Team 19 (sdmay22-19)

Project Title: Underground Cable Packing Web Tool

Date: 10/17/2021

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 - I have finished researching the deployment technologies that we could integrate into our project. Additionally, I finished the Functionality section of the design document.

Brevin Wapp - In the last week we have completed the design document, where specifically I worked on the design exploration. In addition, we had our meetings with the professor and the TA where we reaffirmed the direction of our project and its relationship with Alliant Energy.

Haadi Majeed - This past week I have worked on the design document with the rest of the team. Along with this, meeting with the TA and Professor to continue project enrichment and talking with Alliant to keep everyone in the loop.

Matthew Hoskins - Conducted standard weekly meetings with focused intent for the purpose of clearly assessing the actions that need to be taken next and in the future. Work to completion on various project documents that needed to be completed this week including: project design document, weekly report, and weekly presentation (lightning testing). Research toward existing algorithms in a basic sense that will go into more depth in the future. Planned out upcoming documents.

Nate Tucker - Continuing to architect the application overall and decide on branching strategy and deployment strategy for developers. I have also been working on developer standards for the codebase so we have clear, concise, documented, and tested code from start to finish.

Tom Sun - Created some initial diagrams for the design document. Also created the first draft of the UI mockup using figma.

Quinten Sorice - Completed the Prior Solutions and Technical Complexity sections of the design document describing what previous implementations of our app have looked like (namely the Python app), and detailing how our project is technically challenging enough to satisfy us as we design and build the web tool throughout the year. Converted the completed sections of the design document into slides for the weekly Lightning Talk and presented on said talk.

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

Alexander Young - If we get access to the departmental EPRC server that we will use to host the website, I can start preparing the server, and testing the deployment technologies I have been researching.

Brevin Wapp - In the coming week, we plan to finish our testing assignment, update our project plan as more information becomes available to us, and our weekly work with lightning talks and reports.

Haadi Majeed - Continue working on documentation of the project with the team and prepare to do the next week's lightning talk with half of the team.

Matthew Hoskins - For the coming week, work in necessary project documentation such as: testing documentation, weekly report, and testing document presentation (lightning talk). As well as more in-depth research of the existing algorithm, and any meeting that will need to occur.

Nate Tucker - Continue to create and assist in lightning talks as necessary for the group. I also will need to start creating the project in earnest depending on how the Alliant meeting goes if that ever gets scheduled.

Tom Sun - Continue to add more details and revisions to the ui mockups. Run the design by the team to get feedback.

Quinten Sorice - Get back in touch with Alliant to plan a future meeting to flesh out what additional features they expect from the application beyond a conversion of the Python app into a web app.

Issues we had in the previous week:

Alexander Young - For me, finding enough time to work on the project has been difficult. Several projects and labs in other classes have come due this past week, and those sunk a lot of time.

Brevin Wapp - This last week I struggled a little with figuring out how to record and format the lightning talk, particularly working with teammates to determine the gist of the section they transcribed.

Haadi Majeed - Time has been a struggle with 3 large projects due this passing week along with midterms. This upcoming week should have a bit more time.

Matthew Hoskins - I personally, had more time restrictions this week making it more difficult to plan out early meetings with the team for early document creation/work.

Nate Tucker - Allocating time has been a bear this week, as midterms and large projects have prevented me from giving all the time I need to the tasks that need it. I suspect this will not be an issue going forward until finals week rolls around.

Tom Sun - It was more difficult to actually make designs using figma than I anticipated. There was a lot of trial and error and it took more time than planned. But I did get the drafts done.

Quinten Sorice - Time management was tougher than usual this week with midterm exams and projects, so I was able to devote less time than usual to this project compared to normal weeks. The coming weeks are lighter on projects and exams, however, so this issue will not persist.