EE/CprE/SE 491 WEEKLY REPORT 9

November 8th, 2024 - November 14th, 2024

Group number: sdmay25-43

Project title: GridAI

Client &/Advisor: Dr.Gelli

Team Members/Role:
- *Skyler Kutsch_____Record Keeper*
- *Franck Biyoghe Bi Ndoutoume_____Test Lead*
- *Hang Kim Thang_____Cyber Security Lead*
- *Jesus Soto_____Team Organizer*
- *Justin Soberano_____Component Design Lead*
- *Rangsimun Bargmann_____Role Manager*

Weekly Summary
This week we worked on our action items and prepared for our lightning talk presentation. Multiple team members are starting to work with the backend services through API calls. Along with accessing the backend services we are starting to create docker files for each of our action items.

Past week's accomplishments
- *Skyler Kutsch - Fixed the many bugs that arose after implementing the zoom function and settings component. Fixed window resizing which has been a persistent issue. Improved settings component design and added features like adjusting the way the diagram is generated and uploading JSON files of node data.*
- *Franck Biyoghe Bi Ndoutoume - Enable user-selected text commenting functionality, similar to Google Docs, where users can highlight text and write comments.*
- *Hang Kim Thang - Created timeline and pushed code to make sure everything in the pipeline is working properly.*
- *Jesus Soto - Designed the backend structures to store and fetch widget data using new widgets API routes and an appropriate JSON with common widget characteristics.*
- *Justin Soberano - Worked on the figma designs for the DERA POV for the market dashboard and bidding system. Implemented a bidding system where DERAs can create bids and manage their bids for the day ahead.*
- *Rangsimun Bargmann - focused on implementing functionality into the dashboard modeled from ThingsBoard's dashboard. Implemented adding a new dashboard,*

importing and existing dashboard, and adding an "edit mode" to the dashboard which allows the user to edit the dashboard when this mode is toggled, otherwise only viewing is allowed.

Plans for next week
- ***Skyler Kutsch*** *- Adjust the design of the single-line diagram to more closely resemble an electric circuit single-line diagram design.*
- ***Franck Biyoghe Bi Ndoutoume*** *- Enhance the visual design of comments for improved readability and user experience*
- ***Hang Kim Thang*** *- I will be working on the playback button, the right navigation to be more dynamic, and CSS for UI/UX enhancements.*
- ***Jesus Soto*** *- Implement the backend API routes within docker-compose for easier integration into the current backend side of the project.*
- ***Justin Soberano*** *- Create Dashboard POVS for DSOs and ISOs. Have some sort of first interaction design implemented on the VM.*
- ***Rangsimun Bargmann*** *- Need to continue adding features that are present in ThingsBoard to the dashboard such as exporting a dashboard and changing to other dashboards while viewing a dashboard. Additionally, I plan on focusing on improving the UI to resemble the figma designs.*

Pending issues
- None currently

NAME	Individual Contributions *(Quick list of contributions. This should be short.)*	Hours this week	HOURS cumulative
Skyler	Fixed all known bugs, improved and added settings features and design.	6	50
Justin	Completed the figma designs for the DERAs POV of the dashboard. Implemented the DSO and ISOs POV of the dashboard	6	50
Rangsimun	Added functionality to the GridAI dashboard such as adding a new dashboard, importing a dashboard, and the "edit mode" for adding widgets and editing the layout of a dashboard.	6	49

Franck	Enable user-selected text commenting functionality, similar to Google Docs, where users can highlight text and write comments.	6	44
Jesus	Designed backend API routes for widgets using an appropriate JSON to save and fetch data.	6	50
Hang	Completed timeline display, currently working on a playback button which allows user to rewind the data.	5	37

Summary of weekly advisor meeting

Meeting Notes 9

Team meeting:

- Discuss our lightning talk, there is some confusion about whether we are presenting this week since last week's lightning talk was canceled and we signed up to go after that team.

Advisor Meeting:

- Jesus: create docker for UI backend API calls

- Skyler: Add docker file/ dockerDB, Needs to look like the circuit diagram, Get better icons for electrical circuits

- Hang: playback mode