

# MOVIE REVIEW SITE

ANGULAR ASSIGNMENT

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# OVERVIEW

- **User Interaction & Authentication** – Users can view and search for movie reviews, log in, and post their own reviews. Authentication is implemented with local storage and route guards.
- **Component-Based Structure** – The project follows Angular's component-based architecture with parent-child components, using @Input and @Output for data sharing.
- **Dynamic Data Handling** – Uses services and observables for API calls to fetch and display movie reviews. Data binding and directives (structural & attribute) enhance the UI.
- **Form Handling & Pipes** – Forms are managed using both template-driven and reactive (model-based) approaches. Inbuilt and custom pipes are used for filtering, formatting, and transforming data.
- **Routing & Navigation** – Angular routing with parameters allows users to navigate between pages, access specific movie reviews, and submit new ones securely using route guards.



# FEATURES IMPLEMENTED

- **User Authentication (Login & Secure Access)**
- **Search Functionality to Find Movie Reviews**
- **View Movie Reviews from API**
- **Post Movie Reviews (User-Submitted Reviews)**
- **Routing & Routing Guards for Secure Navigation**
- **Local Storage for User Data Management**
- **Use of Services & Observables for API Calls**
- **Parent-Child Component Communication (@Input, @Output)**
- **Form Handling (Template & Model-Based Forms)**
- **Custom & Inbuilt Pipes for Data Formatting**

# CONCEPTS USED

- ✓ **Components & Parent-Child Component Communication (@Input, @Output)**
- ✓ **Directives (Structural & Attribute Directives for Dynamic UI)**
- ✓ **Routing & Routing Parameters (Navigation Between Pages)**
- ✓ **Routing Guards (Protecting Routes & Restricting Access)**
- ✓ **Services & Observables (Handling API Calls & Data Fetching)**
- ✓ **Local Storage (Storing User Data & Authentication Info)**
- ✓ **Form Handling (Template-Driven & Reactive Forms for Reviews)**
- ✓ **Custom & Inbuilt Pipes (Formatting Movie Data & Reviews)**



# LOGIN AND HOMEPAGE

- **User Authentication & Access Control** – Users log in with email and password, verified via local storage or an API. Route guards prevent unauthorized access to the home page.
- **Form Validation & Error Handling** – The login page ensures valid inputs with Angular form validation, displaying error messages for incorrect credentials.
- **Movie Reviews Display & Search** – The home page dynamically fetches and displays movie reviews. Users can search for specific movies using filtering mechanisms.
- **Navigation & Routing** – After login, users are redirected to the home page. Clicking a movie opens its detailed review using Angular routing with parameters.
- **User Interaction & UI** – Logged-in users can post reviews, while guests can only browse. Angular directives (\*ngFor, \*ngIf) enhance UI interactivity and responsiveness.



# API CALLING

- **Fetching Reviews (API & Local Storage)** – The home page retrieves movie reviews from an API and stores them in local storage for faster access and offline availability.
- **Posting a Review (Form Handling)** – Logged-in users can submit reviews using a form (template-driven or reactive). The review is sent to the API and also stored locally for persistence.
- **Real-Time Update & Display** – After a new review is posted, the list updates dynamically without requiring a page refresh, using observables or service-based data sharing.
- **Data Persistence & Offline Support** – Reviews are cached in local storage so users can still view previously fetched reviews even when offline.
- **Secure & Structured Handling** – Only authenticated users can post reviews, while guests can only view them. Form validation ensures proper data submission, preventing empty or invalid entries.



# PARENT - CHILD

- **Review List (Parent) & Review Item (Child)** – The home page (parent) displays a list of movie reviews using a child component for each individual review item. @Input passes review data from parent to child.
- **Review Form (Parent) & Input Fields (Child)** – The review submission form (parent) can have reusable child components for input fields, making the form modular and easy to manage.
- **Movie Details (Parent) & Review Section (Child)** – The movie details page (parent) displays detailed information about a movie, while a child component handles and displays user reviews.
- **Search Bar (Child) in Home Page (Parent)** – The home page (parent) contains a search bar (child) that emits search terms using @Output, filtering the movie list dynamically.
- **Navigation Bar (Parent) & User Profile (Child)** – The navbar (parent) includes a child component to display user profile details after login, making the UI reusable across pages



# ROUTING & NAVIGATION

- 1. Login Route Protection (Route Guards)** – The login page redirects authenticated users to the home page, while unauthorized users cannot access restricted routes like posting reviews.
- 2. Dynamic Movie Details Page** – Clicking on a movie from the home page navigates to a detailed review page using Angular routing with parameters (e.g., /movie/:id).
- 3. Navigation Between Pages** – The navbar provides links to home, login, and other sections, ensuring smooth navigation using routerLink.
- 4. Posting a Review with Route Handling** – Users can navigate to a dedicated review submission page (/add-review), where they can post a review and be redirected back to the home page upon success.
- 5. 404 Page for Invalid Routes** – A wildcard route is implemented to show a custom "Page Not Found" message if users enter an invalid URL.



