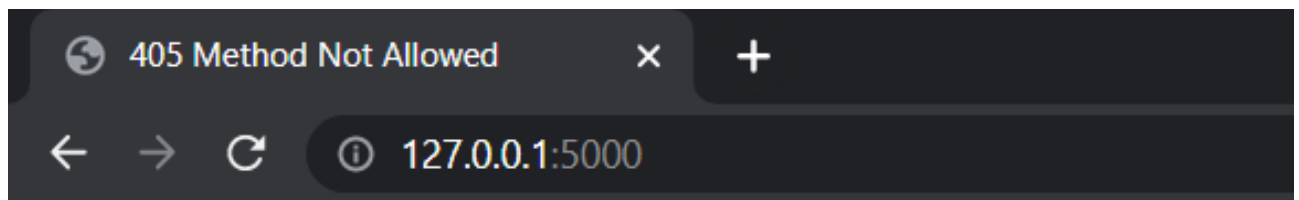


# **DEBUGGING OF NOTE TAKING APP**

We are given a note taking application with only one route (i.e. Home Route). This application is broken.

Our task is to refactor the code and try to make sure the application works properly.

### Output of Broken Code



## Method Not Allowed

The method is not allowed for the requested URL.

# Changes in Backend:

- I added GET method along with the POST method as we wanted to return to home page when there is no data with GET request and POST request when there is data.
- The method passed in the route was “POST” but the request to fetch the data was “.arg” which is for “GET” request. So , I changed it to “.form”.
- There should be different return statements for both “GET” and “POST” request. SO I added return method for “GET” request.

## Before

```
Task-10 > app.py > index
1 from flask import Flask, render_template, request
2
3 app = Flask(__name__)
4
5 notes = []
6 @app.route('/', methods=["POST"])
7 def index():
8     note = request.args.get("note")
9     notes.append(note)
10    return render_template("home.html", notes=notes)
11
12
13 if __name__ == '__main__':
14     app.run(debug=True)
```

## After

```
Task-10 > app.py > index
1 from flask import Flask, render_template, request
2
3 app = Flask(__name__)
4
5 notes = []
6 @app.route('/', methods=["GET", "POST"])
7 def index():
8     if request.method=="POST":
9         note = request.form["note"]
10        notes.append(note)
11        return render_template("home.html", notes=notes)
12    return render_template("home.html")
13
14
15 if __name__ == '__main__':
16     app.run(debug=True)
```

# Changes in Frontend:

- I added method type as 'post' in form next to action as when we will feed some data, it will get displayed through POST request.

Before

```
Task-10 > templates > home.html > html > body > ul
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7     <title>Document</title>
8   </head>
9   <body>
10    <form action="">
11      <input type="text" name="note" placeholder="Enter a note" />
12      <button>Add Note</button>
13    </form>
14
15    <ul>
16      {% for note in notes%}
17      <li>{{ note }}</li>
18      {% endfor %}
19    </ul>
20  </body>
21 </html>
22
```

After

```
Task-10 > templates > home.html > html > body > ul
1 <!DOCTYPE html>
2 <html lang="en">
3   <head>
4     <meta charset="UTF-8" />
5     <meta http-equiv="X-UA-Compatible" content="IE=edge" />
6     <meta name="viewport" content="width=device-width, initial-scale=1.0" />
7     <title>Document</title>
8   </head>
9   <body>
10    <form action="" method="post">
11      <input type="text" name="note" placeholder="Enter a note" />
12      <button>Add Note</button>
13    </form>
14
15    <ul>
16      {% for note in notes%}
17      <li>{{ note }}</li>
18      {% endfor %}
19    </ul>
20  </body>
21 </html>
22
```

# Final Output

 Document × +

   127.0.0.1:5000

- my name is
- aditya