**chatbot**

pip install flask

from flask import Flask, request, jsonify

# Create a Flask application

app = Flask(\_name\_)

# Define the POST route for the chatbot's webhook

@app.route("/chatbot", methods=["POST"])

def chatbot():

# Get the JSON data from the request

data = request.get\_json()

# Extract the user message from the JSON data

user\_input = data.get("message", {}).get("text", "")

# Call a function to handle the user input

response\_text = handle\_user\_input(user\_input)

# Return the response as a JSON object

return jsonify({

"message": {

"text": response\_text

}

})

# Define a function to handle user input and generate a response

def handle\_user\_input(input\_text):

# Basic example: respond with a greeting if "hello" is mentioned

if "hello" in input\_text.lower():

return "Hello! How can I assist you today?"

elif "weather" in input\_text.lower():

return "I don't have weather information, but I can check the latest news for you."

else:

return "I'm not sure I understand. Could you rephrase your question?"

# Run the Flask app

if \_name\_ == "\_main\_":

app.run(debug=True, port=5000)

curl -X POST -H "Content-Type: application/json" \

-d '{"message": {"text": "hello"}}' \

<http://localhost:5000/chatbot>

# Install Gunicorn

pip install gunicorn

# Start the Flask app with Gunicorn

gunicorn -w 4 chatbot\_app:app -b 0.0.0.0:5000

python chatbot\_app.py

curl -X POST -H "Content-Type: application/json" \

-d '{"message": {"text": "hello"}}' \

<http://127.0.0.1:5000/chatbot>

**output**

{

"message": {

"text": "Hello! How can I assist you today?"

}

}

curl -X POST -H "Content-Type: application/json" \

-d '{"message": {"text": "What\'s the weather?"}' \

http://127.0.0.1:5000/chatbot

{

"message": {

"text": "I don't have weather information, but I can check the latest news for you."

}

}

curl -X POST -H "Content-Type: application/json" \

-d '{"message": {"text": "Can you help me?"}' \

http://127.0.0.1:5000/chatbot

{

"message": {

"text": "I'm not sure I understand. Could you rephrase your question?"

}

}