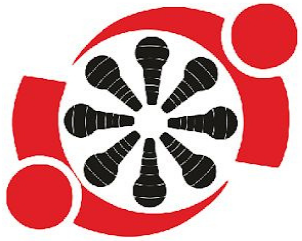

INNOMATICS®
RESEARCH LABS

INNOVATION. AUTOMATION. ANALYTICS

PROJECT ON

CODE REFACTORING AND BUG FIXING

About me

I'm Ananthakrishnan KS, a passionate Data Science Student. With expertise in data analysis, machine learning, I specialize in deriving actionable insights from complex Datasets. I thrive on solving challenging Problems and stay updated with the latest advancements in data science. Collaborative by nature, I Enjoy working in dynamic teams to drive innovation.

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Scenario

A team of enthusiastic data scientists embarked on a mission to develop a Note Taking Application using Python, Flask, and HTML. However, their lack of experience in backend development has led to challenges in making the application fully functional. Recognizing your proficiency in backend development, you have been tasked with fixing the broken code and ensuring the application works seamlessly.

Task

Refactor the existing codebase and ensure the proper functioning of the Note Taking Application. Document all identified bugs during the debugging process. Remember, the task is not about recreating the app from scratch. Your goal is to fix the already existing codebase and make the application work as intended.

Identifying the Bugs in the Code given:

home.html

```
note_taking_app > templates > home.html > ...
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
    <title>Document</title>
</head>
<body>
    <form action="">
        <input type="text" name="note" placeholder="Enter a note">
        <button>Add Note</button>
    </form>

    <ul>
    {% for note in notes%}
        <li>{{ note }}</li>
    {% endfor %}
    </ul>
</body>
</html>
```

app.py

```
note_taking_app > app.py > ...
from flask import Flask, render_template, request

app = Flask(__name__)

notes = []
@app.route('/', methods=["POST"])
def index():
    note = request.args.get("note")
    notes.append(note)
    return render_template("home.html", notes=notes)


if __name__ == '__main__':
    app.run(debug=True)
```

The application codes containing bugs, therefore to make the application run we need to make changes by identifying.

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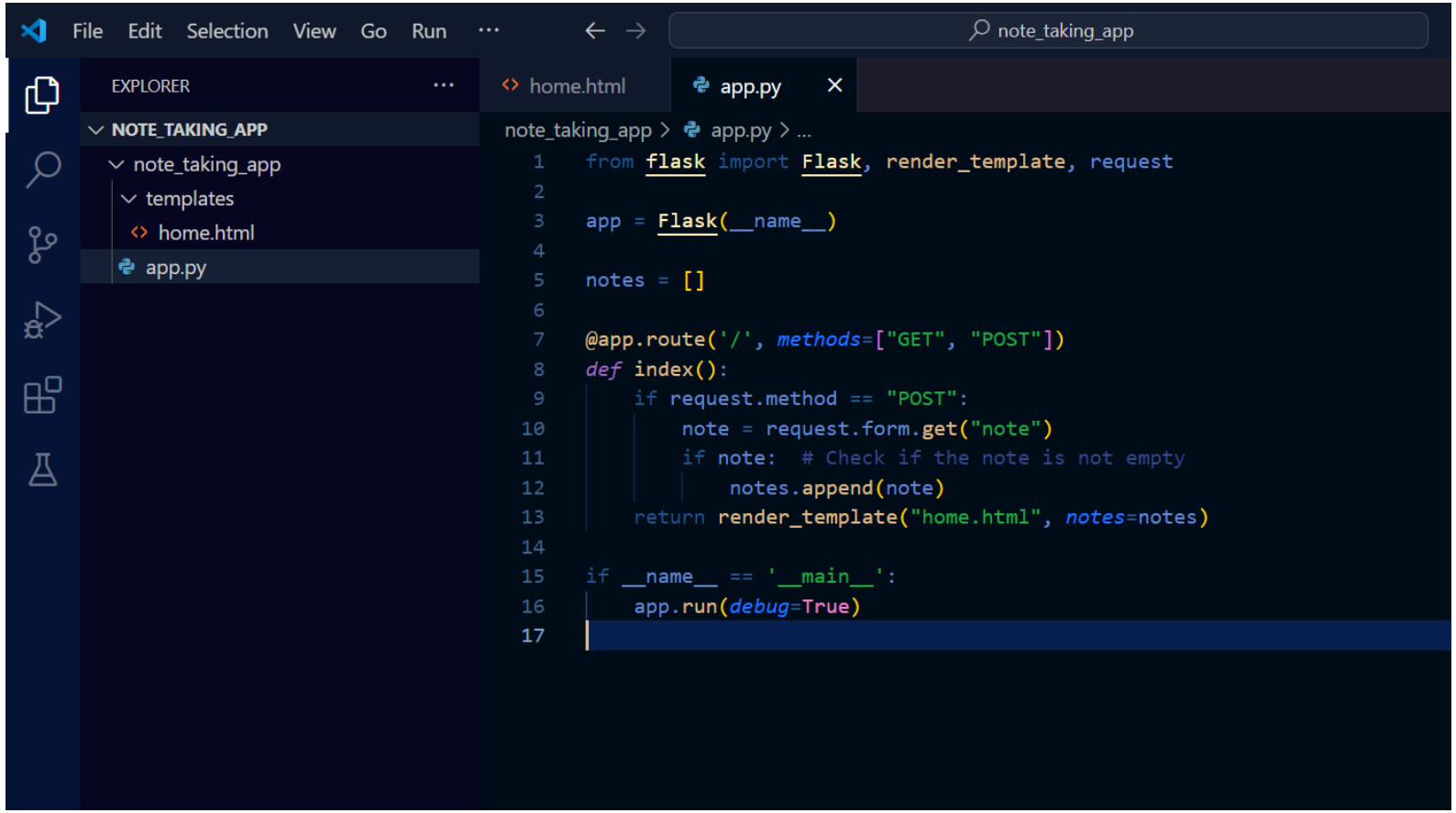
Identifying and correcting Bugs in python application program



