To set up and run the project for managing and querying event data, follow these instructions:

Prerequisites:

Python 3.x installed on your system.
Pip package manager installed.
Steps to Run the Project:

Clone the Repository:

bash
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git clone <repository_url>
Navigate to the Project Directory:

bash
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cd event_management_project
Install Dependencies:

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pip install -r requirements.txt
Set Up the SQLite Database:

The SQLite database file (events.db) is included in the repository.
If you want to start with an empty database, delete the existing events.db file and run the following command:
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python initialize_database.py
Run the Flask Application:

Copy code
python app.py
Access the APIs:

Once the Flask application is running, you can access the APIs using any HTTP client such as cURL, Postman, or a web browser.

The base URL for accessing the APIs is http://localhost:5000.

API Endpoints:

Data Creation API:

Endpoint: POST /events

Request Format: JSON

json

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```
{
  "event_name": "Event Name",
  "city_name": "City Name",
  "date": "YYYY-MM-DD",
  "time": "HH:MM:SS",
  "latitude": 12.34,
  "longitude": 56.78
}
```

Response Format: JSON

json

Copy code

```
{
  "message": "Event created successfully",
  "event_id": 123
}
```

Event Finder API:

Endpoint: GET /events/find

Query Parameters:

latitude: User's latitude (float)

longitude: User's longitude (float)

date: Specified date in the format YYYY-MM-DD (string)

Response Format: JSON

json

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```
{
  "events": [
    {
      "event_name": "Event Name",
```

```
      "city_name": "City Name",
      "date": "YYYY-MM-DD",
      "weather": "Weather Condition",
      "distance": 123.45
    },
    {
      "event_name": "Event Name",
      "city_name": "City Name",
      "date": "YYYY-MM-DD",
      "weather": "Weather Condition",
      "distance": 67.89
    },
    ...
  ]
}
```