

Lightning Talk 6: Contextualization/Design Check-In

SDmay25-07: Ask Captain Cyber

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Ask Captain Cyber Project Overview

Ask Captain Cyber is a cyber-security focused chatbot that will be able to answer user's questions relating to cybersecurity, with support for all levels of complexity. Questions that have not already been answered will be generated by an LLM and vetted by experts to ensure accuracy.

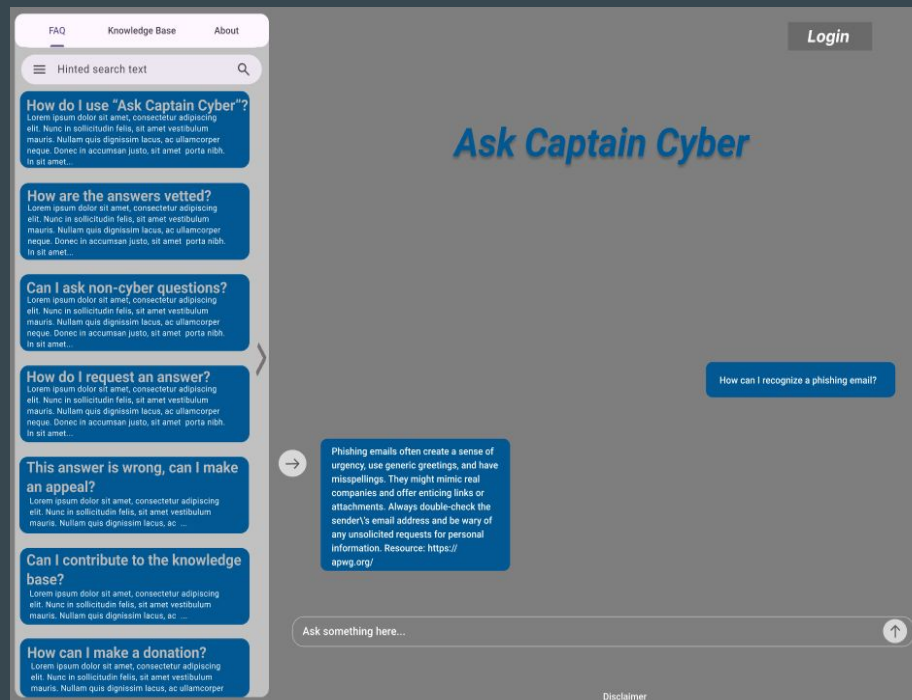


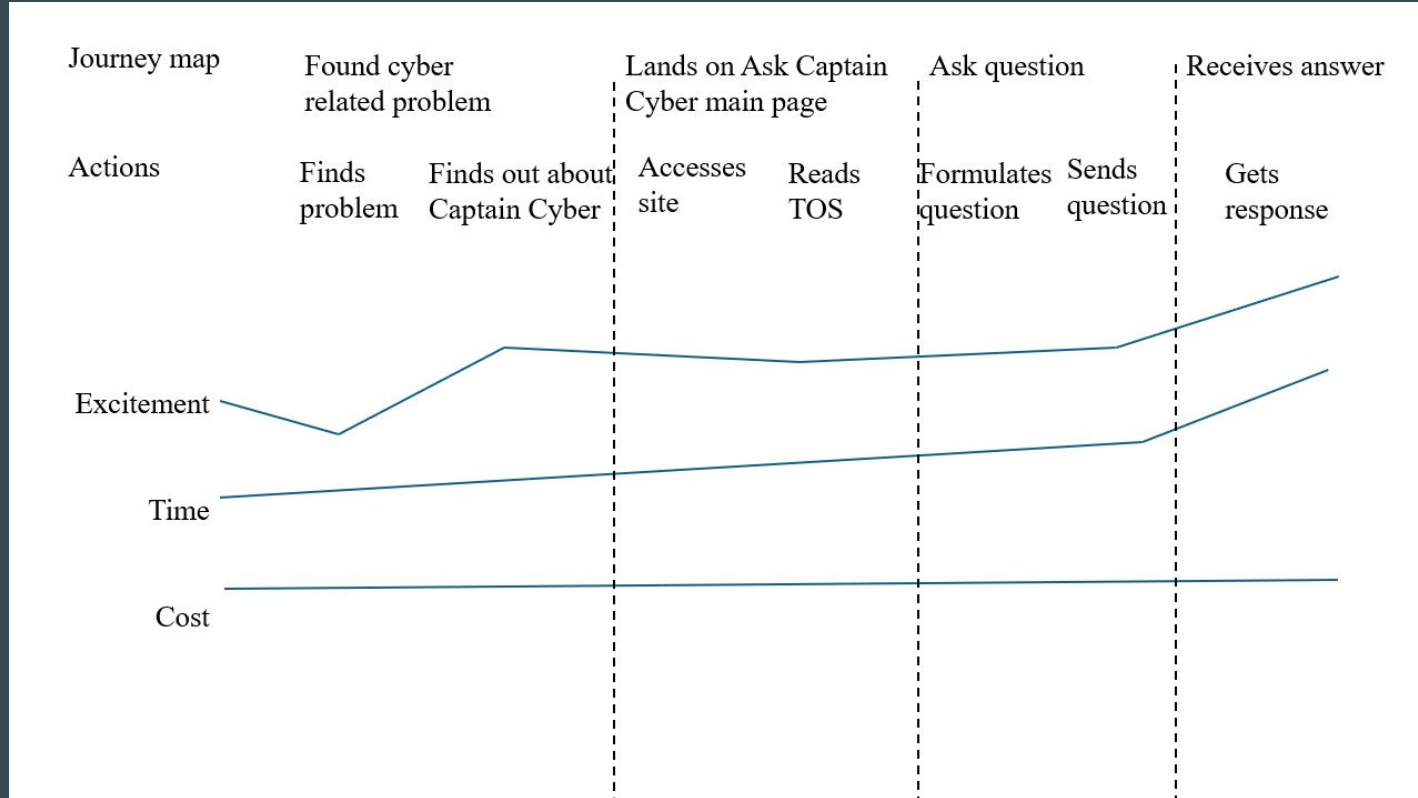
Figure 1 - Mockup of “Ask Captain Cyber” prompt page

