### **Bug 1: Incorrect Handling of Form Submission**

Description: The route is set to handle POST requests, but the form in the HTML is not using the POST method to submit data.

Approach to Resolve:

* Updated the HTML form to use the POST method for submitting data to the server.

### **Bug 2: Improper Retrieval of Form Data**

Description: In Flask, when using the POST method, form data is typically accessed through the request.form object, not request.args.

Approach to Resolve:

* Used request.form.get("note") to properly retrieve form data from the request object.

### **Bug 3: Template Not Found Error**

Description: Flask is unable to find the home.html template file in the expected location.

Approach to Resolve:

* Created a folder named templates in the same directory as app.py and moved the home.html file into it.

### **Bug 4: Handling of Empty Notes**

Description: The code does not check if the note is empty before appending it to the list of notes.

Approach to Resolve:

* Added a condition to check if the note is not empty before appending it to the list of notes.

### **Revised Code:**

from flask import Flask, render\_template, request

app = Flask(\_\_name\_\_)

notes = []

@app.route('/', methods=["GET", "POST"])

def index():

if request.method == "POST":

note = request.form.get("note")

if note: # Check if note is not empty

notes.append(note)

return render\_template("home.html", notes=notes)

if \_\_name\_\_ == '\_\_main\_\_':

app.run(debug=True)

### **Additional Steps:**

* Ensured Flask is installed (pip install Flask).
* Run the Flask application by executing python app.py in the terminal.
* Accessed the application in the web browser by navigating to http://127.0.0.1:5000/ or http://localhost:5000/.

Following these steps have resolved the identified bugs and made the Note Taking Application fully functional.