

AI_Phase 3 – Create a Chatbot in Python

app.py

```
from flask import Flask, request, render_template

import openai

# Set your OpenAI API key
api_key = 'sk-y1KuYbWyPddt6uX65DyST3B1bkFJo77qv8LxBn1Kwe4qY4SG'
openai.api_key = api_key

app = Flask(__name__)

def chat_with_bot(user_input):
    # Use GPT-3 to generate a response
    response = openai.Completion.create(
        engine="gpt-3.5-turbo-instruct-0914", # You can choose the appropriate engine
        prompt=f"You: {user_input}\nBot:",
        max_tokens=50
    )
    return response.choices[0].text

@app.route('/')
def index():
    return render_template('index.html')

@app.route('/chat', methods=['POST'])
def chat():
    user_input = request.form['user_input']
    if user_input.lower() == 'bye':
        bot_response = "Goodbye!"
    else:
        bot_response = chat_with_bot(user_input)
    return bot_response

if __name__ == '__main__':
    app.run(debug=True)
```

index.html (templates)

```
<!DOCTYPE html>
<html>
<head>
  <title>Chatbot</title>
  <style>
    @import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;700;800;900&dis
play=swap');
```

```
* {
  margin: 0;
  padding: 0;
  font-family: 'Poppins', sans-serif;
}

body {
  overflow: hidden; /* Disable page scroll */
}

.container {
  width: 100%;
  height: calc(100vh);
  background-color: #000;
  display: flex;
  flex-direction: column;
  align-items: center;
  color: #fff;
}

.title {
  padding: 20px;
  text-align: center;
}

#chat-container {
  width: 100%;
  border: 1px solid #ddd; /* Light border */
  flex: 1; /* Take up remaining space */
  display: flex;
  flex-direction: column;
  text-align: center;
  overflow-y: auto; /* Make chat container scrollable */
}

#chat-log {
  flex: 1; /* Expand the chat log */
  padding: 20px;
}

#user-input {
  width: 80%;
  padding: 10px;
  border: none;
  font-size: 16px;
  outline: none;
  background: #f2f2f2;
}

#submit-button {
  background-color: #212121;
  color: #fff;
  border: none;
  padding: 10px 20px;
```



```
        'Content-Type': 'application/x-www-form-urlencoded; charset=UTF-8',
      },
    });

    const botResponse = await response.text();
    chatLog.innerHTML += `

MadBot:
${botResponse}</div>`;

    if (botResponse.toLowerCase() === 'goodbye!') {
      userInputElement.disabled = true;
    }
  });
</script>
</body>
</html>


```