
sddec22-01 | Jack-o-Lantern Tracker

Weekly Report 7

3/21/2023 - 04/02/2023

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**

During the week of Mar. 20th, we met with the Client and presented our existing model of the volunteer's side of the application. We received feedback from Nathan and also discussed the non-functional requirements of the application, such as starting the volunteer screen with “Thank you,” embedding a video tutorial, and addition of extra features like keeping track of the recently used stencils on the admin side. The team also worked on the prototype of the admin screens, mainly focusing on the events dashboard.

During the week of Mar. 27th, we met with our Advisor to discuss the progress of our project. We went over the previous reports and received feedback to correct a few inaccuracies. We were also advised to create an informational document that the newcomers who do not know anything about the event or the application can follow through. Later, when our application nears the end of its development stage, we might get back to the document to update it with more accurate instructions on how to use the application.

Pending Issues

I. Team's Work Progress

- Build up and improve upon the diagrams.
- Continue to create screen sketches for the admin side.
- Decide what project structure model will be used.

II. Individual TODOs

- Kyle
 - Write up a welcome screen
 - Create a page for admin for manual stencil status entry
 - Work with Johnny to make a button to update the stencil status API for volunteer buttons
 - Finish the app to the point of being able to do a full loop of editing status with admin and volunteer
- Omar
 - Review the front-end code and understand how it connects with the database in Next.js
 - Research ways to containerize the backend with Docker
- Johnny
 - Research on implementing the SpringBoot model on the backend side.
 - Research on how to code on React/Next.js.
- Kiara
 - Update screen sketches for the admin side to get feedback before adding more details.
 - Create/update diagrams
 - Compile requirements in a unified, comprehensive document
 - Research on how to code on React/Next.js.

Individual Contributions

	Tasks Accomplished	Hours this week	Hours total
Kyle Goben	<ul style="list-style-type: none"> ● Meeting with the team, advisor, and client. ● Send emails to the Client and Advisor. ● Updated the team website: <ul style="list-style-type: none"> ○ Team description ○ New reports and design documents uploaded ● Met with prof. Mitra to get assistance connecting to MySQL server remotely. After over an hour of troubleshooting, we determined that I should contact ETG <ul style="list-style-type: none"> ○ ETG responded promptly with a working solution ● Successfully connected the frontend to the backend of our app ● Modified front-end code to display the pumpkin information for all screens volunteer side ● Met with Mitra again for ideas with pumpkin identification (AI software, QR code, RFID, etc) <ul style="list-style-type: none"> ○ Have some great idea that needs to be discussed as a team with the client ● Weekly Report 7. 	16	59
Omar	<ul style="list-style-type: none"> ● Meeting with the team, advisor, and client. ● Weekly report 7 (summary) ● Working on the possible API interactions between the backend and the frontend for the admins 	10	47
Kiara Sta. Maria	<ul style="list-style-type: none"> ● Meeting with the team, advisor, and client. ● Editing screen sketches for admin websites. ● Updated the team website. ● Weekly report 7 (client meeting). 	12	50
Phuoc Nguyen (Johnny)	<ul style="list-style-type: none"> ● Meeting with the team, advisor, and client. ● Working on accessing the database from the web server. ● Updated the Figma design for the admin website. ● Weekly report 7 (advisor meeting). 	12	50

Plans for Next Week

Next team meeting on Apr. 4th (Tue) – *Everyone*

- Discuss the work that has been completed since our meeting on Mar. 28th.
- Review the front-end prototype for admin web pages and find ways to make improvements to further develop the design.
- Review the backend side with the overall project structure.
 - Figure out what other handlers we need for the backend admin side
 - Discuss the model that we will use for the whole project
 - Start working on the admin web pages

Next client meeting on Apr. 4th (Tue) – *Everyone*

- Show our admin web page Figma design.
- Ask for possible improvements.
- Questions:
 - Thoughts on “Tent” Style labels
 - Discussion with faculty members deemed accurate AI recognition improbable
 - Overall thoughts on the current design. Go through the process from beginning to end to find any feedback
 - Also, invite Kathleen to give feedback on the current product

Summary of Client Meeting

March 21, 2023

During last week's client meeting, we showed the current design of our application. Some comments and notes he gave us during the meeting includes:

- It was *okay* to start the volunteer screen with a "Thank You"
- Prompt the user if the stencil code they inputted is the same as what's in the back of the pumpkin or cut stencil.
- Change "Cancel" text to "Go Back" in the volunteer logging screen confirmation page
- Hide the Time Elapsed section in the volunteer app so that they will not trace or carve with a timer ticking (resulting into them being pressured to go faster)
- Add necessary "How-To" Embed videos in the volunteer logging screen made by Reiman Gardens staff.
- In the admin stencil library, put counter in category and for different weeks as stencils are being selected for an event.
- It is useful to have a feature to know (sort/filter) which stencils were or were not previously used.
- Use extra large thumbnails (like in File Explorer) for users to browse through when selecting stencils for an event
- *Okay* to have just one account for admins (will just be an internal thing for them)
 - As a result, we don't have to worry about multi-users overriding each other's changes.
- For the cutting phase of stencils, have a QR code printed along with the stencils for easier updating.
- Keep monthly costs to \$15-\$20. Will be beneficial for them to have the ability to pause web services when not used.

The next Client Meeting will be Apr 4th, 2023, at 4 PM.

Summary of Advisor Meeting

March 29, 2023

During this week's meeting, we went over the team senior design websites and weekly reports we had so far and got some feedback from the advisor:

1. **Git Permission:** the team will send an email to request the instructor (Rachel) give permission to the advisor to access our Git Repository.
2. **Documenting the Project:** the advisor suggested that the team should create a comprehensive document that outlines the entire project, including how the system works, who is responsible for every step, and a Spirit of The Gardens event walk-through for the user. The document would be created with the assumption that the user is new and does not know what to do with the system. The team should put everything together into one document and explain in detail to help the new user visualize the whole project and identify any areas that they need to know.
3. **System Testing:** the advisor emphasized the importance of testing the system to ensure that it works as intended. She suggests that our team should ask a friend to test the system to determine if it is functioning correctly or not. She encouraged the team to test the system thoroughly before the deadline.
4. **User Selection for Testing:** the advisor suggested that the team should select a diverse group of users for testing. The users should include people from different backgrounds, both on and off-campus, and other students in school.

The last two advisor meetings will be Apr 12th & 26th at 1 PM.