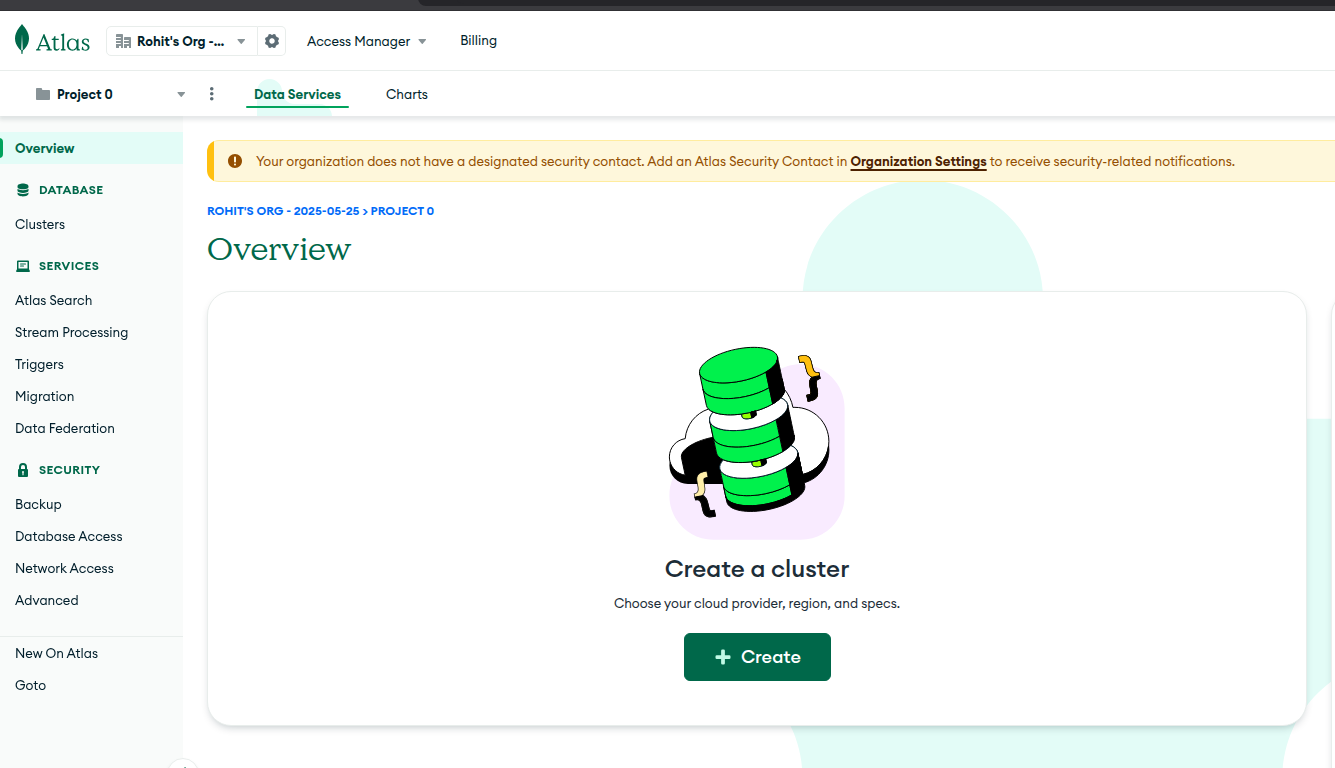
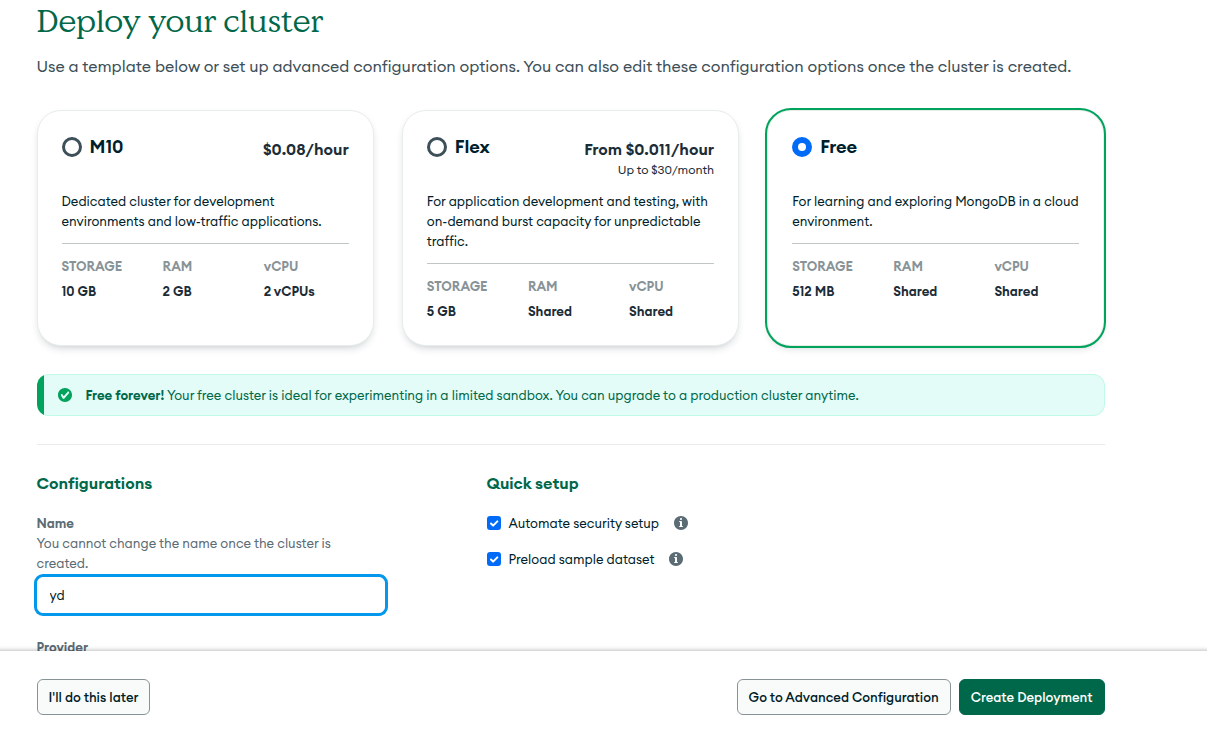
**Mongo DB**

