

Backend code

Python:

```
From flask import Flask, render_template, request, jsonify
```

```
From response import get_bot_response
```

```
App = Flask(__name__)
```

```
@app.route("/")
```

```
Def index():
```

```
    Return render_template("index.html")
```

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

```
Def get_response():
```

```
    User_input = request.form["user_input"]
```

```
    Response = get_bot_response(user_input)
```

```
    Return jsonify({"response": response})
```

```
If __name__ == "__main__":
```

```
    App.run(debug=True)
```

```
Def get_bot_response(user_input):
```

```
    User_input = user_input.lower()
```

```
    If "transport" in user_input:
```

```
        Return "Urban transport solutions include smart traffic lights, e-buses, and bike-sharing."
```

Elif "green" in user\_input:

Return "Green infrastructure includes vertical gardens, solar panels, and green rooftops."

Elif "waste" in user\_input:

Return "Waste management can be improved with sensor-based bins and recycling programs."

Elif "what is green tech?" in user\_input:

Return "Green technologies include rain gardens, bioswales, and vertical green walls to combat urban heat and flooding."

Elif "what is sustainable growth?" in user\_input:

Return "We use real-time city models combining GIS, AI, IoT, and VR to simulate developments and assess their impact."

Elif "what is smart irrigation?" in user\_input:

Return "We use moisture sensors for smart irrigation, ensuring efficient water usage in green spaces."

Else:

Return "That's an interesting question! Could you please elaborate?"

If \_\_name\_\_ == "\_\_main\_\_":

While True:

User\_input = input("You: ")

If user\_input.lower() in ["exit", "quit"]:

Print("Bot: Goodbye!")

Break

Print("Bot:", get\_bot\_response(user\_input))