Artifacts : Pros & Cons Comparison Table

	Solution: Microsoft Copilot	Alternative: Google Gemini	Alternative: ChatGPT
Pros	<ul style="list-style-type: none">• Cheap• Reliable technical information• Easy to integrate as a plugin for our existing code	<ul style="list-style-type: none">• Google is the most popular search engine, so they have access to a lot of questions and how to answer them.• Not available across the world.	<ul style="list-style-type: none">• One of the most popular• Has a large dataset to pull answers from.
Cons	<ul style="list-style-type: none">• Limited customization options	<ul style="list-style-type: none">• No easy way we have researched to plug into our existing code• Not as reliable as other models for accurate answers	<ul style="list-style-type: none">• Expensive to get the best features

Figure 2 - Pros & Cons Comparison Table

Artifact: Journey Map



Artifact: Technical Complexity Analysis

- Design is rather simple, for users of every skill set.
- Focus on the users receiving prompt and accurate information.
 - Tailored to their level of understanding.
- Speed is critical
 - Ensure the user will not have to wait long for their reply.
- Our developers are skilled in building websites that can cater to many users.
 - Our learning is not finished, and we will continue to build upon our expertise



Human

- Home page lay out
 - Is it easy to navigate
- Terms of service
 - Easy to understand
 - Ethically laid out of users
- Chatbot
 - Chatbot will be friendly and easy to use
 - Users will be assured they are getting answers from experts.



Economic

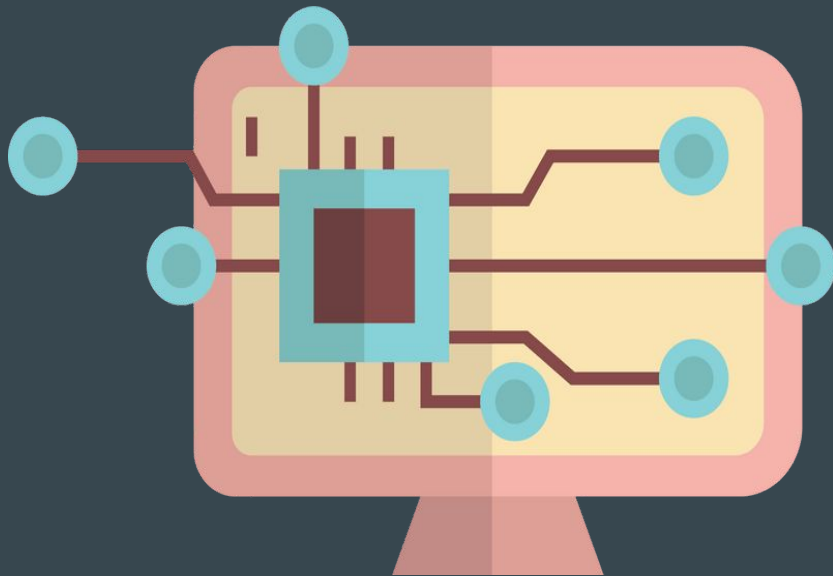
- Response time
 - Need to provide safe response
- Time Searching database | required space
 - Needed so ambassador work is not repeated
- No general user accounts
 - Keeps things private
 - Decreases responsibility



Technical

- Low complexity
 - Making the site easy to maintain when we leave is an art
- Understandable logic
 - Can someone see where things go wrong
- It can be pseudo maintained by technically skilled ambassadors.

Understandable approaches shows mastery



Conclusion

- Overall, we are in good shape for completing the projects within the required constraints
- “Ask Captain Cyber” is progressing as anticipated, with research vastly completed and development underway
- Our team is working well together, with a strong sense of dedication and accountability

