

EE/CprE/SE 491 WEEKLY REPORT 7

October 25th, 2024 - October 31st, 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

During the team meeting there wasn't much for us to discuss. We have been working on progressing our action items. During the advisor meeting we got feedback on our progress from Dr. Gelli and we scheduled meetings with the grad students for next week.

Past week's accomplishments

- **Skyler Kutsch** - Added features to improve the single line display and functionality.
- **Franck Biyoghe Bi Ndoutoume** - Implement React Mosaic and sync the Monaco Editor with the Mantine color scheme in the Code Editor section.
- **Hang Kim Thang** - Added some feature in map and have deeper understanding of the implementation.
- **Jesus Soto** - Added data persistence to the widget library so widgets do not disappear when users change or refresh pages. Added new actions to widget library like the ability to edit, duplicate, or delete widgets.
- **Justin Soberano** - Implemented a new home page layout using card view. Implemented a new subdirectory into the system that allows stakeholders to place and view market bids.
- **Rangsimun Bargmann** - implemented a dashboard with draggable widgets using React Mosaic Library; additionally, added more styles of widgets (plot, card, and table)

Plans for next week

- **Skyler Kutsch** - Replace svg shapes with 20-30 icons minimum for circuits. Fix known bugs, add error handling and bounds. Expand and improve current features.

- **Franck Biyoghe Bi Ndoutoume** - Making sure users have access to files in the Code Editor.
- **Hang Kim Thang** - Will be adding new components and make improvement of the Grid Map.
- **Jesus Soto** - Work on widget customization and merging the current implemented work from my branch into master.
- **Justin Soberano** - Work on the new directory in the system and create a SaaS application.
- **Rangsimun Bargmann** - need to make a list view for the dashboards that upon clicking expands to the actual dashboard with the movable widgets

Pending issues

- We are all working on narrowing down the specifications of our actions items to integrate them into the project soon.

<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 features to single line diagram	6	38
Justin	Implemented a new view of the home page to add a card view.	6	38
Rangsimun	Implemented a dashboard that starts out as empty and widgets can be added to; the dashboard also supports draggability of widgets on the dashboard	6	37
Franck	Implemented Mosaic and sync the Monaco Editor within Socket Editor.	6	38
Jesus	Added data persistence to widget library as well as more actions for user interaction	6	32
Hang	Implemented search bar and new components	5	22

Summary of weekly advisor meeting

Meeting Notes 7

Team Meeting

- Worked on action items

Advisor Meeting

- Working on customizing widgets
- Once widgets are done they should be reusable in the dashboard
- > "code to edit widgets already in project code" -peeyush
- Create form based widget to use in the dashboard react-json-schema-form library
- replace svg shapes with icons for circuits
- Show how the code is working
- No need to edit code editor layout, need to implement features
- Extend existing features of action items
- Create folder in mapbox with documentation of next action item steps for Map Visualization
- Build project to see nodes and lines
- Commit all changes to your branch and merge to master with permission from Rolf/Peeyush to check for errors before Wednesday afternoon
- update master VM with master code (one person next week, after merging)