Movie Watchlist API Project

Project Overview

Create a RESTful API using Flask that allows users to maintain a personal movie watchlist.

Users can add, update, delete, and view movies they want to watch or have already watched.

Core Features

1. POST /movies - Add a new movie to the watchlist.

2. GET /movies - Retrieve all movies.

3. GET /movies/<id> - Retrieve a specific movie by its ID.

4. PUT /movies/<id> - Update a movie's details (e.g., status, rating).

5. DELETE /movies/<id> - Delete a movie from the list.

Movie Data Fields

Each movie should have the following fields:

- id (unique identifier)

- title (string)

- director (string)

- year (integer)

- status (string: 'watched' or 'to watch')

- rating (optional, integer or float)

Optional / Bonus Features

- Filter movies by status: GET /movies?status=watched

- Integration with OMDb API to auto-fill movie details using the title.

- Add a 'username' field to simulate multiple users.

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Tech Stack & Tools

- Backend: Flask

- Storage: SQLite or a JSON file (your choice)

- Tools: Postman or curl for testing

- Libraries: Flask, requests (if using OMDb API)

Conclusion

This project builds on your existing API knowledge and introduces user-specific filtering, optional third-party API integration, and rating/status updates. It's ideal preparation for more complex API-based projects or full-stack apps.