



INNOVATION. AUTOMATION. ANALYTICS

PROJECT ON

NOTE TAKING APPLICATION

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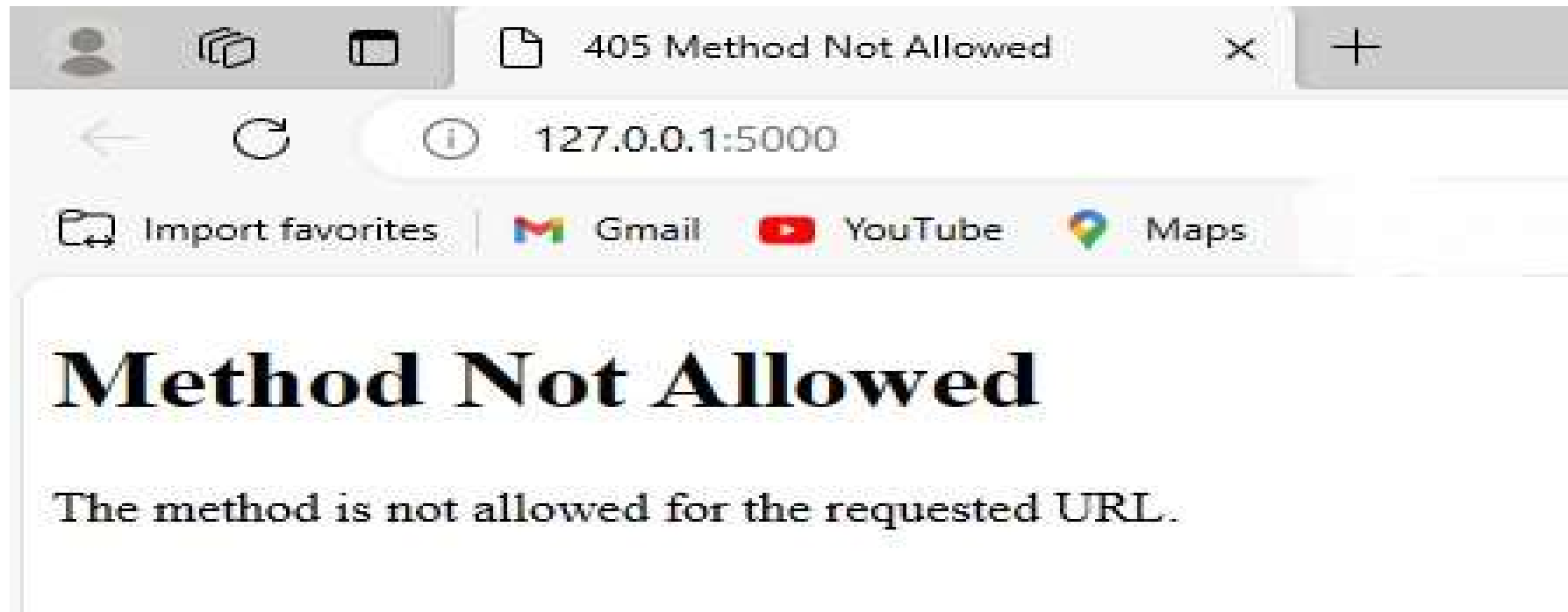
About me

My name is Siddhi and completed Bachelor's degree in Mechanical Engineering (BE). Despite my engineering background, I developed a keen interest in the field of Data Science. The reason behind my inclination towards Data Science is its ability to uncover valuable insights from data, which can be applied across various industries. I see it as a powerful tool to analyze and interpret information, ultimately aiding in better decision-making. While my formal education is in mechanical engineering, I believe that learning Data Science will complement my skills and open up new opportunities for me to contribute meaningfully in today's data-driven world.

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.

