Student’s Name: Crawford Lydle   
  
Project’s Name: Chatbot

Project Start Date:2/3/2025 Project End Date:   
  
**Instructions**

During the first week, you will add two to three project goals that you are to accomplish by the end of **each week**. Then each week, you will use this document to continue to describe, in 2-3 sentences, the requirements that you completed, list any barriers to accomplishing any of your goals, and describe any additional assistance you will need from your instructor or other resource.

**Week One**

**Project goals to be completed in week 1:**

* 1. Set up the PHP webpage
  2. Create a simple UI that has text input
  3. Choose and test a free GPT AI model for chatbot

**Description of project goals completed during week 1:** I was able to set up the PHP webpage and make a barebones UI for now. Once everything is working, I’ll focus more on the UI. I was looking at the model I’m going to implement into the project next week.

**Barriers: Not really any so far, the hardest part was downloading PHP onto my computer.**

**Requested assistance: No**

**Week Two**

**Project goals to be completed in week 2:**

1. Connect the webpage and the GPT AI model using API
2. Ensure user input is sent to the chatbot and responses are displayed
3. Add a short term memory for the conversation handling.

**Description of project goals completed during week 2:**

**I ended up not using a GPT AI API and went with Gwen AI but I got it integrated and working  
I also got the communication between the webpage and the ai working  
If you want to run it   
you might have to pip install a few libraries but after that  
you have to make 2 terminals in VSCode  
type python ai.py in one and php -S localhost:8000 in the other   
Login is admin admin**

**Barriers:**

**Getting the AI to work**

**Requested assistance: No**

**Week Three**

**Project goals to be completed in week 3:**

1. Store user conversation history using SQLite for better chatbot interaction
2. Add error handling and security measures, such as input validation and request limits

c. (optional) improve webpage design

**Description of project goals completed during week 3:**

**Barriers: I had a hard time adding the SQLite database. Couldn’t add security measures but will finish that up next week along with the other stuff.**

**Requested assistance: No**

**Week 4**

**Project goals to be completed in week 4:**

1. Add tweaks for the chatbot as need be

**Description of project goals completed during week 4:  
I added some security features like input validation and rate limiting  
I added some basic styling to the project  
also made some performance tweaks.**

**Barriers: Nothing**

**Requested assistance: No**

**Project Summary (e.g., what went well, what would you have improve upon)  
I didn’t really have anything in this project that things didn’t go well in. I did in fact have some trouble with implementing the AI API model and the SQLite database. Even doing that wasn’t too difficult just ran into some minor setbacks.  
If given more time I would have added a create a user page and really went in detail with styling. I would have also added more security features.**