
sddec22-01 | Jack-o-Lantern Tracker

Weekly Report 12

09/11/2023 - 09/24/2023

Client

Nathan Brockman

Advisor

Judith Islam

Team Members

Kyle Goben – *Team Lead, Frontend*

Kiara Sta. Maria – *Frontend*

Omar Muhammetkulyyev – *Backend*

Phuoc (Johnny) Nguyen – *Backend*

Weekly Summary

Over the last two weeks, we successfully implemented the "Status" site for admin use in our web application, a crucial component for the upcoming event. In parallel, we initiated performance optimization efforts to enhance data loading speed and reduce stencil file sizes to comply with Vercel's 1 GB free storage limit.

During the week of September 12th, on Tuesday, we had a meeting with Nathan and Kathleen. We presented the "Status" page and showed them the enhancement in the overall performance of loading data. Nathan and Kathleen provided their feedback led to the identification of key improvements, which we are committed to implementing ahead of this year's event to ensure an exceptional user experience.

Our development team is currently prioritizing the integration of client-suggested improvements and addressing missing data issues. We remain on track to meet the project timeline, with the primary objective of delivering a fully optimized web application well in advance of the event.

Past Week Accomplishments

Update event management webpage:

- Our team optimized data loading from the database, ensuring that information retrieval is swift and efficient.
- Implemented additional data filters to provide users with more options for refining their search results, enhancing the user experience.
- In response to client feedback, we made several UI enhancements, including color adjustments, button removal, and other adjustments tailored to meet specific client requests.

Update the existing data:

- Change the database design to store the stencil PDF files.
- Research on different ways to compress PDF files for optimal storage.
- Compress over 1300 PDF files with 1,1 GB data to 120 MB and upload to the Vercel server (Vercel provides free storage up to 1 GB).
- Create mini tools to rename and check missing PDF files.
- Checking for the consistency of stencil status (week 1 & week 2) with the stencil ID. (ongoing)
- Create CSV file for easy import/backup/restore data. (ongoing)

Pending Issues

- Develop and implement the stencil hover feature (hover stencil name to show PDF).
- Prioritize the completion of the admin "Status" page before October 4th.
- Conduct a thorough analysis to identify and recover missing stencil PDF files.
- Collaborate with the client to rectify inconsistencies in the database.
- Modify the application to accommodate duplicate stencil data. (new issue)
- 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 and clients. ● Weekly report 12. ● Optimized the overall performance of the web app. ● Modify dynamic filtering and display for status data ● Optimize the search on data by matching values ● Updated formatting and theme of admin display ● Update the progress bar to show the overall event status with more details. 	28	186
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 and clients. ● Continue fixing the UI in both mobile and web browsers. ● Weekly report 12. 	10	90
Phuoc Nguyen (Johnny)	<ul style="list-style-type: none"> ● Meeting with the team and clients. ● Compare and check missing stencil data. ● Compress the stencil files to under 1 GB for the Vercel server. ● Create mini tools to keep track of missing PDF files and rename the stencil files. ● Weekly report 12 (client meeting summary). 	22	106

Plans for Coming Week

- Continue to optimize the admin dashboard and volunteer side of the app
 - Adjust the admin UI per user's request
 - Add the "Hover to show image" feature to the webpage with a toggle (on/off).
 - Improve code performance
- Format Volunteer screens for ease of use on the phone
- Look into reconfiguring authentication for CLS on the status table

- Follow up with the client before the next scheduled meeting to get extra client feedback (Continue implementing any feedback we may receive).
- Ensure entire dataset integrity for status and stencil data (ongoing)
- Create stencil data edit screen for things like title, sid, website, etc (not started yet)
- Create reports for current status data
 - List of missing PDF files
 - ETA on how long is left to finish the process

Summary of Client Meeting

September 12, 2023

During the meeting with Nathan and Kathleen, we discussed various enhancements and changes to the current system. Below are the key points and action items discussed during the meeting:

- **Check Cutting/Printing Issue:** the cutting/printing pages are not displaying data correctly. This issue needs immediate attention to ensure accurate data representation.
- **Confirmed/Not Confirmed Colors:** Nathan thought that the "Confirm" column should have different colors for "Confirmed" and "Not Confirmed" records. This would help him recognize what line of stencil needs to be confirmed more easily.
- **Improved Search Functionality:** Nathan requested an improved search feature that allows users to search by title, sid, cid, and c_name. Additionally, the system should provide suggestions as users type in their search queries.
- **Pumpkin Carving Time Tracking:** Nathan suggested adding a feature to track the time it takes to carve a pumpkin, depending on the year. Admins should have the ability to edit or remove incorrect time entries. Kyle recommended implementing a checkbox system for this purpose.
- **Filters Enhancement:** Nathan proposed removing the "first" and "last" page filters from both the top and bottom of the page for a more streamlined user experience.
- **Item Per Page Limit:** Nathan suggested removing the option for 1800 items per

page, streamlining the user experience by reducing the complexity of choices.

- **Category Display:** Nathan recommended displaying the "Category" information on the back of each pumpkin for the volunteer side of the web application.
- **Stencils Hover Functionality:** Nathan suggested adding a hover feature that displays a picture of the stencil when hovering over its title. This feature should be toggleable for user preference.
- **Carving Progress Tracking:** Nathan proposed implementing a progress bar to track the carving process. This should include a weekly progress update, matching the progress bar with available filters.
- **Stencils Grouping:** Nathan recommended adding a pop-up box for grouping stencils created by the same individuals. He needs a "Quick Add" feature to add new records quickly during the event.
- **Social Media Sharing (suggestion):** Johnny suggested adding a frame around pumpkin pictures for online sharing, along with a customizable hashtag. The frame should be updated annually, and users should have the option to share on social media platforms such as Facebook and Twitter.
- **Bulk Confirmation:** Kathleen inquired about the need for a "Confirm All" option, which helps her confirm all the records at once.

Summary of Advisor Meeting

September 19, 2023

- There is **no** advisor meeting scheduled for this week due to the Career Fair.