

Team 19 (sdmay22-19)

Project Title: Underground Cable Packing Web Tool

Date: 10/3/2021

**Members:**

Alexander Young: DevOps and Systems Engineer

Brevin Wapp: Scrum Master

Haadi Majeed: QA Engineer

Matthew Hoskins: Leader/Time Management

Nate Tucker: Tech Lead

Tom Sun: User experience & Requirements

Quinten Sorice: Client Point of Contact

**What we've accomplished in the past week/what we've been researching:**

Alexander Young - Started initial background research into available technologies that could be used for Continuous Integration and Continuous Deployment for our project, as well as how those technologies can integrate with the project infrastructure and the source code repository. I believe that using Gitlab CI would work for our project, utilizing it's docker container approach to build and test our app in an isolated environment, and then deploying that built app to the project infrastructure.

Brevin Wapp - Met with our client at Alliant Energy to determine requirements. However, after the meeting that ended up revealing a lot of potential problems going forward, we met with Mat Wymore. In that meeting, we were able to filter out what was given to us by Alliant Energy and solidify our requirements and the direction of the project. This allowed us to complete our requirements document along with our lightning talk.

Haadi Majeed - This passing week we have had multiple meetings as a team to continue to develop and refine our project plan. In addition to this, we have met with the client, Alliant Energy, and worked on scheduling further meetings with them. We also met with our advisor, Mat Wymore to clarify the project after meeting with Alliant. In addition to this, I have properly obtained git access. Also worked with part of the team to create the lightning talk for this week.

Matthew Hoskins - Reconfirmed requirements with Mat Wymore, researched engineering standards, confirmed gitlab push and pull capabilities from my personal device. Completed requirements document for submission and finalized with the rest of the team. Worked on requirements and engineering standards lightning talk with the team.

Nate Tucker - This last week, I began R&D on technologies and stacks to use to best suit the project as it stands. I also created a development environment and a modular project structure for devs to work in. With the code we have, I began wireframing functionality based on existing requirements. I am in the process of ensuring each team member has a functional development environment and am continuing to work with them to review and complete any project documentation.

Tom Sun - Reviewed list of requirements provided by Mat Wymore. We have finalized the list of requirements and constraints for the project after the discussion with the team and Mat. Researched into the UI mockup tool Figma and how we could use a tool like that to construct mock-ups and conduct user experience testing.

Quinten Sorice - Coordinated with contacts at Alliant to schedule a meeting with team members to better understand requirements and identify use cases. Adjusted requirements based on input from Alliant and noted that Alliant will circle back with more focus feedback in the next meeting.

### **What we're planning to do in the coming week:**

Alexander Young - In the upcoming week, I will be continuing my research on the technologies, and then potentially starting the integration of those technologies into our project.

Brevin Wapp - In the coming week, I plan on working with the team to further solidify the plan for the project with the project plan assignment. As with every week, work will be made and completed on the weekly assignments.

Haadi Majeed - Continue working with the team on various documentations and create additional tasks for the project in gitlab

Matthew Hoskins - Work on and complete project plan along with the rest of the team. Confirm team's gitlab capabilities, and complete necessary documentation such as weekly report, and related lightning talk.

Nate Tucker - I plan to make sure everyone has a functional development environment and is all squared away on that. I also plan to make our branching strategy and go over style/programming guidelines with the group so all the code is similarly structured and professional.

Tom Sun - I will be communicating with the team about my plans for developing mock-ups and UX testing, since that would be the next big step after the project plan. I'll also be reviewing the project plan assignment and get started on that document.

Quinten Sorice - Schedule another meeting with Alliant contacts to further refine use cases and requirements. Aid in completion of weekly project reports.

**Issues we had in the previous week:**

Alexander Young - No real issues last week, we just need to decide on the types of frameworks and languages we will be using, that way I can better integrate that work into the pipeline.

Brevin Wapp - The direction of the project was called into question after meeting with Alliant Energy, but we were able to define a scope and move forward.

Haadi Majeed - Couldn't access the gitlab properly, had to have my invite revoked and was re-sent before proper access was obtained. Conflicts in scheduling has me taking some calls by phone

Matthew Hoskins - Gitlab functions through a git bash were occasionally unconnectable through an off campus vpn. Had to reconfirm project scope after meeting with an Alliant Energy representative.

Nate Tucker - Because of the nature of the different technologies, operating systems, and development environments, getting an identically working project structure for all members presented some challenges. Versioning of supporting software is going to be a challenge going forward, as well as support on operating systems.

Tom Sun - I had some scheduling conflicts so I wasn't able to attend the meeting with our client. But my team did a good job taking notes during the meeting and I'm caught up on the current status of the project and goals.

Quinten Sorice - Scheduling conflicts with team members has meant that not all teammates have been able to attend every client meeting, though comprehensive meeting minutes bridge the knowledge gap for those that were absent. Scope creep will have to be kept under control as Alliant continues to suggest features.