

## Bugs in the Note Taking Application

- The HTML form was missing the method attribute, which defaults to GET if not specified. Since we want to use POST to submit the form data, we need to explicitly set the method to POST in the form tag.
- In the index function, we used the `request.args` method to retrieve the note data from the form. However, since we are using POST, we should use `request.form` instead.
- I added an additional check in the index function to ensure that the notes list is defined in the user's session before attempting to append a new note. This is to avoid a `KeyError` if the user does not have any notes stored in their session.
- I added a check in the index function to ensure that the note is not empty before adding it to the notes list.
- I added a `debug=True` argument to the `app.run()` method to enable debug mode, which helps with troubleshooting and development.
- I added a secret key to the Flask app to enable session support. This is required by Flask when using the session object.