

Bugs Fixes(app.py)

Bug 1: Home route does not contain GET requests

Problem:

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

This caused an error when opening the page directly in the browser.

Fix:

Added both GET and POST methods:

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

Bug 2: Incorrect method used to fetch form data

Problem:

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

request.args works only for GET requests.

Fix:

Used request.form for POST requests:

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

Bug 3: HTML form missing method attribute

Problem:

```
<form action="">
```

Default method is GET, but backend expected POST.

Fix:

```
<form method="POST">
```

Bug 4: Notes added even when input was empty

Problem:

Empty values were appended to the list.

Fix:

Added validation:

if note:

```
notes.append(note)
```

Bug 5: Notes not displayed on initial page

Problem:

Page rendering happened only after POST.

Fix:

Rendered template for both GET and POST:

```
return render_template("home.html", notes=notes)
```

Bugs(HTML)

Bug 1: Form method not specified

Original code

```
<form action="">
```

Issue

Default method is GET

Backend expects POST

Form data was not reaching Flask correctly

Fix

```
<form method="POST">
```

Bug 2: Button type not defined

Original

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

Issue

Browser behavior can be inconsistent

Best practice is to explicitly define submit type

Fix

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

Bug 3: No validation for empty input

Original

```
<input type="text" name="note" placeholder="Enter a note">
```

Issue

Allowed empty notes to be submitted

Fix

```
<input type="text" name="note" placeholder="Enter a note" required>
```

Bug 4: Poor page title

Original

```
<title>Document</title>
```

Fix

```
<title>Note Taking App</title>
```