***EE/CprE/SE 491 WEEKLY REPORT 4***

***10/3/24 - 10/10/24***

***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 look into what we had been given access to for our project and see what can be created/improved upon from what is already there. From this, we planned on generating a game plan for what next steps will look like to either improve upon what is already there or to begin our own project implementation. Our secondary objective was to continue researching ideas and methods we can utilize for our project. Now that we have access to our server, we began the process of coming up with ideas for how to apply our research to our initial design.

**Past week accomplishments**

* Ethan Comiskey - Researched potential AI to integrate into our project.
* Steven Ragan - Looked into the created server and what steps it takes to reach an end product. Also looked into WordPress plugin creation and implemented plugins that might be created already.
* Alex Elsner - Narrowed in on some security plugins that could be used for WordPress and how WordPress works in the backend. Started to look at databases and admin privileges.
* Casper Run - Became more familiar with WordPress and started drafting ideas for implementing features, which I will present in the next meeting.
* Alexander Kronau - Narrowed our LLM selections to the Copilot or Chat with RTX. Will conduct further evaluation during our next meeting.
* Caden Murphy - Got delayed implementing Figma designs to React due to WordPress constraints. Had to begin looking into WordPress libraries and plugins applicable to React.

**Individual contributions**

| **NAME** | **Individual Contributions**  *(Quick list of contributions. This should be short.)* | **Hours this**  **week** | **HOURS**  **cumulative** |
| --- | --- | --- | --- |
| Ethan Comiskey | Researched potential AI to integrate into our project | 6 | 26 |
| Steven Ragan | Researched server and project steps  Researched WordPress plugins | 6 | 26 |
| Alex Elsner | Started to experiment with the wordpress backend and how it works. Also looked into security plugins. | 6 | 26 |
| Casper Run | Reasearch more development with WordPress and became more familiar with the solution. | 6 | 26 |
| Alexander Kronau | Took time to gain a better understanding of software architecture principals, discussed with caden. | 6 | 26 |
| Caden Murphy | Researched React libraries that work with WordPress. Also brushed up on architecture with Alex K. | 6 | 26 |

**Plans for the upcoming week**

* Ethan Comiskey - I plan to look into how to apply the AI integration within the system we have now been given access to. Will contribute to any other work as needed.
* Steven Ragan - Look into what sort of coding practices will be best suited for this kind of work. Then start to work on some sort of WordPress plugin as a sort of test run.
* Alex Elsner - I plan to gain more familiarity with WordPress and how it operates in the backend. I also plan to tinker with databases and other security-based WordPress plugins.
* Casper Run - Work with Alex to gain more familiarity with WordPress and security-based plugins.
* Alexander Kronau - I plan to research prompt engineering, focusing on AI 'jailbreaking' to help ensure that the bot stays on topic.
* Caden Murphy - Finalize decisions on WordPress React libraries and work with the group to use most suitable.

**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