EE/CprE/SE 491 WEEKLY REPORT 3

09/26/24 - 10/03/24

Group number: sdmay25-07

Project title: Ask Captain Cyber

Client &/Advisor: Doug Jacobson

Team Members/Role:
- *Ethan Comiskey - Cybersecurity Implementation Principal Manager*
- *Steven Ragan - Cybersecurity Coordinator & Integration Associate*
- *Alex Elsner - Lead backend developer*
- *Casper Run - Cybersecurity and WordPress developer*
- *Alexander Kronau - Backend developer. Limited Frontend*
- *Caden Murphy - Frontend developer*

Weekly Summary

This week, our primary objective was to continue researching project ideas and methods we can use to effectively complete our assigned project, Ask Captain Cyber. Each team member conducted research relevant to their specific role. We have obtained access to the site needed to begin work on the project itself. We also have gotten access to a site that will allow us to host WordPress locally and develop plugins needed for the project.

Past week accomplishments

- Ethan Comiskey - Researched ethical implications of our project, and developed ideas for site design and structure based on this information.
- Steven Ragan - looked into AI for a good portion of the week. Then switching to looking at WordPress plugin creation via local site hosting. As well as looking into the server created for captain cyber.
- Alex Elsner - Looked into how to locally use wordpress and create custom plugins using PHP. Continued research into WordPress backend development. Also figure out how AI will be integrated into the backend.
- Casper Run - Gained admin access to the WordPress Server. Reviewed the dashboard and installed a plugin to check website status. Continued researching WordPress development.
- Alexander Kronau - Explored more LLMs to assist in determining which should be considered.
- Caden Murphy - Researched React libraries that offer secure connections and protection from attacks.

Individual contributions

NAME	Individual Contributions *(Quick list of contributions. This should be short.)*	Hours this week	HOURS cumulative
Ethan Comiskey	Researched ethical implications, developed ideas for site element design	6	20
Steven Ragan	Researched AIs and WordPress plugins	6	20
Alex Elsner	How to locally use wordpress, how to install and create plugins, backend development for wordpress.	6	20
Casper Run	Website access and how to use the WordPress dashboard for development.	6	20
Alexander Kronau	Researched potential LLMs, developed ideas for backend architecture	6	20
Caden Murphy	Research React security libraries and how to implement them.	6	20

Plans for the upcoming week

- Ethan Comiskey - Considering we now have access to get started on the project, will look into how I can currently contribute to the AI integration of the project as well as contribute to any backend work as needed.
- Steven Ragan - Will look into the created server and what steps it might take to get to an end product. Will also keep looking into AI and WordPress solutions for captain cyber.
- Alex Elsner - Figure out what backend already exists and what needs to be created/improved upon. Look at what security practices are already in place and which security practices need to be implemented.
- Casper Run - Build a game plan with the team on what should be done next after gaining access to the page. Tailor research towards the new plan.
- Alexander Kronau - Learn more about localwp.com and how it could contribute to the development of our application in terms of local hosting and React.
- Caden Murphy - Now that we have access, begin working with team to develop plan on how to start building site. Start working on React project and implement figma designs.

Summary of weekly advisor meeting (*If applicable/optional*)
We are in contact with our advisor regarding access to the tools needed to complete our assigned project. Other than that, we have all agreed upon monthly meetings with our advisor.
- Did not this week