INNOMATICS®
RESEARCH LABS

INNOVATION. AUTOMATION. ANALYTICS

Code Refactoring and Bug Fixing REPORT

Report by Sathish Vanga

Bug 1: Incorrect method in Route Definition

Issue: In app.py the route was defined with **methods = ['POST']**, but in home.html was using the default GET Method.

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

Solution: I have modified the route as **methods=['POST',' GET']** in app.py.

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

Bug 2: Incorrect Request method in Index Function

Issue: In app.py file the index function was only handling POST requests, but the form was not specifying a method, resulting in GET request.

```python
def index():
    note = request.args.get("note")
    notes.append(note)
    return render_template("home.html", notes=notes)
```

Solution: I have updated the index function to check for the requests method and handle both GET and POST methods.

```
def index():
    if request.method == 'POST':
        note = request.form.get("note")
        notes.append(note)
    return render_template("home.html", notes=notes)
```

Bug 3: Missing type attribute in Submit button

Issue: In the given home.html file we don't have the type attribute to Add Note button.

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

Solution: I add the type attribute with the value submit to the button

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

Bug 4: Inconsistent use of request.args

Issue: In the app.py file used **request.args.get("note")** instead of **request.form.get("note")** to get form data

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

Solution: I have changed the code to **request.form.get("note")** for obtaining form data

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

Finally, the app is running successfully,

Task 4 - Code Refactoring and | × | Project Doc - Code Refactoring | × | data science - Google Search | × | Note Taking App | × | +

127.0.0.1:5000

LeetCode - The Wor... | Inbox (6,958) - sathi... | Paraphrasing Tool -... | Resume – FlowCV | Medium | Daily Dose of Data... | colab.google | WHY Data Preproce... | No Data Scientist S... | All Bookmarks

Welcome to Note Taking App

Enter a note | Add Note

Clear Notes

- **Data science is the study of data to extract meaningful insights for business.**

- **Data science is an interdisciplinary academic field that uses statistics, scientific computing, scientific methods, processes, algorithms and systems to extract or extrapolate knowledge and insights from potentially noisy, structured, or unstructured data.**

- **Data science is an interdisciplinary academic field that uses statistics, scientific computing, scientific methods, processes, algorithms and systems to extract or extrapolate knowledge and insights from potentially noisy, structured, or unstructured data.**

- **Data science is the study of data to extract meaningful insights for business.**