In [1]:

```
from dotenv import load_dotenv
import os
```

In [2]:

```
import openai #import openai library
```

In [3]:

```
# Set the API key
openai.api_key = "sk-.........................."

##load_dotenv('demo.env')
##openai.api_key = os.environ.get("api_key")
```

In [4]:

```
import ipywidgets as widgets
from IPython.display import display
```

In [5]:

```
def ask_gpt3(prompt):
    response = openai.Completion.create(
        engine="text-davinci-002",
        prompt=prompt,
        max_tokens=1024,
        n=1,
        stop=None,
        temperature=0.5,
    )

    message = response.choices[0].text.strip()
    return message
```

In [6]:

```
input_box = widgets.Text(
    value="",
    description="Message:",
    layout=widgets.Layout(width="auto"),
)

submit_button = widgets.Button(
    description="Send",
    button_style="primary",
    layout=widgets.Layout(width="auto", margin="0 0 0 10px"),
)
```

In [7]:

```
chat_history = []

def handle_submit(sender):
    user_message = input_box.value
    chat_history.append(f"User: {user_message}")
    bot_message = ask_gpt3("\n".join(chat_history))
    chat_history.append(f"Bot: {bot_message}")
    input_box.value = ""
    display_chat_history()

def display_chat_history():
    chat_history_box.value = "\n".join(chat_history)
```

In [8]:

```
chat_history_box = widgets.Textarea(
    value="",
    description="Chat History:",
    layout=widgets.Layout(width="100%", height="200px"),
    disabled=True,
)
```

In [9]:

```
submit_button.on_click(handle_submit)
```

In [10]:

```
display(
    widgets.VBox(
        [input_box, submit_button, chat_history_box],
        layout=widgets.Layout(width="100%"),
    )
)
```

```
VBox(children=(Text(value='', description='Message:', layout=Layout(width
='auto')), Button(button_style='prima…
```

In [ ]:

```
```