

# Code Refactoring And Bug fixing

## Changes Made:

- ✓ **Added GET method:** The route '/' now accepts both GET and POST requests. This allows rendering the form initially and handling form submissions.
- ✓ **Request form retrieval:** Changed `request.args.get("note")` to `request.form.get("note")` to correctly retrieve form data submitted via POST request.
- ✓ **Note validation:** Added a check to ensure that the note is not empty before appending it to the list of notes.

```
<form action="" method="POST"> <!-- Changed action to "/" and added method="POST" -->
  <input type="text" name="note" placeholder="Enter a note">
  <button type="submit">Add Note</button>
</form>
```

```
@app.route('/', methods=["GET", "POST"]) # Adding "GET" Method
def index():
    if request.method == "POST":
        note = request.form.get("note")
        if note: # Ckeck if note is not Empty
            notes.append(note)

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

## Clear Report:

- ✓ The code has been refactored to handle both GET and POST requests to the '/' route.
- ✓ Retrieval of form data has been corrected to use `request.form.get()` method for POST requests.
- ✓ A validation step has been added to ensure that only non-empty notes are appended to the list.
- ✓ Overall, the code is now more robust and follows best practices for handling form submissions in Flask applications.