1. **Creating cluster**

****

****

**Project Structure**

Files/

│

├── app.py

├── data.json

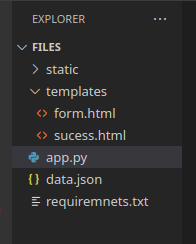
├── templates/

│ ├── form.html

│ └── success.html

├── requirements.txt

└── static/



**1. data.json**

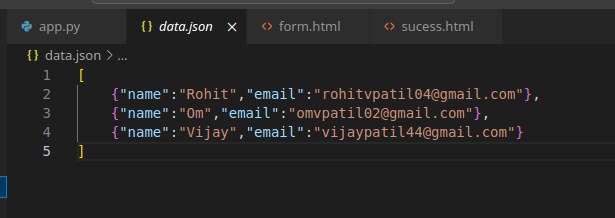
[

{"name": "Rohit", "email": "rohitvpatil04@gmail.com"},

{"name": "Om", "email": "omvpatil02@gmail.com"},

{"name": "Vijay", "email": "vijaypatil44@gmail.com"}

]



**2. app.py**

from flask import Flask, jsonify, request, render\_template, redirect, url\_for

import json

import pymongo

from pymongo.errors import PyMongoError

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

# MongoDB Atlas Configuration

MONGO\_URI = "your\_mongodb\_atlas\_connection\_string"

client = pymongo.MongoClient(MONGO\_URI)

db = client['yd']

collection = db['submissions']

# Route to serve data from JSON file

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

def get\_data():

try:

with open('data.json') as file:

data = json.load(file)

return jsonify(data)

except FileNotFoundError:

return jsonify({"error": "Data file not found"}), 404

# Route to render form

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

def form():

error = None

if request.method == 'POST':

name = request.form.get('name')

email = request.form.get('email')

try:

collection.insert\_one({"name": name, "email": email})

return redirect(url\_for('success'))

except PyMongoError as e:

error = f"An error occurred: {str(e)}"

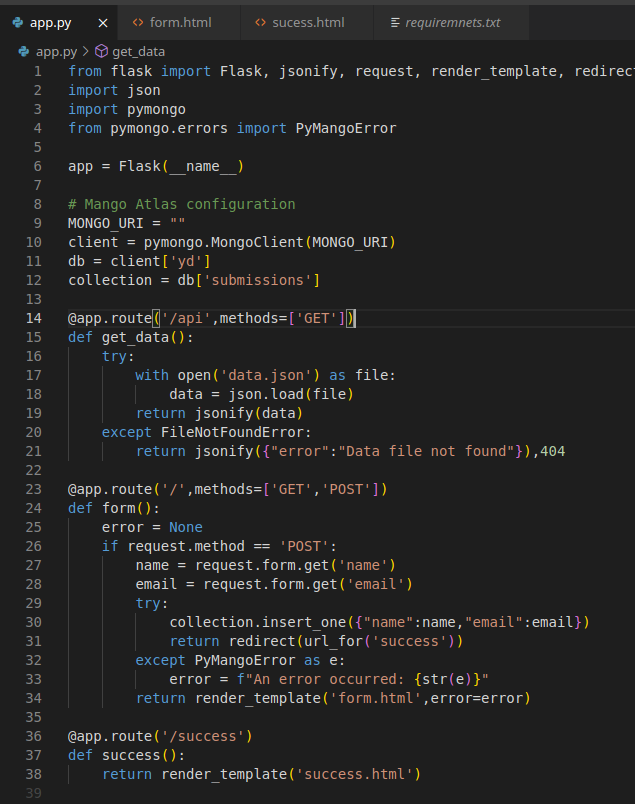
return render\_template('form.html', error=error)

