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Congrats Daniel! This project has been marked as completed.

Teacher's Comment

"Good"

Project Rating

★★★☆☆

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13th Feb 2024	**Open Link**

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Class Summary

This project is based on your last class PRO-C117

View Class Summary

PRO-C117: EMOTION PREDICTOR Completed

In Class 117, You Have Learned How To Interact With A Webserver Using Ajax And Jquery. In This Project We Will Use The Same Principles To Get The Sentiments Associated With Our Products From The Server.

Goal of the Project:

In class 116, you learned about web development using Flask. In this Project you will learn how to host a website on your local server using Flask.

Story:

Alex has got some homework from his school where he has to make a website which can show his family tree, that is, it should contain some basic information about his family members like **Name, age, Picture, etc.**

Can you help him to create this kind of a webpage using **HTML , Javascript** and **python (Flask)?**

Project Template Output

Ask a doubt to your tea

HELP

Customer Review Portal

Date :

Enter Customer Review

Submit

Expected Output

HELP

```
(env) C:\Users\ITRS-1795\Desktop\Review Analysis>py_
```

Refer link :
https://s3-whjr-curriculum-uploads.whjr.online/c3c5b812-6295-4658-946a-47fd1eb2cfb6.gif
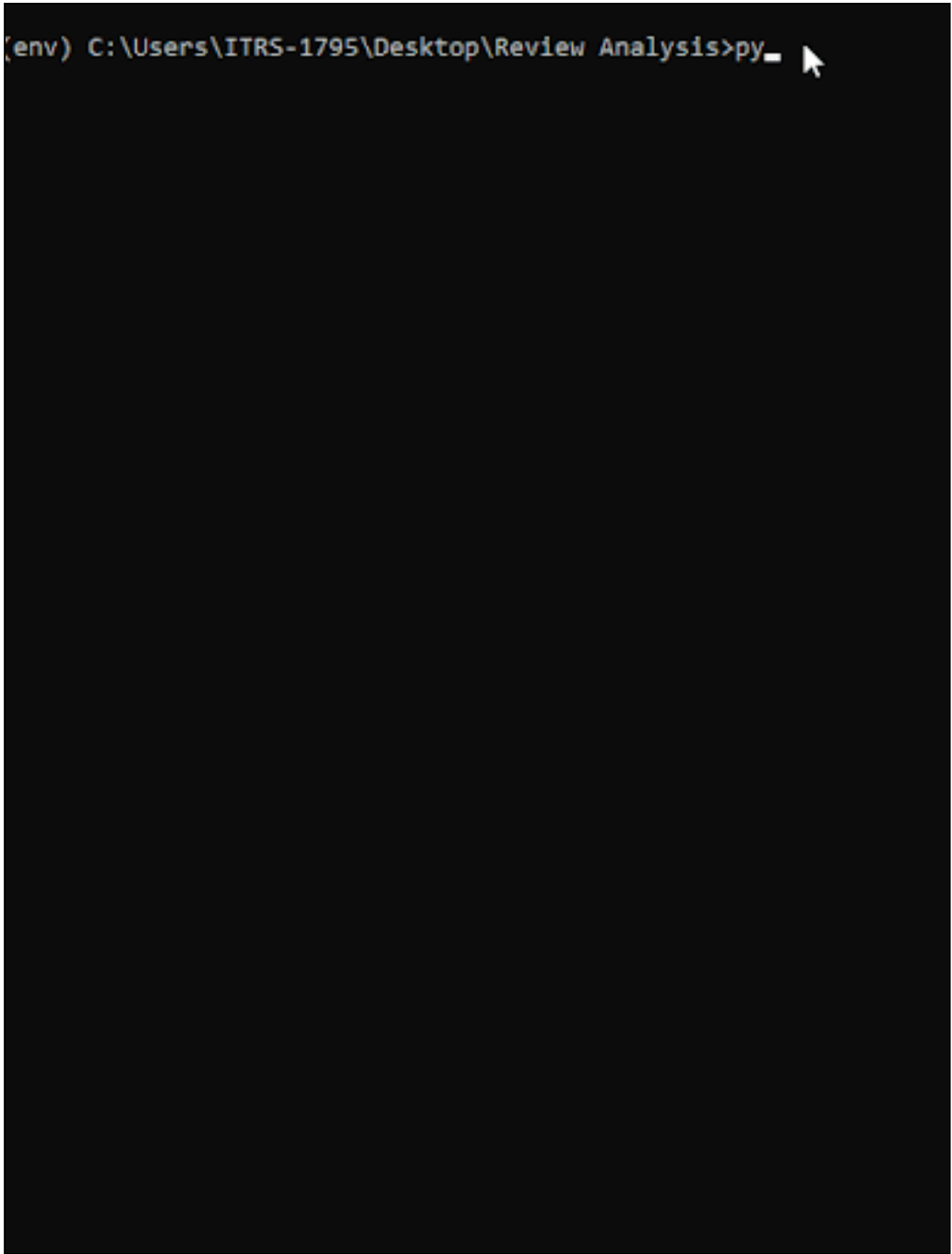
*This is just for your reference. We expect you to apply your own creativity to the project.

