3/21/24, 11:42 PM BYJU'S FutureSchool



ack your progress on the go!

Install App







Congrats Daniel! This project has been marked as completed.



Project Rating



Teacher's Comment "Good"

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Last Submitted

PRO-C120: CUSTOMER SUPPORT BOT Completed

In Class 120, We Learned How To Train Your Chatbot To Get Responses From It. In This Project, We Will Create A Customer Support Chatbot.



Goal of the Project:



In class 120, we learned how to train your chatbot to get responses from it. In this project, we will create a customer support chatbot.



Story:



 \bigcirc

Alex is very excited with the fact that he will be able to make a chatbot for his website. After creating the training dataset for the chatbot, it's time for him to train his chatbot on the dataset and pull out predictions or responses from it. Now, he already has everything needed to train the model, but he needs your help to get input from the user and responses from the chatbot.

Can you help him to get a response from his chatbot and display it in a Human Readable manner?

Project Template Output

1. List of stemmed words from our dataset.

```
'anyon', 'are', 'awesom', 'be',
', 'chat', 'cool', 'could', 'di
, 'headphon', 'hello', 'help',
'latest', 'me', 'most', 'next',
'nrovid', 'see', 'sell',
          'you',
```

2. Bag of Word encoding for our First pattern and First tag.

Expected Output

Previous Submissions

16th Feb 2024

<u>Open</u> <u>Link</u>

Start Project

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Class Summary

This project is based on your last class PRO-C120

View Class Summary

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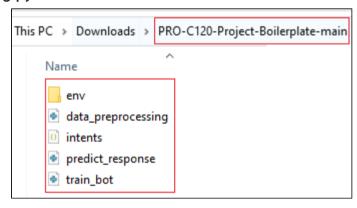




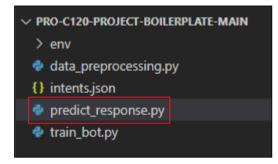




- 1. Open the Boilerplate <u>link</u> and download all the files within a **new folder** on your system.
- 2. Open the **command prompt**, traverse to that folder and create a python virtual environment inside it in such a way, so that the **virtual environment**, **intents.json and data_preprocessing.py** files are within the same folder.



- 3. Activate the virtual environment and install the **nltk and Tensorflow** library in it, using **pip install nltk** and **pip install tensorflow==2.5.0.**
- 4. Open the folder in Visual Studio code, and click on the data_preprocessing.py file.



Specific Tasks to complete the Project:

1. As soon as you Run, your project, your chatbot "Stella" is ready to help you!















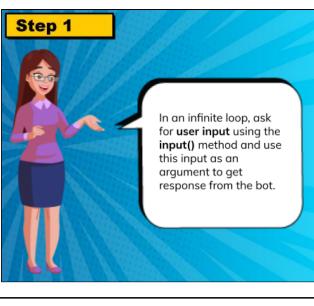




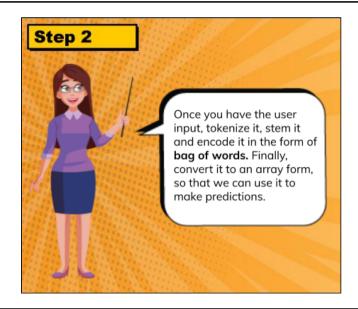


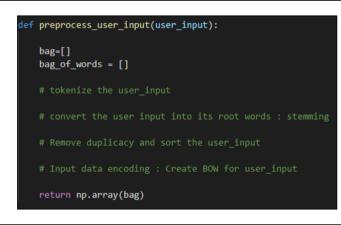


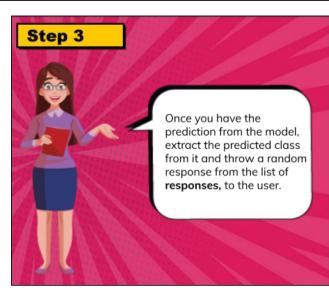




```
print("Hi I am Stella, How Can I help you?")
while True:
    # take input from the user
    user_input = input('Type you message here : ')
    response = bot_response(user_input)
    print("Bot Response: ", response)
```





























<u>(i)</u>





- 2. Click on "Run" once to check if it is working.
- 3. Open GitHub and create a repository named **Project120**.
- 4. Upload files and click **Commit Changes**.
- 5. Copy the link and submit it in the Student Dashboard Projects panel against the correct class number.

Hints:

1. To talk with your chatbot, run data_preprocessing.py file first, then train_bot.py and finally predict_response.py file. [Hint for Step 4]