



INNOVATION. AUTOMATION. ANALYTICS

Code Refactoring and Bug Fixing REPORT

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Bug 1: There was a bug in method in Route Definition

Issue: In app.py the route was defined with **methods = ['POST']**, but in home.html was using the default GET Method.

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

Solution: I changed the route as **methods=['POST', 'GET']** in app.py.

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

Bug 2: There was a bug in Request method in Index Function

Issue: In app.py file the index function was only handling POST requests, but the form was not specifying a method, resulting in GET request.

```
def index():  
    note = request.args.get("note")  
    notes.append(note)  
    return render_template("home.html", notes=notes)
```

Solution: I changed the index function to check for the requests method and correct both GET and POST methods.

```
def index():  
    if request.method == 'POST':  
        note = request.form.get("note")  
        notes.append(note)  
    return render_template("home.html", notes=notes)
```

Bug 3: Missing type attribute in Submit button

Issue: In the given home.html file there was no type attribute to Add Note button.

```
<button>Add Note</button>
```

Solution: I add the type attribute with the value submit to the button

```
<button type="submit">Add Note</button><br>
```

Bug 4: Incorrect use of `request.args`

Issue: In the app.py file used `request.args.get("note")` instead of `request.form.get("note")` to get form data

```
note = request.args.get("note")
```

Solution: I changed the code to `request.form.get("note")` for obtaining form data

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

"Now ,all the bugs has solved , The web application is running properly ."

Welcome to My Note Taking App

- Python is a high-level, general-purpose programming language. Its design philosophy emphasizes code readability with the use of significant indentation. Python is dynamically typed and garbage-collected. It supports multiple programming paradigms, including structured, object-oriented and functional programming.
- Data science is an interdisciplinary academic field that uses statistics, scientific computing, scientific methods, processes, algorithms and systems to extract or extrapolate knowledge and insights from potentially noisy, structured, or unstructured data.
- Welcome to my notetaking app

