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**ENGO 551**

## **Example ChatGPT Prompts for Project 1**

### **Query**

why isn't this working: Error: Could not locate a Flask application. Use the 'flask --app' option, 'FLASK\_APP' environment variable, or a 'wsgi.py' or 'app.py' file in the current directory.

```
PS C:\Users\mitch\OneDrive\Desktop\Uni\ENGO551\project1\project1> flask run application.py
```

Usage: flask run [OPTIONS]

Try 'flask run --help' for help.

Error: Got unexpected extra argument (application.py)

```
PS C:\Users\mitch\OneDrive\Desktop\Uni\ENGO551\project1\project1>
```

### **ChatGPT**

It looks like you are encountering an issue with how you are trying to run your Flask application. The flask run command is used to start the development server, and it expects the Flask application to be defined in a specific way.

Here are a few things you can check and adjust:

Ensure FLASK\_APP Environment Variable is Set:

Flask needs to know the name of your application. You can set the FLASK\_APP environment variable to the name of your main Python file (in this case, application.py). Run the following command in your PowerShell before executing flask run:

powershell

Copy code

```
$env:FLASK_APP = "application.py"
```

Run Flask Application:

After setting the FLASK\_APP environment variable, try running the flask run command without specifying the Python file:

powershell

Copy code

```
flask run
```

Flask will automatically look for a file named application.py in the current directory.

Ensure Flask App Instance is Named 'app':

In your application.py file, make sure you are creating an instance of the Flask app and naming it 'app':

python

Copy code

```
app = Flask(__name__)
```

Check File Naming:

Flask conventionally looks for a file named app.py or wsgi.py if the FLASK\_APP environment variable is not set. Ensure your file is named application.py and not something like app.py.

Command Syntax:

When using flask run, you don't need to specify the Python file again. The command should be just flask run.

Here's a summary of the commands you can try:

powershell

Copy code

```
$env:FLASK_APP = "application.py"
```

flask run

After making these adjustments, your Flask application should run without the "Could not locate a Flask application" error.

## Query

How can I check that my data from PyCharm is going into my SQL database?

## ChatGPT

Open a command prompt or terminal window.

Run the following command to connect to your PostgreSQL database:

bash

Copy code

```
"C:\Program Files\PostgreSQL\16\bin\psql" -U postgres -d ENGO551_MitchellAitken
```

Replace "C:\Program Files\PostgreSQL\16\bin\psql" with the correct path to your psql executable, and ENGO551\_MitchellAitken with the name of your database.

Once connected, you can query the reviews table to check its contents. Run the following SQL query:

sql

Copy code

```
SELECT * FROM reviews;
```

This will display all rows in the reviews table. Check if the review\_text column contains the comments.

If you want to see only the reviews for a specific book (identified by its ISBN), you can use a WHERE clause:

sql

Copy code

```
SELECT * FROM reviews WHERE isbn = '1416949658';
```

Replace '1416949658' with the ISBN of the book you are interested in.

If the comments are present in the database, it means they are being stored correctly. If not, there might be an issue with how comments are inserted into the reviews table.

## Query

How can you create sql or within the flask so that Users should be able to register for my website, providing (at minimum) a username and password.

Login: Users, once registered, should be able to log in to your website with their username and password.

Logout: Logged-in users should be able to log out of the site.

## Response:

To implement user registration, login, and logout functionality in your Flask application, you can use Flask's built-in Flask-Login extension for managing user sessions.

## Query:

What the heck does this mean: Press CTRL+C to quit

127.0.0.1 - - [25/Jan/2024 15:17:02] "GET / HTTP/1.1" 200 -

127.0.0.1 - - [25/Jan/2024 15:17:05] "GET /search HTTP/1.1" 200 -

127.0.0.1 - - [25/Jan/2024 15:17:10] "POST /search HTTP/1.1" 200 -

b'{"error": {"code": 403, "message": "Books API has not been used in project 844261825793 before or it is disabled. Enable it by visiting

<https://console.developers.google.com/apis/api/books.googleapis.com/overview?project=844261825793> then retry. If you enabled this API recently, wait a few minutes for the action to propagate to our systems and retry."}

errors": [{"message": "Books API has not been used in project 844261825793 before or it is disabled. Enable it by visiting

