

EE/CprE/SE 491 WEEKLY REPORT 10

November 15th, 2024 - November 21th, 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

Team Meeting

- Planned our speaking and presenting parts for our lightning talk
- Discussed the upcoming faculty meeting and the steps we need to prepare
- Solved merge conflicts and merged our separate action item branches into a new dev/staging branch

This week in class we presented our lightning talk and received feedback from the class and the professors that will help us prepare for the faculty presentation.

Past week's accomplishments

- **Skyler Kutsch** - Designed and implemented new icons, collapse feature for info components, and "show file" button. Met with Dr. Gelli to get a new JSON schema that will more accurately represent the final product.
- **Franck Biyoghe Bi Ndoutoume** - Enhance the visual design of comments for improved readability and user experience and implemented a ChatBox and sidebar feature.
- **Hang Kim Thang** - Timeline component improved CSS and created playback mode allowing users to rewind on the map.
- **Jesus Soto** - Continued to work on backend API calls to manage widget data. Created a docker file to better integrate that data into the actual GridAI backend.
- **Justin Soberano** - Finished implementing the figma designs for the DSOs and ISOs for the bid submission and the real time process

- **Rangsimun Bargmann** - added additional functionality to the dashboard such as sorting the list view of dashboards by created time and name and added a search bar to dashboard list view. Additionally, improved the UI on the dashboard view to better resemble Thingsboard. Also added the ability to export a dashboard.

Plans for next week

- **Skyler Kutsch** - Implement new JSON schema and plan new features to go with new parameters like kW or capacity. Implement MongoDB database into the SLD app with docker file and endpoints for storing any data needed.
- **Franck Biyoghe Bi Ndoutoume** - Enhance the visual design of File Explorer and Chat-Box Position for improved readability and user experience.
- **Hang Kim Thang** - For playback mode, users are able to select the time range and I planned to make more improvements on CSS; I want better UI/UX.
- **Jesus Soto** - Ensuring that widget data management works as expected from the backend with different types of testing.
- **Justin Soberano** - Start revising the first implementation of the figma designs to improve and make it more user friendly.
- **Rangsimun Bargmann** - work on widget customization and storing dashboard data in the backend.

Pending issues

- Creating backend databases to store persistent data for our action items.

<u>NAME</u>	<u>Individual Contributions</u> <i>(Quick list of contributions. This should be short.)</i>	<u>Hours this week</u>	<u>HOURS cumulative</u>
Skyler	Added more accurate icons that render based on the number of edges, added collapse to components, and show current file buttons for added functionality. Meeting with Gelli to discuss changing the JSON schema to add busbars to the SLD.	6	56
Justin	Created designs for the ISOs and DSOs dashboard. Created a new type of design for the DERAs for the real time process to allow for cycles to be made depending on the time of day and what intervals were selected.	6	56
Rangsimun	Added additional functionality to the	6	55

	dashboard (sort by created time and name and search and added the ability to export a dashboard). Also improved the UI of the dashboard view.		
Franck	Enhanced the visual design of comments Enabled multi-user visibility on file comments, allowing all users accessing the file to see and interact with comments in real-time. Implemented a chat box for conversations between users in real time. Implemented a sideBar navigation for File Explorer and ChatBox.	7	51
Jesus	Created the docker file system to integrate widget data into GridAI's backend.	6	56
Hang	Updated timeline component and created playback mode.	7	44

Summary of weekly advisor meeting

Advisor Meeting

- ALL: rename branch to name/item
- WIDGETS: Create new folder in branch named backendCode, create docker folder widgetAPI, route widget API routes through new backendCode folder. backendCode folder is actual backend, folder needs to be on top layer with script and ui folders, create your own database in docker (mongoDB or anything), email dr gelli when its done.
- WIDGETS: "data pipeline stuff"
- CHATBOX: need database to store comments