After running the app, we get error like Method not Defined



Identification of Bugs:

Bug 1: Incorrect request method defined in the Flask route

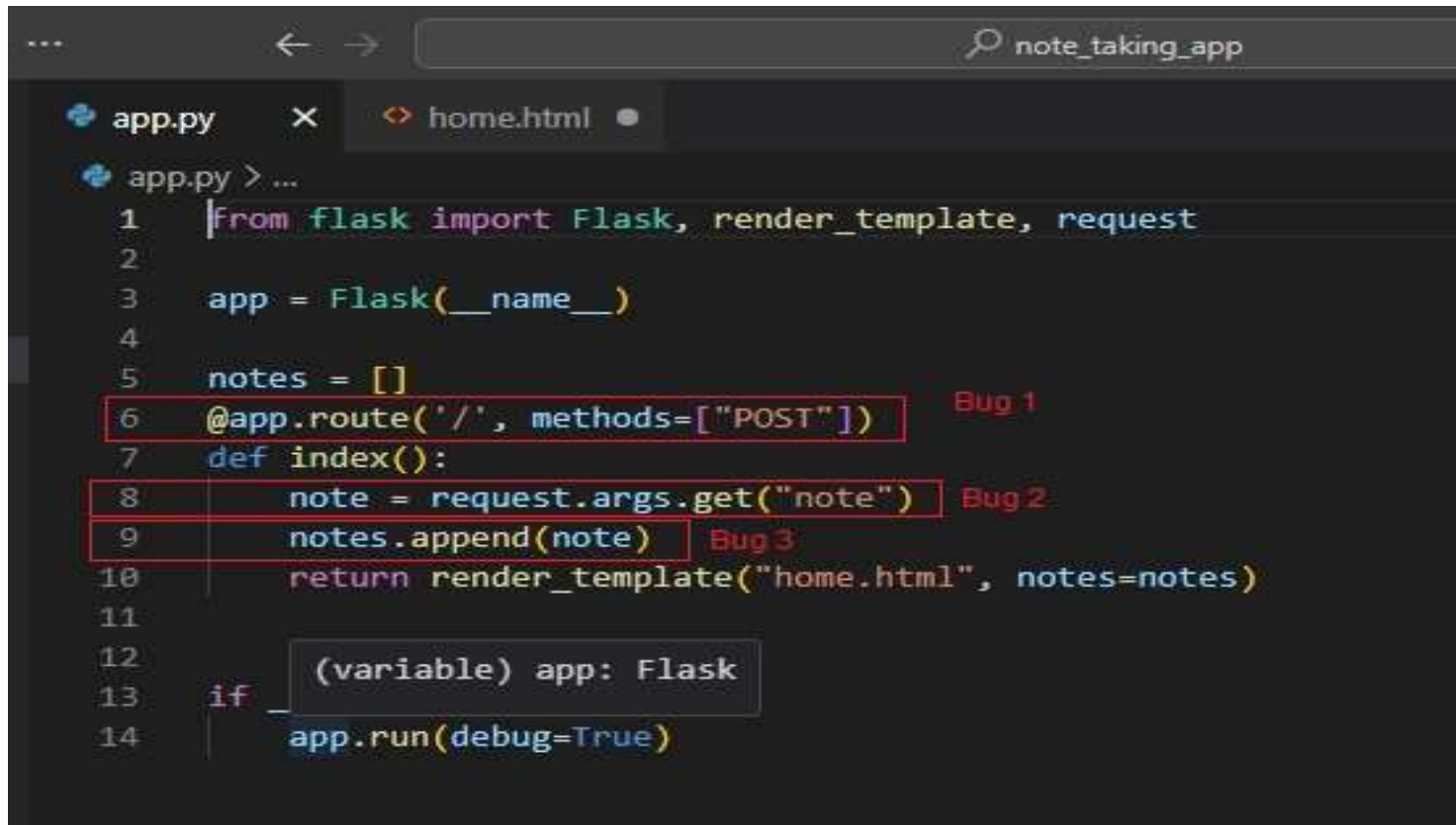
Bug 2: Incorrect Flask request object used to obtain data

Bug 3: There is no 'If' condition

Bug 4: Form attribute Action is empty/missing

Bug 5: Submit type attribute is missing

Bugs finding in the Application



The screenshot shows a code editor with a dark theme. The top bar has a search icon and the text 'note_taking_app'. Below the top bar, there are two tabs: 'app.py' (active) and 'home.html'. The code in 'app.py' is as follows:

```
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     (variable) app: Flask
13 if
14     app.run(debug=True)
```

Three bugs are highlighted with red boxes and labels:

- Bug 1:** A red box around line 6, `@app.route('/', methods=["POST"])`, with the label "Bug 1" to its right.
- Bug 2:** A red box around line 8, `note = request.args.get("note")`, with the label "Bug 2" to its right.
- Bug 3:** A red box around line 9, `notes.append(note)`, with the label "Bug 3" to its right.

