

EE/CprE/SE 491 WEEKLY REPORT 8

November 1st, 2024 - November 7th, 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 all merged our separate branches, which contained our action items separately, into a dev branch. The purpose of the dev branch was to merge all our projects together without conflict or to resolve any merge conflicts in that branch before pushing to the main branch. We successfully merged the projects without any conflicts. We are now working on one unified project for the most part, some aspects of the project are not fully implemented on the project dashboard yet.

Past week's accomplishments

- **Skyler Kutsch** - Merged project into main project branch, added functionality to switch between JSON files from user side/browser, added dynamic updating for components, zoom feature for graph.
- **Franck Biyoghe Bi Ndoutoume** - Implemented a feature for users to have the ability to open a new tab and delete them.
- **Hang Kim Thang** - Implemented a Timeline component, worked a little of the right navigation and pushed all the code to git.
- **Jesus Soto** - Implemented a widget customization page prototype inspired by the thingsboard in visuals and functionality. Merged all the updated code to the main branch of the repository.
- **Justin Soberano** - Implemented the dashboard and bids list for DERA stakeholders. Added filtering to the bids list and examples onto the dashboard for now.
- **Rangsimun Bargmann** - implemented a list view of dashboards for user and functionality

to support multiple dashboards per user. Additionally, looked at using Mantine library to improve the UI and look of the dashboard.

Plans for next week

- **Skyler Kutsch** - Fix window sizing and known issues with current features.
- **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** - To Improve UI/UX for right navigation, will be working on Timeline still, and add playback.
- **Jesus Soto** - Continue with the implementation of widget customization regarding backend integration.
- **Justin Soberano** - Work on figma designs for the dashboard and DERA bid system.
- **Rangsimun Bargmann** - after getting clarification on what features the dashboard should support (basically the same exact things as Thingsboard), I will add functionality to add a dashboard, save the layout of a dashboard when exiting the view, export a dashboard, and load a dashboard as these are the main functions that are present in the Thingsboard dashboard. Additionally, I will need to look into storing the schema of a dashboard in the backend for support for multiple clients

Pending issues

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<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 settings for more features, components update dynamically, Merged project into main project branch	6	44
Justin	Completed the bid list for the DERA stakeholders. Added an example dashboard for a high level view of the bids to easily display aggregated information on all the bids.	6	44
Rangsimun	List view for dashboards on the starting page, and functionality for multiple dashboards, used Mantine library to improve the UI of the dashboard (when	6	43

	adding widgets)		
Franck	Implemented a feature for users to have the ability to open a new tab and delete them.	6	38
Jesus	Implemented functional prototype of widget customization page.	6	44
Hang	Mostly worked with coding for Timeline display and deep dive into show grid implementation.	10	32

Summary of weekly advisor meeting

Meetings Notes 8

Team Meeting:

- Made staging branch in git
- Merged all our branches into the new staging branch to prepare to merge into main branch

Advisor Meeting:

- Use firebase for widget json schema
- fullscreen graph, SLE/SLD add to derms when its finalized, keep in separate folder
- test multi users at the same time on code editor
- Show action items on total project next week
- Review code that is merged into dev, then into main, then peeyush will merge into main gridAI platform
- Do not merge into main if there are any CI/CD errors