

WHY A CHATBOT

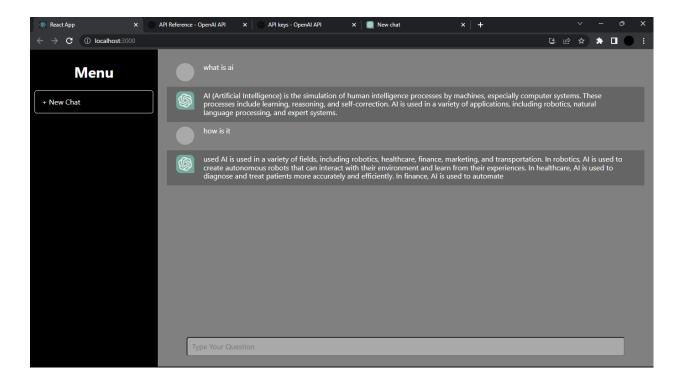
- I choose a chatbot because it allows me to gain experience in the growing field of AI
- OpenAl has one of the best implementations of using Al to create a cutting-edge chatbot
- Creating a chatbot allows for someone to understand the way Al is designed, implemented, and put into code
- It allows me to create the code that can get information from OpenAl's Al models like Davinci or GPT-3
- I can apply what I learned about the theory of AI, Algorithm Design,
 Operating Systems (Managing Website Servers), and Website Development





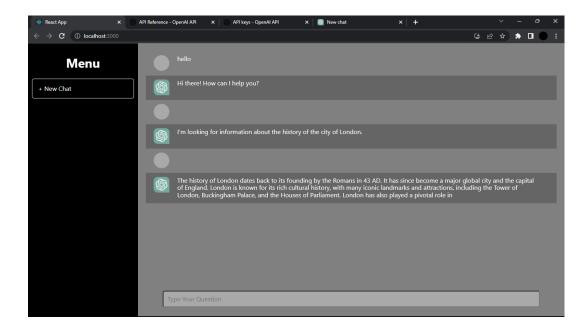
RESEARCH AND DEVELOPMENT

- The risks of AI are not know yet nor are its possibilities
- It is a very useful tool for a variety of applications
- It can write code, books and business memos
- Al is great at problem-solving, research, and storytelling
- The power of AI models are increasing with how powerful computers are becoming and how much data exists for them to process
- Advancements in AI can be seen in the automation of jobs, developments in the medical field, developments in engineering, changes in education, and changes in lifestyle



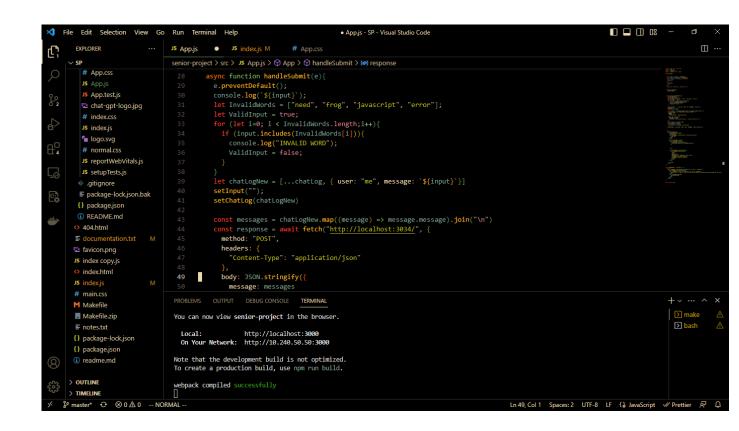
SYSTEM DESIGN AND IMPLEMENTATION

- I choose an AI model that I was familiar with OpenAI
- I decided on node.js and react because they allow writing code using JavaScript and work well with formatting the website with CSS
- OpenAl uses tokens to handle how large the input and output files are
 - A large amount of information will take a while to process
 - Similarity so would a large output
- How to apply AI temperature to get the desired project specific output
 - Temperature is how deterministic you want the output to be
 - It can be used to be very creative at a cost of not giving the best answer possible
 - A valid temperature ranges from 0 (least creative) to I (most creative)



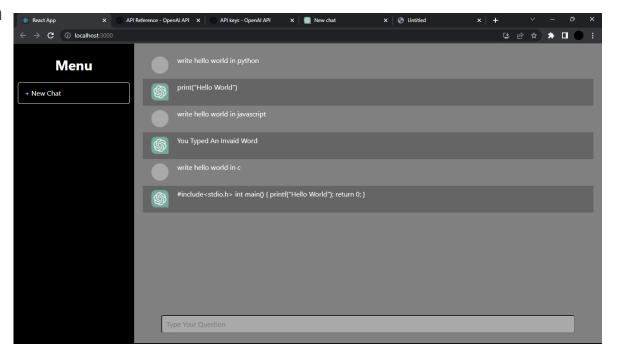
FEATURES OF MY IMPLEMENTATION OF A CHATBOT

- Word Filtering to limit the content sent to OpenAl's API
 - An array contains words that the client cannot send to the API using the website
 - Such requests are not answered by the API
- Static site compactable
 - Implemented in a way that allows all the requests to be made on the client so that the server only needs to send the files form the server to connect directly to the API
 - Saves on computation and memory
 - Reduces latency



WHAT I LEARNED FROM THE PROJECT

- I learned how to apply the theories behind AI, Algorithm Design, Operating Systems (Managing Website Servers), and Website Development
- Some of the ways that OpenAl's API is different than chatGPT such as content filtering and speed
- How to build a website using node.js and react and implementing node modules like OpenAl's API
- How to create and connect the website front end to the back end of a website using http requests
- How to make API keys secure using a back-end website host





DEMO & QUESTIONS

THANKS FOR WATCHING