

```

1 import streamlit as st
2 from nltk.chat.util import Chat, reflections
3
4
5 #Defining pairs of the chatbot
6 pairs = [
7     [r"(.*)my name is(.*)",["Hello %2, How are you today ?",]],
8     [r"(.*)help(.*)",["I can help you ",]],
9     [r"(.*) your name ?", ["My name is Mr. Spock, but you can just call me robot and I'm a chatbot .",]],
10    [r"how are you (.*) ?", ["I'm doing very well", "I am great !"],],
11    [r"sorry (.*)", ["It's alright", "It's OK, never mind that"],],
12    [r"i'm (.*) (good|well|okay|ok)", ["Nice to hear that", "Alright, great !"],],
13    [r"(hi|hey|hello|hola|holla)(.*)", ["Hello", "Hey there",]],
14    [r"what (.*) want ?", ["Make me an offer I can't refuse",]],
15    [r"(.*)created(.*)", ["Sumit created me using Python's NLTK library", "Top secret 🤖",]],
16    [r"(.*) (location|city) ?", ["Hyderabad, India",]],
17    [r"(.*)raining in (.*)", ["No rain in the past 4 days here in %2", "In %2 there is a 50% chance of rain",]],
18    [r"how (.*) health (.*)", ["Health is very important, but I am a Robot, so I don't need to worry about my health ",]],
19    [r"(.*) (sports|game|sport)(.*)", ["I'm a very big fan of Cricket",]],
20    [r"who (.*) (Cricketer|Batsman)?", ["Virat Kohli"],],
21    [r"(.*)joke|Joke(.*)",["Sure! Here's one: Why don't skeletons fight each other? Because they don't have the guts! 🤖",]],
22    [r"(.*)Crazy|crazy(.*)",["My developer is ... so am I !💀",]],
23    [r"quit", ["Bye for now. See you soon :)", "It was nice talking to you. See you soon :)"],],
24    [r"(.*)", ['Our customer service will reach you']]
25 ]
26 # Create the Chat object
27 chat = Chat(pairs, reflections)
28
29 # inject cuastom CSS
30
31
32 #frontend
33 st.markdown('<div class="chat-container">',unsafe_allow_html=True)
34 st.title("🤖 Chatbot: Mr. Spock")
35 st.subheader("Welcome! Start chatting with the bot below.")
36 st.markdown("Type 'quit' to exit the chat.")
37
38 #session state to store chat history
39 if "chat_history" not in st.session_state:
40     st.session_state.chat_history = []
41
42 #Chat input and output
43 user_input = st.text_input("You: ", "",key="user_input")
44
45 if user_input:
46     st.session_state.chat_history.append(("You",user_input))
47
48     if user_input.lower() == "quit":
49         bot_response = "Goodbye! It was nice chatting with you."
50     else:
51         bot_response = chat.respond(user_input)
52
53     st.session_state.chat_history.append(("Mr.Spock",bot_response))
54
55 # Display chat history
56 st.markdown("Chat History")
57 for sender, message in st.session_state.chat_history:
58     if sender == "You":
59         st.markdown(f"***{sender}***{message}")
60     else:
61         st.markdown(f"***{sender}***{message}",unsafe_allow_html=True)
62 st.markdown("<hr>", unsafe_allow_html=True)
63 st.markdown(
64     """
65     <div style="text-align: center; color: gray; font-size: 12px;">
66         This Bot is created by <b>Sumit ❤️</b>
67     </div>
68     """, unsafe_allow_html=True
69 )

```



Chatbot: Mr. Spock

Welcome! Start chatting with the bot below.

Type 'quit' to exit the chat.

You:

quit

Chat History

****You:**** hii

****Mr.Spock:**** Hello

****You:**** what is your name

****Mr.Spock:**** My name is Mr. Spock, but you can just call me robot and I'm a chatbot .

****You:**** who created you ?

****Mr.Spock:**** Sumit created me using Python's NLTK library

****You:**** tell me a joke

****Mr.Spock:**** Sure! Here's one: Why don't skeletons fight each other? Because they don't have the guts!



****You:**** are you crazy

****Mr.Spock:**** My developer is ... so am I ! 💀

****You:**** who is your fav cricketer

****Mr.Spock:**** Virat Kohli

****You:**** quit

****Mr.Spock:**** Goodbye! It was nice chatting with you.
