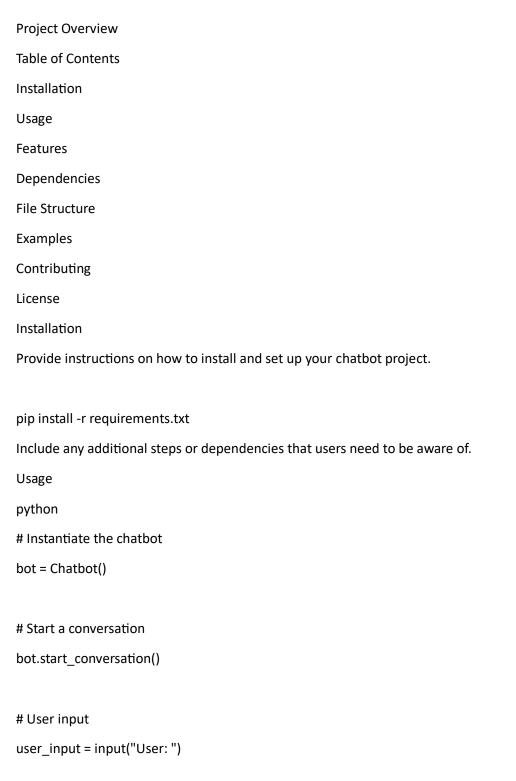
Chatbot Project Documentation and submission



```
# Get bot's response
bot_response = bot.get_response(user_input)
print("Bot:", bot_response)
Features
List the main features of your chatbot. This could include natural language processing, integration
with external APIs, etc.
Natural Language Processing
Intent Recognition
API Integration
Dependencies
List all the dependencies required to run your chatbot.
Python 3.x
Library 1
Library 2
File Structure
Explain the organization of your project's files and directories.
plaintext
/chatbot
|-- chatbot.py
|-- data/
| |-- intents.json
|-- examples/
| |-- example_script.py
|-- tests/
| |-- test_chatbot.py
|-- README.md
```

|-- requirements.txt

```
|-- LICENSE
```

Examples

Provide examples of how to use your chatbot in real-world scenarios.

Example 1: Basic Conversation

```
python
Copy code
from chatbot import Chatbot
bot = Chatbot()
bot.start_conversation()
user_input = input("User: ")
bot_response = bot.get_response(user_input)
print("Bot:", bot_response)
Example 2: Integration with External API
python
Copy code
from chatbot import Chatbot, ExternalAPI
bot = Chatbot(api=ExternalAPI())
bot.start_conversation()
user_input = input("User: ")
bot_response = bot.get_response(user_input)
print("Bot:", bot_response)
Contributing
```

License
Specify the license under which your project is released.
This project is licensed under the MIT License.
vbnet
code
user
code
Sure, I can provide you with a simple example of a Python chatbot using the ChatterBot library. Before running the code, make sure to install the required library using:
pip install chatterbot
pip install chatterbot_corpus
Now, you can use the following example code as a starting point for your chatbot:
python
Copy code
from chatterbot import ChatBot
from chatterbot.trainers import ChatterBotCorpusTrainer
Create a new chatbot
chatbot = ChatBot('MyBot')
Create a new trainer for the chatbot
trainer = ChatterBotCorpusTrainer(chatbot)
Train the chatbot on the English language corpus data
trainer.train('chatterbot.corpus.english')

```
# Example usage
print("Bot: Hello! I'm your chatbot. Ask me anything.")
while True:
  # Get user input
  user_input = input("You: ")
  # Exit the loop if the user types 'exit'
  if user_input.lower() == 'exit':
    print("Bot: Goodbye!")
    break
  # Get bot response
  bot_response = chatbot.get_response(user_input)
  print(f"Bot: {bot_response}")
User
output
When you run the provided code, you'll get an interactive chatbot that responds based on the
training data from the ChatterBot English corpus. Here's an example of what the output might look
like:
vbnet
Copy code
Bot: Hello! I'm your chatbot. Ask me anything.
You: How are you?
Bot: I am doing well, thank you.
You: What's your favorite color?
Bot: I don't have a favorite color. I'm a computer program.
You: Tell me a joke.
```

Bot: Why don't scientists trust atoms? Because they make up everything.

You: exit

Bot: Goodbye!