```
# Conversation History Menu
elif choice == "Conversation History":
    # Display the conversation history in a collapsible expander
    st.header("Conversation History")
    # with st.beta_expander("Click to see Conversation History"):
    with open('chat_log.csv', 'r', encoding='utf-8') as csvfile:
        csv_reader = csv.reader(csvfile)
        next(csv_reader)  # Skip the header row
        for row in csv_reader:
            st.text(f"User: {row[0]}")
            st.text(f"Chatbot: {row[1]}")
            st.text(f"Timestamp: {row[2]}")
            st.markdown("---")

elif choice == "About":
    st.write("The goal of this project is to create a chatbot that can understand and respond to user input based on intents. The cha

    st.subheader("Project Overview:")
```

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elif choice == "About":
    st.write("The goal of this project is to create a chatbot that can understand and respond to user input based on intents. The chatbot is buil

    st.subheader("Project Overview:")

    st.write("""
    The project is divided into two parts:
    1. NLP techniques and Logistic Regression algorithm is used to train the chatbot on labeled intents and entities.
    2. For building the Chatbot interface, Streamlit web framework is used to build a web-based chatbot interface. The interface allows users to
    """)

    st.subheader("Dataset:")

    st.write("""
    The dataset used in this project is a collection of labelled intents and entities. The data is stored in a list.
    - Intents: The intent of the user input (e.g. "greeting", "budget", "about")
    - Entities: The entities extracted from user input (e.g. "Hi", "How do I create a budget?", "What is your purpose?")
    - Text: The user input text.
    """)

    st.subheader("Streamlit Chatbot Interface:")

    st.write("The chatbot interface is built using Streamlit. The interface includes a text input box for users to input their text and a chat wi
```

Menu

About

Fork

Intents of Chatbot using NLP

The goal of this project is to create a chatbot that can understand and respond to user input based on intents. The chatbot is built using Natural Language Processing (NLP) library and Logistic Regression, to extract the intents and entities from user input. The chatbot is built using Streamlit, a Python library for building interactive web applications.

Project Overview:

The project is divided into two parts:

1. NLP techniques and Logistic Regression algorithm is used to train the chatbot on labeled intents and entities.
2. For building the Chatbot interface, Streamlit web framework is used to build a web-based chatbot interface. The interface allows users to input text and receive responses from the chatbot.

Dataset:

The dataset used in this project is a collection of labelled intents and entities. The data is stored in a list.

- Intents: The intent of the user input (e.g. "greeting", "budget", "about")
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Fork

Menu

Home

Intents of Chatbot using NLP

Welcome to the chatbot. Please type a message and press Enter to start the conversation.

You:

make me laugh

Chatbot:

Did you hear about the mathematician who's afraid of negative numbers? He'll stop at nothing to avoid them!

```
    ],
    "responses": [
        "I'm sorry, but I don't have access to real-time information like the current time.",
        "You can check the time on your device or use a clock."
    ]
},
{
    "tag": "joke",
    "patterns": [
        "Tell me a joke",
        "Do you know any jokes",
        "Make me laugh"
    ],
    "responses": [
        "Why don’t scientists trust atoms? Because they make up everything!",
        "Why don't skeletons fight each other? They don't have the guts!",
        "Did you hear about the mathematician who’s afraid of negative numbers? He’ll stop at nothing to avoid them!"
    ]
},
{
    "tag": "food",
    "patterns": [
        "What's your favorite food",
        "Do you like to eat",
        "Tell me about food"
    ],
```

Menu

Conversation History

User: make me laugh

Chatbot: Why don't skeletons fight each other? They don't have the guts!

Timestamp: 2024-12-10 17:26:41

User: make me laugh

Chatbot: Did you hear about the mathematician who's afraid of negative numbers? He'll stop at nothing to avoid them!

Timestamp: 2024-12-10 17:54:46

User: make me laugh

Chatbot: Why don't scientists trust atoms? Because they make up everything!

Timestamp: 2024-12-10 17:58:44

Test / app.py

↑ Top

Code | Blame | 132 lines (103 loc) · 5.4 KB | Code 55% faster with GitHub Copilot | Raw

```
48      def main():

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Fork

Menu

Home

Intents of Chatbot using NLP

Welcome to the chatbot. Please type a message and press Enter to start the conversation.

You:

```
45
46      counter = 0
47
48      def main():
49          global counter
50          st.title("Intents of Chatbot using NLP")
51
52          # Create a sidebar menu with options
53          menu = ["Home", "Conversation History", "About"]
54          choice = st.sidebar.selectbox("Menu", menu)
55
56          # Home Menu
57          if choice == "Home":
58              st.write("Welcome to the chatbot. Please type a message and press Enter to start the conversation.")
59
60              # Check if the chat_log.csv file exists, and if not, create it with column names
61              if not os.path.exists('chat_log.csv'):
62                  with open('chat_log.csv', 'w', newline='', encoding='utf-8') as csvfile:
63                      csv_writer = csv.writer(csvfile)
64                      csv_writer.writerow(['User Input', 'Chatbot Response', 'Timestamp'])
65
66              counter += 1
67              user_input = st.text_input("You:", key=f"user_input_{counter}")
68
69              if user_input:
70
```