**MOIVEO - Technical Documentation**

**System Architecture**:

* **Frontend**: React.js, single-page application (SPA).
* **Backend**: No server (static app); uses TMDB API for data.
* **Deployment**: Vercel hosts static files (build folder).
* **Structure**:
  + src/components/: React components (e.g., Homepage.js, SearchBar.js).
  + src /: CSS files (e.g., App.css for dark theme).

**Database Schema**:

* No local database.
* Data sourced from TMDB API:
  + Movies: id, title, release\_date, vote\_average, poster\_path.
  + TV Shows: id, name, first\_air\_date, vote\_average, poster\_path.

**API Documentation**:

* **API**: TMDB
* **Endpoints**:
  + https://api.themoviedb.org/3/movie/now\_playing
  + https://api.themoviedb.org/3/tv/on\_the\_air
  + https://api.themoviedb.org/3/movie/top\_rated
  + https://api.themoviedb.org/3/configuration
  + https://api.themoviedb.org/3/trending/all/week
  + https://api.themoviedb.org/3/tv/popular
  + Search: https://api.themoviedb.org/3/search/multi?query=welcome&api\_key=YOUR\_API\_KEY
* **Parameters**: api\_key (from .env), query (for search).
* **Response**: JSON with movie/TV data.

**Dependencies**:

* React.js, Vite, Axios/Fetch, CSS framework (e.g., TailwindCss).
* Node.js 14.x+ for development.

**Setup**:

* Clone: https://github.com/mohammed1215/Movie-Recommendation.git
* Install: npm install
* Run: npm run dev