This is the code snippet after identifying bugs in python application program

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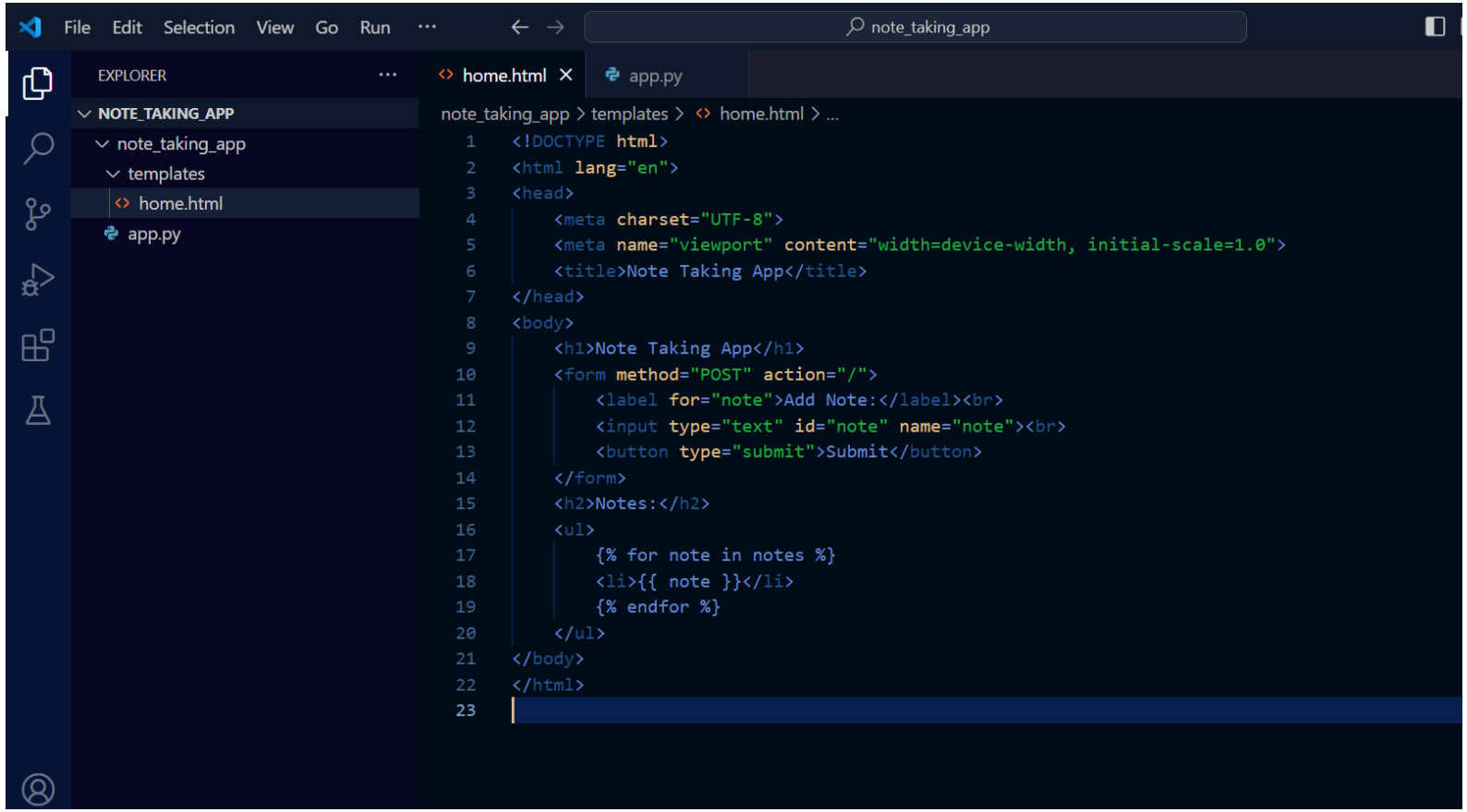
Identifying and correcting Bugs in the HTML Code:



