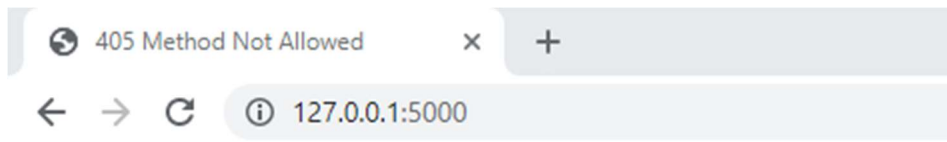# DEBUGGING THE NOTE TAKING APPLICATION.

NAME : ALMAS BANU

Note Taking App:

Home route contains a '**text field**' and a '**button**'. User can add a note and all the notes will be displayed as an unordered list below the text field on the same page.

The given note taking application is giving an error **Method Not Allowed.**

❖ **Code given is like this –**

```
app.py        ×
note_taking_app >  app.py > ...
   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)
```

```
PROBLEMS   OUTPUT   TERMINAL   JUPYTER   DEBUG CONSOLE                                      Python  +

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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Almas Banu\Desktop\internship_flask_sessions> & D:/Anaconda/python.exe "c:/Users/Almas Banu/Desktop/internship_flask_sessions/note_taking_app/app.py"
 * Serving Flask app "app" (lazy loading)
 * Environment: production
   WARNING: This is a development server. Do not use it in a production deployment.
   Use a production WSGI server instead.
 * Debug mode: on
 * Restarting with windowsapi reloader
 * Debugger is active!
 * Debugger PIN: 314-130-766
 * Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [13/Aug/2022 20:52:59] "GET / HTTP/1.1" 405 -
```

- **In app.route the method specified is POST and while taking input we are using <u>GET</u> method since <u>request.args.get().</u>**
- **Lets divide the work over here,First we will display the html page by default route option GET and while assigning input to notes variable we will use POST method.**
- **<u>POST method is more secure than GET</u>.**
- **If we are <u>using POST method</u> then while assigning input we have to use <u>request.form.get().</u>**
- **We have to specify both methods in @app.route as <u>methods=['GET','POST']</u>**

❖ **After Making the changes**

```python
app.py    ×

note_taking_app_new >  app.py > ...
   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.get("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)
```

❖ **Before :**

        home.html

home.html ×

note_taking_app > templates > home.html

```html
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>
```

❖ **After:**

home.html

app.py   home.html ×

note_taking_app_new > templates > home.html > ...

```html
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>Note-Taking App</title>
8   </head>
9   <body style="background-color: antiquewhite">
10      <h1>Take a Note!</h1>
11      <form action="" method="post">
12          <input type="text" name="note" placeholder="Enter a note" style="height:80px;width:400px">
13          <br/>
14          <br/>
15          <button>Add Note</button>
16      </form>
17      {% if notes %}
18      <ul>
19      {% for note in notes%}
20          <li>{{ note }}</li>
21      {% endfor %}
22      </ul>
23      {% endif %}
24  </body>
25  </html>
```
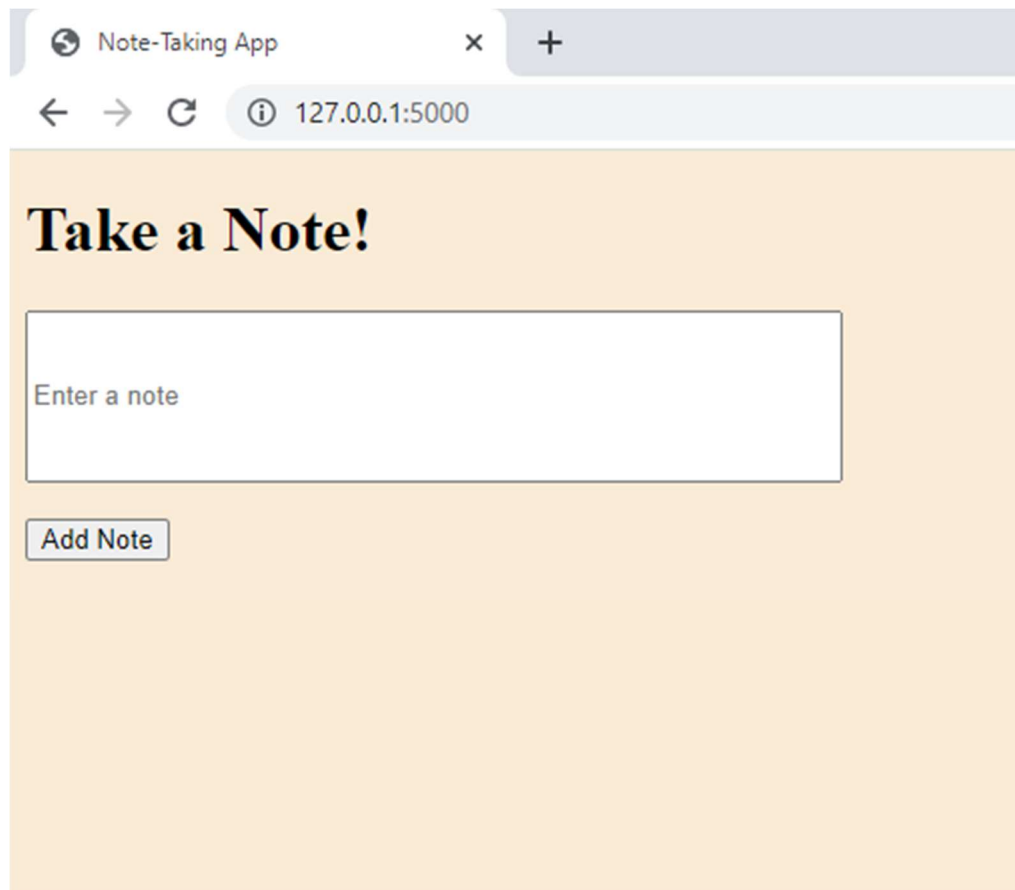
Just increased the textarea and added styles for presentation.

Since we want our inputs to be secured I have specified method="post" in form tag.

After Solving the bugs,

The Output

Note-Taking App   ×   +

← → C ⓘ 127.0.0.1:5000

Take a Note!

Enter a note

Add Note

- Hello
- I am Almas Banu
- Data Science Intern @Innomatics Research Labs
-
- Thank You!
- Have a nice day!