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**sddec22-01 | Jack-o-Lantern Tracker**

Week 5 Report

2/27/2023 - 03/05/2023

**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**

This week, we met with our Advisor to talk about our project progress. She said that we were in a good place and meeting during Spring Break could just be discussed through email unless we have anything urgent to talk about.

As for the team's work progress, we were able to refine the requirements of our project. Aside from this, there was progress with the backend side where a starter code has been deployed on one of the team's personal server. They were also able to connect to the MySQL database and route requests to appropriate handlers.

## Pending Issues

### I. Team's Work Progress

- Build up and improve upon the diagrams.
- Continue to create screen sketches for the admin side.
- Connect the node server with the database instance hosted on our VM.
- Write a project description to add to the website.

### II. Individual TODOs

- Kyle
  - Generate some template code for each of the admin screens
  - Create mock API requests for each interaction with volunteer section
  - Create formatting for final 2 volunteer screens
  - Prepare a hand off to other members of the team.
    - Bring team up to speed on the process and formatting of the files
    - Demonstrate and teach how to create a screen from bottom up
      - Including routing a button or function to an API route
- Omar
  - Figure out how to access the MySQL database on our VM
    - Currently, the password to the root user is unknown, so I need to reach out to ETG about it.
  - Migrate the backend application from the personal server to our team's VM.
    - Implement more API endpoints for the requests needed by the frontend
  - Research about setting up the Docker Image and how to get the CI/CD working together with Kyle.
- Johnny
  - Connect the node server with the database.
  - Research on how to code on React/Next.js.
- Kiara
  - Get started with initial 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

	<b>Tasks Accomplished</b>	<b>Hours this week</b>	<b>Hours total</b>
Kyle Goben	<ul style="list-style-type: none"> <li>● Meeting with the team and advisor.</li> <li>● Send emails to Client and Advisor.</li> <li>● Updated the team website               <ul style="list-style-type: none"> <li>○ Member names and pics</li> <li>○ New reports and design documents uploaded</li> </ul> </li> <li>● Debugged an api route to interact with button press</li> <li>● Uploaded new docker image to the VM</li> <li>● Adjusting permissions on the VM to give access to team</li> </ul>	6	40
Omar	<ul style="list-style-type: none"> <li>● Meeting with the team and advisor</li> <li>● Implemented the backend starter code using ExpressJS               <ul style="list-style-type: none"> <li>○ Added initial handlers for the volunteer side of the application</li> <li>○ Routed the incoming requests to their appropriate handlers</li> <li>○ Connected the application to the MySQL database</li> </ul> </li> <li>● Deployed the backend application on my personal AWS server temporarily               <ul style="list-style-type: none"> <li>○ <a href="http://3.15.211.45:5000/stencils/">http://3.15.211.45:5000/stencils/</a></li> </ul> </li> <li>● Weekly report 5 (advisor notes)</li> </ul>	10	34
Kiara Sta. Maria	<ul style="list-style-type: none"> <li>● Meeting with the team and advisor</li> <li>● Editing screen sketches</li> <li>● Requirements, Constraints, and Engineering Standards Assignment</li> <li>● Weekly report 5 (summary)</li> </ul>	6	32
Phuoc Nguyen (Johnny)	<ul style="list-style-type: none"> <li>● Meeting with the team and advisor.</li> <li>● Working on creating the connection between the database and the web server.</li> <li>● Research on the CI/CD.</li> <li>● Generated the Report 5.</li> </ul>	6	32

## Plans for Next Week

Next team meeting on Mar. 7th (Tue) – *Everyone*

- Discuss the work that has been completed since our meeting in Mar. 1st.
- Review the front-end prototype and find ways to make improvements to further develop the design.
- Review the backend side with the database connection.
  - Figure out what other handlers we need for backend volunteer side
  - Start working on/playing with the admin side requests

Next client meeting on Mar. 7th (Tue) – *Everyone*

- Show our ER, use-case, and activity diagrams.
- Ask for possible improvements.
- Questions:
  - Will a sort functionality for stencils be useful? If so, what can we sort by?
  - Should admins be able to create account (to track user changes)
    - For example, if there are multiple admin users. need to know who did which change?
    - Aside from this, how to ensure that this website url/endpoint will not be accessible to anyone but the admins...
  - What homepage screen will be useful for the admin-side?
    - Right now, thinking of just displaying the stencils with search box.

**Summary of Advisor Meeting**

*March 01, 2023 (3rd advisor meeting)*

During this week's meeting we went over the reports we had so far and got some feedback on them including changing the line space in the weekly summary to 1.5 for easier reading and not repeating the same objectives as they appear in both pending issues and individual tasks. We should be expecting more feedback from the advisor via email before our next meeting.

We will not have an advisor meeting on Wednesday, March 15, 2023 due to students going out of town for the Spring Break. The next advisor meeting will be on March 29th and it was settled that the concerns could be communicated online, depending on if there's really a need to meet in person, should we encounter any.