implementing any feedback we may receive
- Ensure entire dataset integrity for status and stencil data
- Rename and format stencil images/pdf
- Create stencil data edit screen for things like title, sid, website, etc
- Create reports for current status data
 - Things like how many stencils are left
 - ETA on how long is left to finish the process

Summary of Client Meeting

August 29, 2023

Here are some notes from the previous client meeting when we showed our status and the plan for this semester:

- **Technological Enhancements:** we highlighted significant technological improvements made in the last two weeks, including the migration of our code to GitHub, the implementation of a Vercel-based CI/CD pipeline, and the transition to Supabase for database management. These changes ensure a more efficient, collaborative, and scalable development environment.
- **Cost Reduction Analysis:** We presented a cost reduction analysis, demonstrating how our streamlined processes and improved technology stack can lead to substantial operational cost savings. Nathan expressed enthusiasm for these potential financial benefits.
- **User Experience Enhancements:** Nathan shared his expectations for the

project, emphasizing the importance of user-centric design. He proposed changes aimed at improving usability and functionality, which we have committed to incorporating into the project's roadmap.

- ***Bi-Weekly Progress Meetings:*** To maintain open communication and alignment on project goals, we mutually decided to hold bi-weekly meetings. These meetings will facilitate progress updates, issue resolution, and ongoing collaboration, ensuring that the project evolves in line with Nathan's vision and user expectations.

Summary of Advisor Meeting

September 5, 2023

During our meeting with our advisor, we provided an update on our project's progress over the past two weeks. The key points discussed include:

- ***Technological Enhancements:*** We highlighted significant improvements, such as migrating our code to GitHub, implementing CI/CD with Vercel, and transitioning to Supabase for database management. Our advisor recognized the potential for these enhancements to enhance project efficiency and scalability.
- ***Project Timeline and Testing:*** We reiterated our goal to test the project during the "Spirit in the Garden" event in October. While acknowledging the challenges of this timeline, we discussed the importance of rigorous testing and potential adjustments to the project schedule if necessary.
- ***Bi-Weekly Progress Meetings:*** To maintain consistent guidance and progress tracking, we and our advisor agreed to hold bi-weekly meetings. These meetings will facilitate ongoing discussions and ensure we remain on track.