◆ Cluster

ORGANIZATION   PROJECT   CLUSTER
Shaikh's Org - 2025-11... > Project 0 ▾ > tutedude ▾   ❓ ☰ 👤 🔔 ▦ Ⓢ

Overview

Data Explorer

Real Time   DATABASES: 2 COLLECTIONS: 7   PREVIEW New Data Explorer ⚪ 📊 VISUALIZE YOUR DATA ⟳ REFRESH

Cluster Metrics

Query Insights   [+ Create Database]   **tutedude.form_data**

Performance Advisor   🔍 Search Namespaces   STORAGE SIZE: 20KB   LOGICAL DATA SIZE: 173B   TOTAL DOCUMENTS: 1   INDEXES TOTAL SIZE: 20KB

Online Archive   › sample_mflix   **Find**   Indexes   Schema Anti-Patterns ⓘ   Aggregation   Search Indexes

Command Line Tools   ▾ **tutedude**   Generate queries from natural language in Compass⧉   [INSERT DOCUMENT]

Infrastructure as Code | **form_data**   Filter ⧉   Type a query: { field: 'value' }   [Reset] [Apply] Options ▸

SHORTCUTS   ▲   QUERY RESULTS: **1-1 OF 1**

⊚ Search & Vector Search   _id: ObjectId("691587b5cc21d16f4a2776d1")
                                                                 name : "Shaikh rizakath ali"
                                                                 email : "shaikhrizakathali@gmail.com"
                                                                 phone : ""
                                                                 message : "My Assignment"
                                                                 submitted_at : 2025-11-12T22:18:29.752+00:00
                                                                 source : "web_form"

home - HiAnime   YouTube

Opera has recovered from a crash. Would you like to add some information to the report?   Yes   No, don't ask again   x

Submit Your Data

Name *

Email *

Message

Submit

✅ **Data Submitted Successfully!**

Your information has been saved to MongoDB Atlas.

← Submit Another Entry

```python
from flask import Flask, jsonify
import json
import os

app = Flask(__name__)

# Path to the backend data file
DATA_FILE = 'data.json'

def initialize_data_file():
    """Initialize the data file with sample data if it doesn't exist"""
    if not os.path.exists(DATA_FILE):
        # Sample data
        sample_data = [
            {"id": 1, "name": "Item 1", "description": "First item"},
            {"id": 2, "name": "Item 2", "description": "Second item"},
            {"id": 3, "name": "Item 3", "description": "Third item"}
        ]
        with open(DATA_FILE, 'w') as f:
            json.dump(sample_data, f, indent=2)
        print(f"Created {DATA_FILE} with sample data")

def read_data():
    """Read data from the backend file"""
    try:
        with open(DATA_FILE, 'r') as f:
            data = json.load(f)
        return data
    except FileNotFoundError:
        # If file doesn't exist, create it and return sample data
        initialize_data_file()
        return read_data()
    except json.JSONDecodeError:
        # Handle invalid JSON
        return {"error": "Data file contains invalid JSON"}
    except Exception as e:
        return {"error": f"Error reading data: {str(e)}"}

@app.route('/api', methods=['GET'])
def api_endpoint():
    """API endpoint that returns JSON list from backend file"""
    data = read_data()
    return jsonify(data)

if __name__ == '__main__':
    # Initialize data file before starting the app
    initialize_data_file()
    app.run(debug=True, host='0.0.0.0', port=5000)
```

```
solderet@solderet-Inspiron-3593:~/devops/Flask-tute$ python3 app.py
 * Serving Flask app 'app'
 * Debug mode: on
WARNING: This is a development server. Do not use it in a production deployment. Use a production WSGI server instead.
 * Running on http://127.0.0.1:5000
Press CTRL+C to quit
 * Restarting with stat
 * Debugger is active!
 * Debugger PIN: 431-811-828
127.0.0.1 - - [13/Nov/2025 01:35:34] "GET / HTTP/1.1" 200 -
127.0.0.1 - - [13/Nov/2025 01:36:00] "GET / HTTP/1.1" 200 -
```