

## Prakash Senapati lab\Chatbot\chatbot\_project.py

```
1 import streamlit as st
2 from nltk.chat.util import Chat, reflections
3
4 #Pairs is a list of patterns and responses.
5 pairs = [
6     [
7         r"(.*)my name is (.*)",
8         ["Hello %2, How are you today ?"],
9     ],
10    [
11        r"(.*)help(.*) ",
12        ["I can help you "],
13    ],
14    [
15        r"(.*) your name ?",
16        ["My name is thecleverprogrammer, but you can just call me robot and I'm a chatbot
17        .",],
18    ],
19    [
20        r"how are you (.*) ?",
21        ["I'm doing very well", "i am great !"],
22    ],
23    [
24        r"sorry (.*)",
25        ["Its alright","Its OK, never mind that"],
26    ],
27    [
28        r"i'm (.*) (good|well|okay|ok)",
29        ["Nice to hear that","Alright, great !"],
30    ],
31    [
32        r"(hi|hey|hello|hola|holla)(.*)",
33        ["Hello", "Hey there"],
34    ],
35    [
36        r"what (.*) want ?",
37        ["Make me an offer I can't refuse"],
38    ],
39    [
40        r"(.*)created(.*)",
41        ["prakash created me using Python's NLTK library ","top secret ;)],
42    ],
43    [
44        r"(.*) (location|city) ?",
45        ['hyderabad, India'],
46    ],
47    [
48        r"(.*)raining in (.*)",
49        ["No rain in the past 4 days here in %2","In %2 there is a 50% chance of rain"],
50    ],
51    [
```

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52         r"how (.*?) health (.*?)",
53         ["Health is very important, but I am a computer, so I don't need to worry about my
health ",]
54     ],
55     [
56         r"(.*)(sports|game|sport)(.*)",
57         ["I'm a very big fan of Cricket",]
58     ],
59     [
60         r"who (.*?) (Cricketer|Batsman)?",
61         ["Virat Kohli"]
62     ],
63     [
64         r"quit",
65         ["Bye for now. See you soon :) ", "It was nice talking to you. See you soon :)"]
66     ],
67     [
68         r"(.*?)",
69         ['our customer service will reach you']
70     ],
71 ]
72
73 #default message at the start of chat
74 st.title("Chatbot")
75 st.write("Hi, I'm thecleverprogrammer and I like to chat\nPlease type lowercase English
language to start a conversation. Type quit to leave ")
76 #Create Chat Bot
77 chat = Chat(pairs, reflections)
78
79 # Function to get user input and return chatbot response
80 def get_response(user_input):
81     return chat.respond(user_input)
82
83 # User input
84 user_input = st.text_input("You: ", "")
85
86 if user_input:
87     response = get_response(user_input)
88     st.write("Bot:", response)
89
90
91 #chat.converse()
92
93

```