<https://console.developers.google.com/apis/api/books.googleapis.com/overview?project=844261825793> then retry. If you enabled this API recently, wait a few minutes for

the action to propagate to our systems and retry."}, {"domain": "usageLimits", "reason": "accessNotConfigured", "extendedHelp": "https://console.developers.google.com"}], "status": "PERMISSION\_DENIED", "details": [{"@type": "type.googleapis.com/google.rpc.Help", "links": [{"description": "Google developers console API activation", "url": "https://console.developers.google.com/apis/api/books.googleapis.com/overview?project=844261825793"}], "@type": "type.googleapis.com/google.rpc.ErrorInfo", "reason": "SERVICE\_DISABLED", "domain": "googleapis.com", "metadata": {"service": "books.googleapis.com", "consumer": "projects/844261825793"}]}

127.0.0.1 - - [25/Jan/2024 15:17:12] "GET /book/1416949658 HTTP/1.1" 200 -

## ChatGPT

The error message indicates that the Google Books API has not been enabled for your project or it is disabled. To resolve this issue, you need to enable the Books API in the Google Cloud Console.

Here are the steps you can follow:

Go to the Google Cloud Console.

Select your project (project number: 844261825793).

In the left sidebar, click on "APIs & Services" > "Dashboard."

Click on the "+ ENABLE APIS AND SERVICES" button.

In the search bar, type "Books API."

Select the "Books API" from the results.

Click the "ENABLE" button.

After enabling the Books API, wait a few minutes for the changes to propagate, and then try accessing a book page again. The error should be resolved, and you should see the book details on the page.

If you continue to face any issues or have further questions, feel free to ask!

### Query

```
getting this error, what does it mean 127.0.0.1 - - [25/Jan/2024 19:15:37] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [25/Jan/2024 19:15:37] "GET /static/styles.css HTTP/1.1" 404 -
127.0.0.1 - - [25/Jan/2024 19:15:41] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [25/Jan/2024 19:15:41] "GET /static/styles.css HTTP/1.1" 404 -
```

### ChatGPT

The 404 error indicates that Flask cannot find the styles.css file in the static folder. In Flask, static files such as CSS should be placed in a folder named static at the top level of your project directory.

Here's a revised directory structure based on your previous messages:

```
lua
Copy code
project/
|-- app.py
|-- templates/
|   |-- index.html
|-- static/
|   |-- styles.css
|   |-- images/
|       |-- bookBG.jpg
```

### Query

*copy pasted error message from code, along with the code itself*

### ChatGPT

Your code looks correct, and you have the print statement to check the values. Since you're seeing the print statement in the console with the correct values, it indicates that the data is being submitted correctly.

The issue might be with the rendering of the comments in the template. In your book.html file, the comment is displayed as {{ review.comment }}, and since it's not showing up on the page, let's check a few things:

Ensure that the comment attribute exists in the Review class. In your Review class definition, you have review\_text = Column(String, nullable=False). If you are using comment in the template, make sure it matches the attribute name in the class.

```
python
Copy code
class Review(Base):
```

```
__tablename__ = 'reviews'
```

```
id = Column(Integer, primary_key=True)
```

```
book_isbn = Column(String, ForeignKey('books.isbn'), nullable=False) # Change 'isbn' to 'book_isbn'
```

```
user_id = Column(String, nullable=False)
```

```
rating = Column(Integer, nullable=False)
```

```
comment = Column(String, nullable=False) # Make sure this matches the attribute name in the template
```

```
created_at = Column(DateTime, default=datetime.utcnow, nullable=False)
```

Update the attribute name in the template if necessary. If you have changed the attribute name to comment, make sure it's reflected in the template.

html

Copy code

```
<!-- Display reviews -->
```

```
<h3>Reviews</h3>
```

```
{% if reviews %}
```

```
<ul>
```

```
    {% for review in reviews %}
```

```
        <li>
```

```
            {% if review.user_id %}
```

```
                User {{ review.user_id }}
```

```
            {% else %}
```

```
                Anonymous User
```

```
            {% endif %}
```

```
            rated it {{ review.rating }} and said: "{{ review.comment }}" ({{ review.created_at }})
```

```
        </li>
```

```
    {% endfor %}
```

```
</ul>
```

```
{% else %}
```

```
<p>No reviews yet.</p>
```

```
{% endif %}
```

Make these adjustments and check if the comments are displayed correctly. If the issue persists, we might need to explore further.