Getting Started:

1. Open the Boilerplate link 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** , **static folder** , **templates folder** and the **app.py** files are within the same folder.
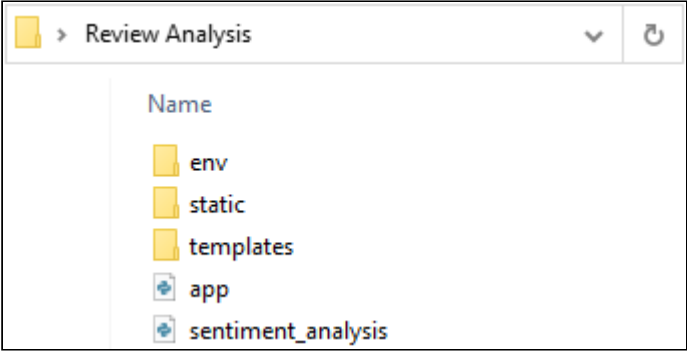
3. Activate the virtual environment and install the **flask, Tensorflow** and the **pandas** library in it, using **pip install flask** , **pip install pandas** and **pip install tensorflow==2.5.0.**

4. Open the **folder** in Visual Studio code, and click on the **app.py** file.

HELP
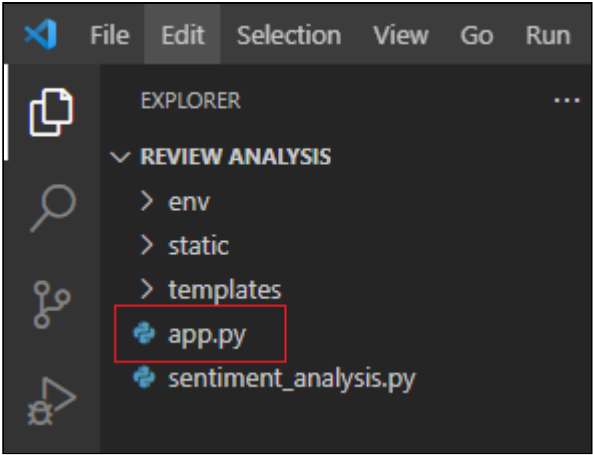
Specific Tasks to complete the Project:
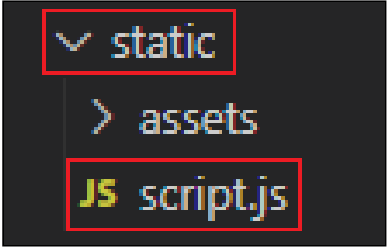

Step 1

Define an app route which will accept **POST** request from the client and return a suitable response according to the request received.

```
# write a route for post request
@app.route('' , methods = [''])
```

Step 2

Open **script.js** file which is inside the static folder, so that we can write the backend using JS and jQuery.

```
> static
    > assets
    JS script.js
```
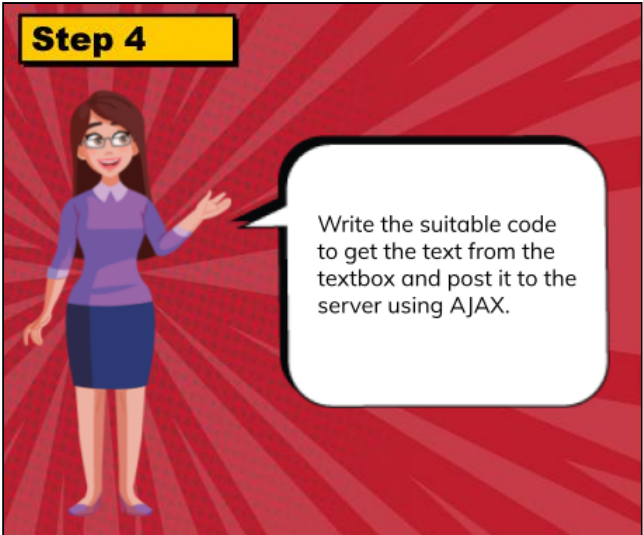
Step 3

Write a suitable function in order to display the **date** on the frontend of the website.

```
//  Fetch the current date and update it in the DOM
```

Step 4

Write the suitable code to get the text from the textbox and post it to the server using AJAX.

```
//  ajax request
$.ajax({

    //  type of web request
    type : '',

    //  Data to be sent in JSON format
    data : JSON.stringify(),
```

Step 5

After getting the **Sentiment** for the review and the image path for the **Emoticon** from the server, display them on the frontend.

```
//  if everything is successful, run this function
success : function(result){

    // extract prediction and emoticon url from result

    //  update the DOM elements

    //  show them

},
```

Submitting the Project:

1. **SAVE** all the changes made to the project.

2. Click on **"Run"** once to check if it is working. **(See Hint 1)**

3. Open GitHub and create a repository named **Project117**.

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.

HELP

Hints:

1. The dataset and model files are already included in the source folder, so if you want to
   add your model, you can replace them.
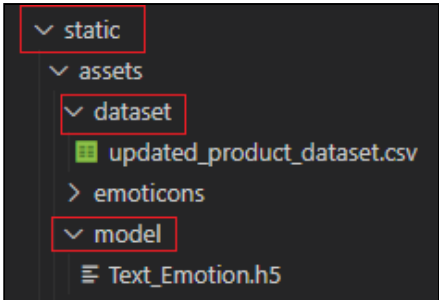
2. The syntax of JQuery is $('selector').action(). You can select elements from their ids as
   well by using the # sign.

HELP