Below is a simple AI web application built using Python’s Flask framework. The application serves a homepage with a form where users can submit their text, processes it with a dummy AI function (which, in this example, simply reverses the provided text), and then returns the processed result on a separate page.

You'll find three parts:

1. The main Flask application (app.py) that defines the routes and dummy AI logic.

2. An HTML template (index.html) for the homepage form.

3. Another HTML template (result.html) to display the results.

Follow these steps:

• Place app.py in your project’s root (or an /app folder).

• Create a folder called "templates" in the same directory and add the index.html and result.html files there.

• Install Flask (e.g., via pip install flask) and run the app.

```python

from flask import Flask, render\_template, request

app = Flask(\_\_name\_\_)

def dummy\_ai\_response(user\_input):

"""

Simulate an AI response.

For demonstration purposes, this function simply reverses the input string.

"""

return user\_input[::-1]

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

def index():

"""Render the home page with a form."""

return render\_template("index.html")

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

def process():

"""

Process the input from the form by passing it to the dummy AI function,

then render the results.

"""

user\_input = request.form.get("user\_input", "")

ai\_response = dummy\_ai\_response(user\_input)

return render\_template("result.html", user\_input=user\_input, ai\_response=ai\_response)

if \_\_name\_\_ == "\_\_main\_\_":

# Run the Flask development server.

app.run(debug=True)

```

```html

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>Simple AI Web App</title>

</head>

<body>

<h1>Simple AI Web Application</h1>

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

<label for="user\_input">Enter your text:</label>

<input type="text" id="user\_input" name="user\_input" required>

<button type="submit">Submit</button>

</form>

</body>

</html>

```

```html

<!DOCTYPE html>

<html>

<head>

<meta charset="UTF-8">

<title>AI Web App - Result</title>

</head>

<body>

<h1>Result</h1>

<p><strong>Your Input:</strong> {{ user\_input }}</p>

<p><strong>AI Response:</strong> {{ ai\_response }}</p>

<a href="/">Back</a>

</body>

</html>

```

To run the application:

1. Ensure Flask is installed.

2. Execute the app.py (e.g., python app.py).

3. Open your browser and navigate to http://127.0.0.1:5000/ to see the application in action.