FRONTEND (index.html)

```html
<!DOCTYPE html>
<html>
<head>
  <title>Budget Chatbot</title>
  <style>
    body {
    font-family: Arial, sans-serif;
    background: #f0f2f5;
    display: flex;
    justify-content: center;
    padding-top: 30px;
}

.container {
    width: 500px;
    background: #ffffff;
    padding: 25px;
    border-radius: 12px;
    box-shadow: 0 4px 15px rgba(0,0,0,0.15);
}

h1 {
    text-align: center;
    color: #333;
    margin-bottom: 20px;
}

#chatbox {
    width: 100%;
    height: 400px;
    border-radius: 10px;
    padding: 15px;
    overflow-y: auto;
    background: #fafafa;
    border: 1px solid #ddd;
    font-size: 15px;
    color: #222;
}

#chatbox b {
    color: #0d6efd;
}
```

```css
.input-area {
    display: flex;
    margin-top: 12px;
}

input[type="text"] {
    flex: 1;
    padding: 12px;
    border-radius: 8px;
    border: 1px solid #ccc;
    font-size: 15px;
}

button {
    margin-left: 10px;
    padding: 12px 20px;
    background: #0d6efd;
    color: white;
    border: none;
    border-radius: 8px;
    font-size: 15px;
    cursor: pointer;
    transition: 0.3s;
}

button:hover {
    background: #0b5ed7;
}

  </style>
</head>
<body>

<h2>Budget Planner Chatbot</h2>
<div id="chat"></div>

<input id="msg" placeholder="Type here..." />
<button onclick="send()">Send</button>

<script>
function send() {
    let text = document.getElementById("msg").value;

    document.getElementById("chat").innerHTML += "<br><b>You:</b> " + text;
```

```
        fetch("http://127.0.0.1:5000/chat", {
            method: "POST",
            headers: { "Content-Type": "application/json" },
            body: JSON.stringify({ message: text })
        })
        .then(res => res.json())
        .then(data => {
            document.getElementById("chat").innerHTML += "<br><b>Bot:</b> " +
data.reply;
        })
        .catch(err => {
            console.log(err);
            document.getElementById("chat").innerHTML += "<br><b>Bot:</b> Error
connecting to server!";
        });

        document.getElementById("msg").value = "";
}
</script>


</body>
</html>
```

BACKEND (app.js)

```python
from flask import Flask, request, jsonify
from flask_cors import CORS

app = Flask(__name__)
CORS(app)

income = 0
expenses = {}

@app.route("/chat", methods=["POST"])
def chat():
    global income, expenses
    msg = request.json.get("message", "").lower()

    if "income" in msg:
        income = int(msg.split()[-1])
```

```python
        return jsonify(reply=f"Income saved: {income}. Now enter expenses like
'food 2000'.")

    for x in ["food", "rent", "travel", "shopping"]:
        if x in msg:
            parts = msg.split()
            amount = int(parts[-1])
            expenses[x] = amount
            return jsonify(reply=f"{x.capitalize()} added: {amount}. Add more or
type 'summary'.")

    if "summary" in msg:
        total_exp = sum(expenses.values())
        savings = income - total_exp
        return jsonify(
            reply=f"Total expenses: {total_exp}\nSavings: {savings}\nExpenses:
{expenses}"
        )

    return jsonify(reply="Please enter something like 'income 30000' or 'food
2000'.")


if __name__ == "__main__":
    app.run(debug=True)
```