

**Code Refactoring and Bug Fixing**

**OBJECTIVE:**

Modify the incorrect code or methods present in existing code and rectify accordingly to make it successfully functional .

**ERRORS AND RECTIFICATION:**

**Errors 1:**

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

**By default any route will have GET method in it ,here in app.py file ,the route is defined with post method(above code) ,but the corresponding html file will take the default get request.**

**Since GET method is not defined in the method ,user will encounter error .**

**Rectified code:**

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

**Errors 2:**

def index():

    note = request.args.get("note")

    notes.append(note)

    return render\_template("home.html", notes=notes)

**In the index function, the request was only considering POST method, but in the html form there was no method specified , and if considers the default GET method.**

    note = request.args.get("note")

**The above method is used to get note from the request, but in the html code, the form data is sent, so the above should be modified to request.form.get(“note”).**

**Rectified Code:**

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

def index():

    if request.method=="POST":

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

       notes.append(note)

    return render\_template("home.html", notes=notes)

**Error 3:**

<form action="">

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

        <button>Add Note</button>

    </form>

**In the corresponding html file, the form action is empty, which won’t match the route specified in the flask app.py. We need to specify the route and method “/” ,when the data is submitted ,it will be redirected to “/” route. The method attribute should be sent to POST method after submitting.**

**Also we see that the there is no attribute specified in Button for submitting the data ,so we need to have submit attribute to submit the data.Now the button will submit the form upon clicking it.**

**Rectified Code:**

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

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

        <button type="Submit">Add Note</button>

    </form>

**Conclusion:**

**The bugs are fixed in the code and now the app is running successfully .**