This is the HTML code after identifying & correcting the bugs.

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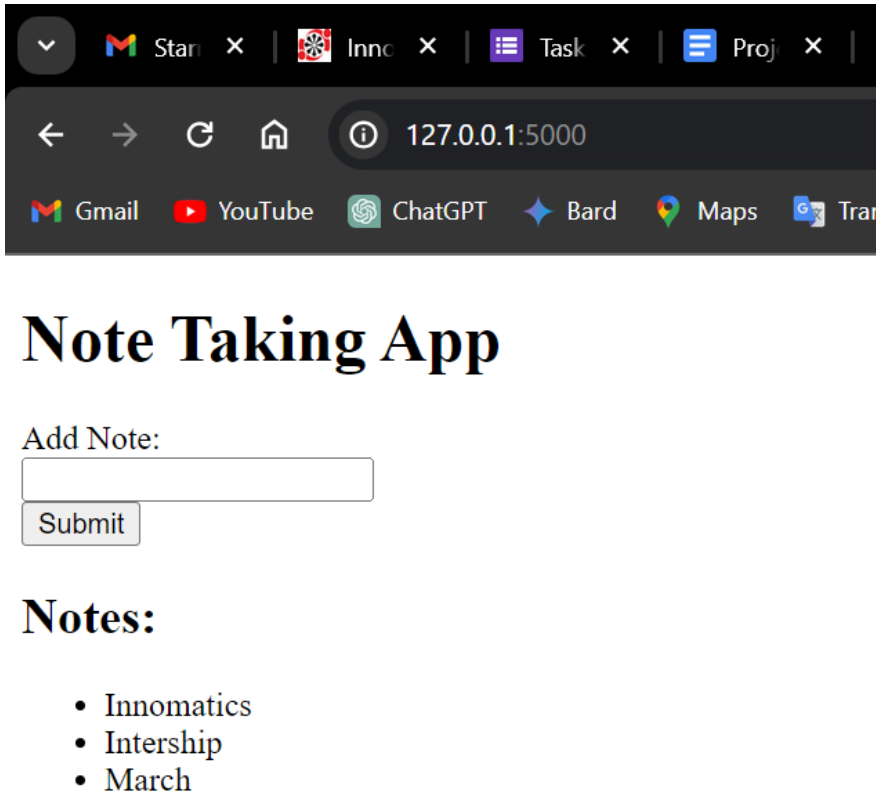
Developing Output



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THANK YOU

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