Assignment: Build a Movie Recommendation Web App

Objective:

Build a simple web application that recommends movies based on a user's input using AI (OpenAI API). The application should allow users to input their movie preferences and receive 3–5 relevant movie suggestions.

▢ Requirements:

Frontend (React):

- Create a form where the user can enter:

    - A genre or a short description of their movie preference (e.g., "action movies with a strong female lead").

- Display the list of recommended movies returned by the backend.

Backend (Nodejs and Fastify):

- Accept a POST request with the user input.

- Use OpenAI API (ChatGPT or similar) to generate 3–5 movie recommendations.

- Return the movie list as a JSON response.

Database (any lightweight DB – SQLite preferred):

- Save user inputs along with the recommendations.

- A simple schema like:

    - `id`, `user_input`, `recommended_movies`, `timestamp`

✓Deliverables:

- Source code (GitHub link or ZIP)

- Instructions to run the app locally

- Mandatory Deployed link (e.g., on Vercel, Netlify, or Render)