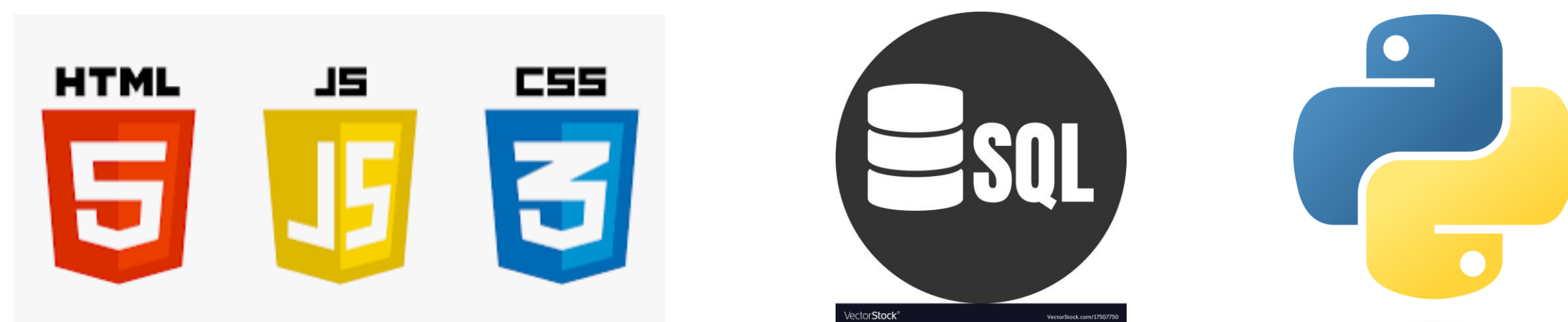


INTRO/ABSTRACT

Our team set out to find what the limits were for utilizing AI for web development in 2023. In our research, we utilized ChatGPT-4 to generate code snippets and had asked it to instruct our group on how to build a prototype auction website using its generated code. While developing the site, we attempted to find out the best way to utilize AI by testing the upper limits of its coding capabilities. Through testing we found that ChatGPT had trouble building a complete prototype with minimal correction or input and concluded that AI should be relegated to a copilot position for web development in 2023.

METHODS

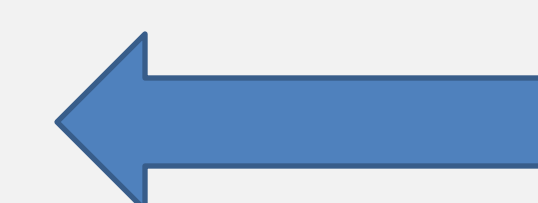
The group utilized ChatGPT-4 to generate source code for the back-end and front-end of the website. Code was generated in multiple sessions. In these sessions, group members constantly asked the AI chatbot for guidance on how to connect the different parts of the source code together. Languages and technologies involved in the project were Flask(Python), HTML, CSS, JavaScript, HTML, SQL



RESULTS

In our research, we found that ChatGPT was unable to fully generate the prototype website in its entirety through a few prompts. It began to struggle generating accurate and appropriate source code once the basic website outlines were structured. While it was still able to give good advice on the steps our team should take next, it was not able to provide further assistance on building the website on its own catering to our specifications but rather specialized in creating small code blocks for specific code functions.

Our team found what limitations are for using AI for web development in 2023. Our findings suggest that AI should only be used as a co-pilot due to its inability to produce full, coherent, source code .



Link to Our Project Website