

## ***EE/CprE/SE 491 WEEKLY REPORT 10***

***11/15/24 - 11/21/24***

***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 team's main goal was to continue developing our prototype for Ask Captain Cyber. We are close to testing our first draft of the prototype on our local machines before we are authorized to push it to the live website, which will likely not occur until next semester. Our team met with Tyler Bell remotely, who provided useful ideas regarding how we can approach our project similar to how he developed his project, the Departmental Intelligent Neural Advisor (DINA). His knowledge and ideas have given the team inspiration for how to move forward and even helped to get around roadblocks we were starting to face. Our team continues to work hard to ensure our prototype will be completed by the faculty presentation, which we are well on track to accomplish.

### **Past week accomplishments**

- Ethan Comiskey - Configured Git Bash on local machine to begin local testing, engaged in meeting with Tyler Bell, and took notes on what could apply to our project
- Steven Ragan - Set up current captain cyber on local and looked through some implementation areas I could dev in.
- Alex Elsner - Helped Casper with research into user management alternatives and other database alternatives. I attended a meeting with Dr. Bell and the rest of the team to learn more about AI and how to apply it to our project.
- Casper Run - Attended meeting with Tyler Bell and took notes on Bell's DINA project that could be useful for our project. Researched user management plugins for alternatives to the backend database.
- Alexander Kronau - Finished setting all local environments and assisted the team with setup as well. Finished testing existing / WIP webpages. Continued to research React development and its implementation with WordPress.
- Caden Murphy - Tested the "chat" population in the frontend prototype (having question go from textfield to "chat" area and having sample answer appear as intended)

### Individual contributions

<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>
Ethan Comiskey	Configured Git Bash on the local machine to begin local testing, engaged in meeting with Tyler Bell, and took notes on what could apply to our project	6	62
Steven Ragan	Set up the current captain cyber on my local machine.	6	62
Alex Elsner	Assisted Casper with research into backend alternatives. Attend meeting with Dr. Bell and took notes.	6	62
Casper Run	Collected ideas from Dr. Tyler Bell and researched how to apply the OpenAI assistant API to our project. Researched user management plugins.	6	62
Alexander Kronau	Assisted other members with setting up local environments and continued developing frontend solution.	6	62
Caden Murphy	Continued frontend development, experimented with chat screen population	6	62

### Plans for the upcoming week

- Ethan Comiskey - Research ways to configure AI API through the WPBot to streamline the backend coding process
- Steven Ragan - Work through setting up a branch and start playing with the bot coding.
- Alex Elsner - Start implementing user management plugins and help Casper with the OpenAI prototype. Contact Doug about creating an OpenAI account for the team.
- Casper Run - Assist Alex with backend development and user management. Create a quick prototype with the OpenAI assistant API and free plugin. Discuss with Doug about creating an OpenAI account.
- Alexander Kronau - Continue developing the frontend for "Ask Captain Cyber" using React, and explore what can be done about WPbot since there may be some implementation concerns.
- Caden Murphy - Implement a consistent and efficient chat function that can populate the chat field without delay.