```python

from flask import Flask, render\_template, request✅ Backend: Flask (Python)

✅ Frontend: Simple HTML form

✅ Flight data: Dummy data (you can later connect to real APIs like Amadeus or Skyscanner)

Here’s the code:

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### \*\*1. Install requirements\*\*

```bash

pip install flask

```

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### \*\*2. Project Structure\*\*

```

flight\_finder/

├── app.py

├── templates/

│ └── index.html

└── static/

```

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### \*\*3. Backend: app.py\*\*

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

# Dummy flight database

flights = [

{"airline": "Air India", "from": "Delhi", "to": "Mumbai", "date": "2025-06-28", "price": 5000},

{"airline": "IndiGo", "from": "Delhi", "to": "Bangalore", "date": "2025-06-28", "price": 6000},

{"airline": "SpiceJet", "from": "Mumbai", "to": "Chennai", "date": "2025-06-28", "price": 4500},

{"airline": "Vistara", "from": "Delhi", "to": "Mumbai", "date": "2025-06-28", "price": 5500},

]

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

def index():

results = []

if request.method == "POST":

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

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

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

# Filter flights

results = [f for f in flights if f["from"].lower() == origin.lower()

and f["to"].lower() == destination.lower()

and f["date"] == date]

return render\_template("index.html", results=results)

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

app.run(debug=True)

```

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### \*\*4. Frontend: templates/index.html\*\*

```html

<!DOCTYPE html>

<html>

<head>

<title>Flight Finder</title>

<style>

body { font-family: Arial, sans-serif; background: #f4f4f4; text-align: center; }

.form-container { background: white; padding: 20px; width: 300px; margin: auto; border-radius: 10px; }

input, button { width: 90%; padding: 10px; margin: 10px 0; }

table { margin: auto; border-collapse: collapse; margin-top: 20px; }

th, td { border: 1px solid #ccc; padding: 8px; }

</style>

</head>

<body>

<h1>Flight Finder</h1>

<div class="form-container">

<form method="POST">

<input type="text" name="origin" placeholder="From (e.g. Delhi)" required>

<input type="text" name="destination" placeholder="To (e.g. Mumbai)" required>

<input type="date" name="date" required>

<button type="submit">Search Flights</button>

</form>

</div>

{% if results %}

<h2>Available Flights</h2>

<table>

<tr>

<th>Airline</th>

<th>From</th>

<th>To</th>

<th>Date</th>

<th>Price (₹)</th>

</tr>

{% for flight in results %}

<tr>

<td>{{ flight.airline }}</td>

<td>{{ flight.from }}</td>

<td>{{ flight.to }}</td>

<td>{{ flight.date }}</td>

<td>{{ flight.price }}</td>

</tr>

{% endfor %}

</table>

{% elif results is not none %}

<p>No flights found for your search!</p>

{% endif %}

</body>

</html>

```

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### \*\*5. Run the project\*\*

```bash

python app.py

```

Then open \*\*[http://127.0.0.1:5000](http://127.0.0.1:5000)\*\* in your browser.

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