Below is a complete list of bugs found and how I fixed each one of them.

1. Home Route Did Not Support GET Requests

Bug

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

- The home page could not be loaded initially because only POST was allowed.

- Visiting http://127.0.0.1:5000/ caused a **405 Method Not Allowed** error.

Fix

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

Reason

- The page must render on GET

- Form submission happens on POST

2. Incorrect Data Retrieval Method

Bug

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

- request.args is only for **query parameters (GET)**

- The form sends data using POST

Fix

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

Reason

- request.form correctly reads POSTed form data

3. Form Did Not Specify Method

Bug (HTML)

<form action="">

- Default method is GET

- This conflicted with server-side POST logic

Fix

<form method="POST" action="/">

Reason

- Explicitly aligns frontend form submission with Flask route

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4. Notes Appended Even When Empty

Bug

notes.append(note)

- Empty notes (None or blank strings) were added to the list

Fix

if note:

   notes.append(note)

Reason

- Prevents empty list items from rendering

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5. Page Refresh Caused Duplicate Notes

Bug

- Refreshing the page after submitting re-sent the POST request

- This duplicated the last note

Fix

return redirect(url_for("index"))

Reason

- Implements the **POST → Redirect → GET (PRG)** pattern

- Prevents duplicate submissions on refresh

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6. Template Assumed notes Always Exists

Bug

- If the page loaded without notes, template could break in some setups

Fix

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

Reason
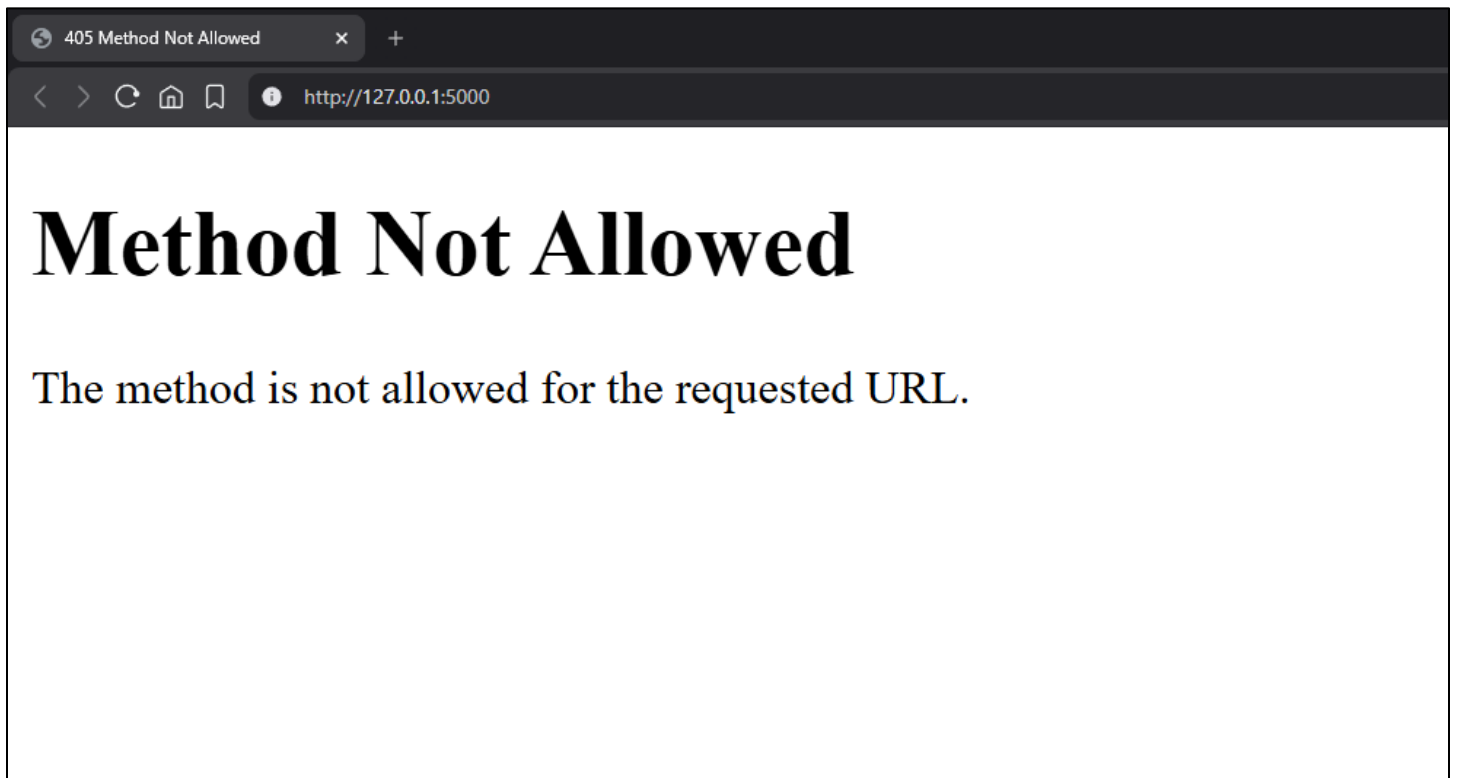
- Always sends notes context variable to the template

How the App works:

- User loads / → GET request → page renders
- User submits note → POST request
- Note is validated and stored
- App redirects back to /
- Notes render as an unordered list

App Screenshot (before fixing the bugs):

App Screenshot (after fixing the bugs):