# Success Page

@app.route('/success')

def success():

return render\_template('success.html')



**3. templates/form.html**

<!DOCTYPE html>

<html>

<head><title>Submit Data</title></head>

<body>

<h2>Submit Your Info</h2>

{% if error %}

<p style="color:red;">{{ error }}</p>

{% endif %}

<form method="post">

Name: <input type="text" name="name" required><br><br>

Email: <input type="email" name="email" required><br><br>

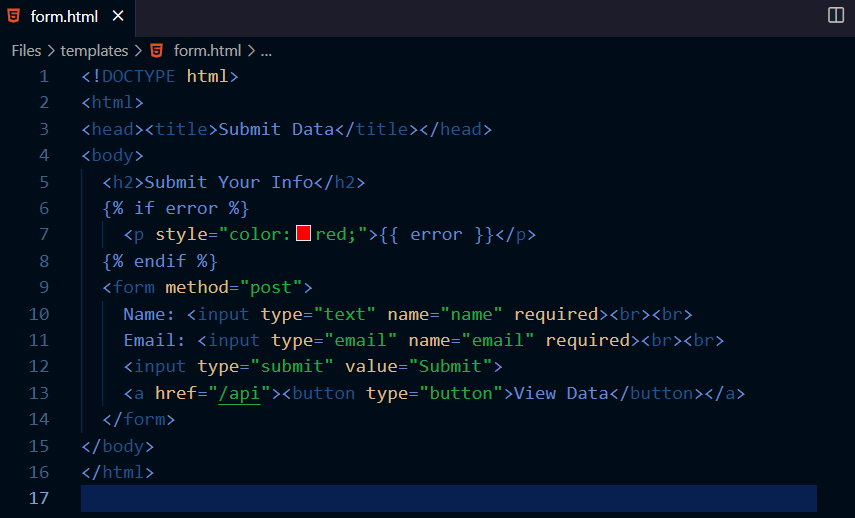
<input type="submit" value="Submit">

<a href="/api"><button type="button">View Data</button></a>

</form>

</body>

</html>



**4. templates/success.html**

<!DOCTYPE html>

<html>

<head><title>Success</title></head>

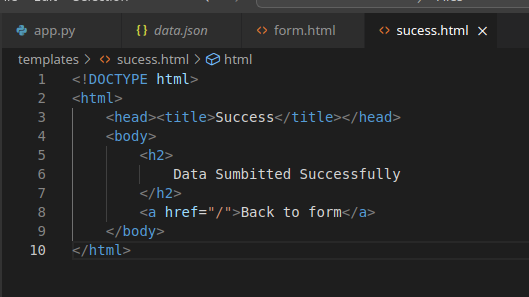
<body>

<h2>Data submitted successfully</h2>

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

</body>

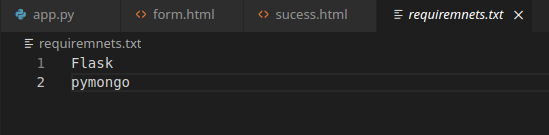
</html>



**5. requirements.txt**

Flask

Pymongo



**Run the App**

**1. Install dependencies**

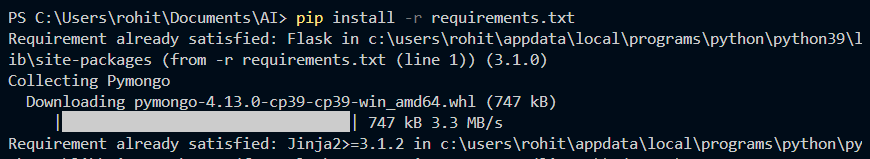
pip install -r requirements.txt

**2. Run the Flask server**

python app.py

**3. Access the app:**

* Form: [http://localhost:5000](http://localhost:5000/)
* API: <http://localhost:5000/api>

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