Fixing Bugs in the Application

```
app.py  x  home.html
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"]) 1
7  def index():
8      note = request.form.get("note") 2
9      if note:
10         notes.append(note)
11         return render_template("home.html", notes=notes)
12
13
14 if __name__ == '__main__':
15     app.run(debug=True)
```

Bugs finding in the HTML

```
..  <-- -->  note_taking_app

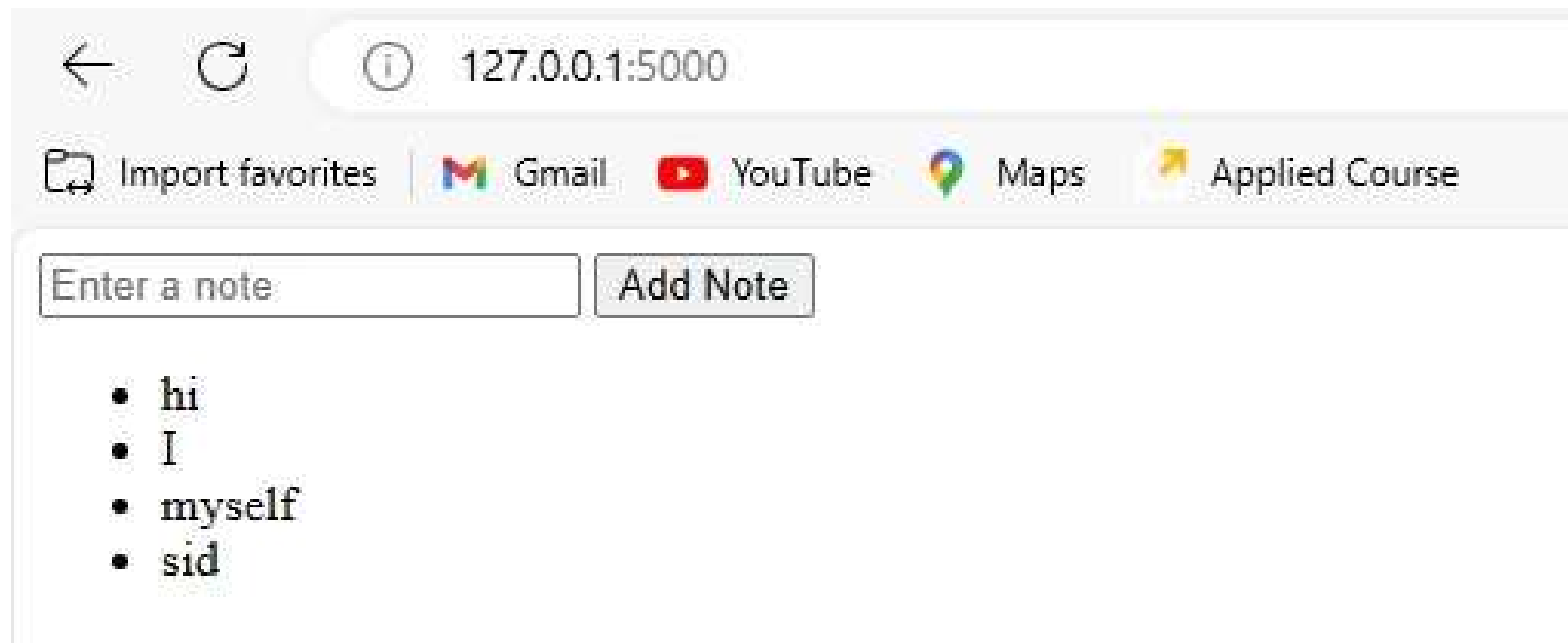
app.py  home.html ●

templates > home.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=""> Bug 4
11         <input type="text" name="note" placeholder="Enter a note">
12         <button>Add Note</button> Bug 5
13     </form>
```


Fixing bugs in the HTML

```
app.py  home.html X
templates > home.html > html > body > form > button
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"> 4
11         <input type="text" name="note" placeholder="Enter a note">
12         <button type="submit">Add Note</button> 5
13     </form>
```

After Fixing all the Bugs:



THANK
YOU

