Weather API Documentation

Overview

The Weather API provides access to weather data stored in a MongoDB database. It allows querying information based on specific dates, months, and years.

Base URL

http://127.0.0.1:5000/

Endpoints

GET `/weather`

Retrieves weather data based on specified parameters.

Parameters

- **date** (optional): Day of the month (1-31).
- **month** (optional): Month of the year (1-12).
- **year** (optional): Year.

Response

The API responds with JSON data containing weather details based on the provided parameters.

Example Response

```
[
        {
                "year": 2023,
                "month": 7,
                "high_temp": 30,
                "avg_temp": 25,
                "min_temp": 20
        },
        {
                "year": 2023,
                "month": 8,
                "high_temp": 32,
                "avg_temp": 27,
                "min_temp": 22
        }
]
```

Error Handling

400 Bad Request: Invalid parameters passed.

500 Internal Server Error: MongoDB operation failure or other server-side errors.

Example Usage

Retrieve Weather Data for July 2023

```
GET /weather?month=7&year=2023
```

Retrieve Weather Data for July 15, 2023

```
GET /weather?date=15&month=7&year=2023
```

Retrieve Weather Data for 2023

```
GET /weather?year=2023
```