## LATEST MOVIE REVIEWS

**L2:Emburaan**

★★★★ 4.7/5

The journey of Stephen Nedumpally, a man leading a double life as Khureshi Ab'raam, an enigmatic lea...

[Read More](#)**Veera Dheera Soora**

★★★★ 4.7/5

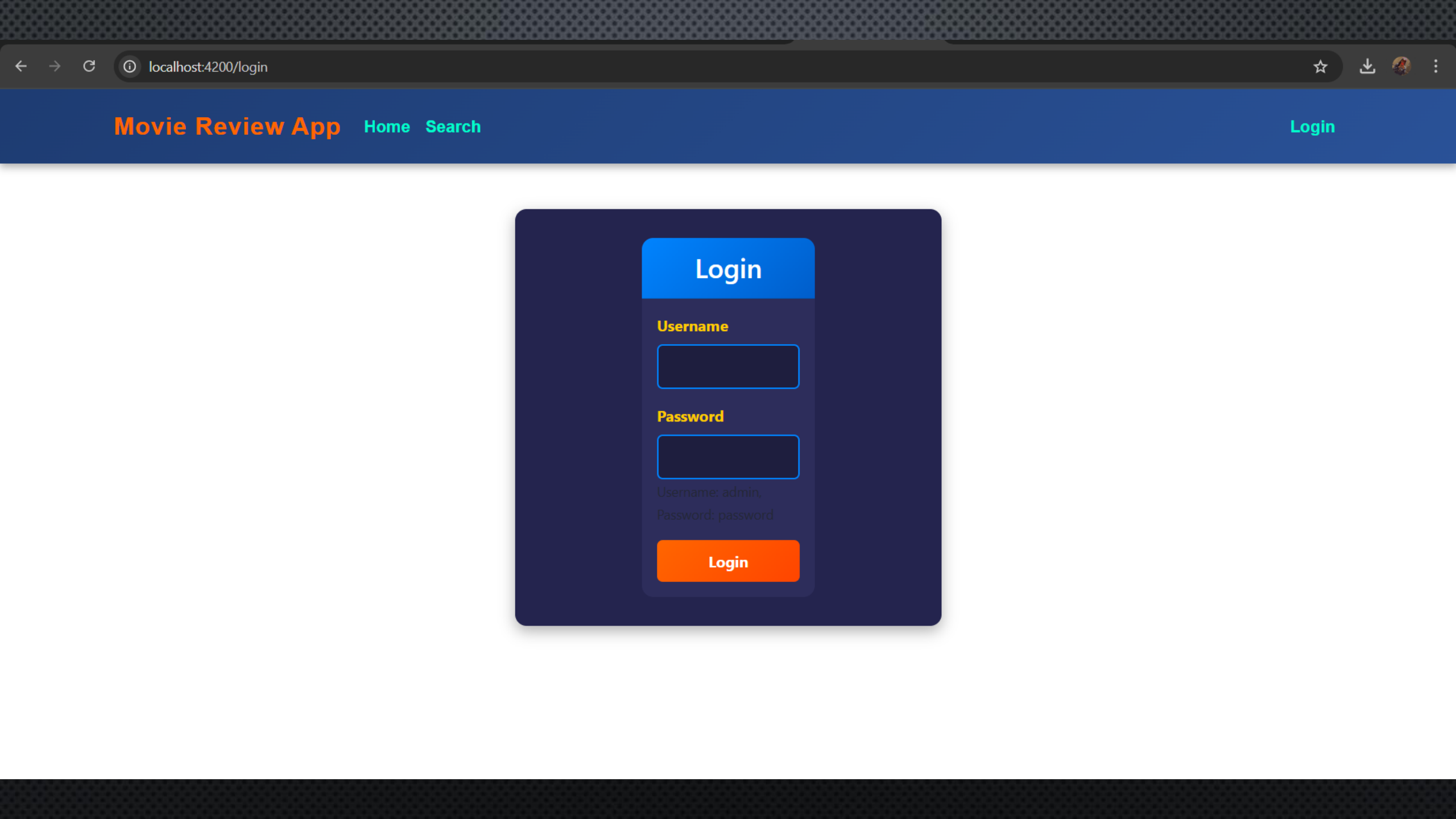
he film revolves around Kaali, a family man from Madurai, who is a provision store owner, who finds

[Read More](#)**Leo**

★★★★ 4.8/5

Parthiban , a peaceful café owner in Himachal Pradesh, gains attention after bravely stopping a viol...

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Login

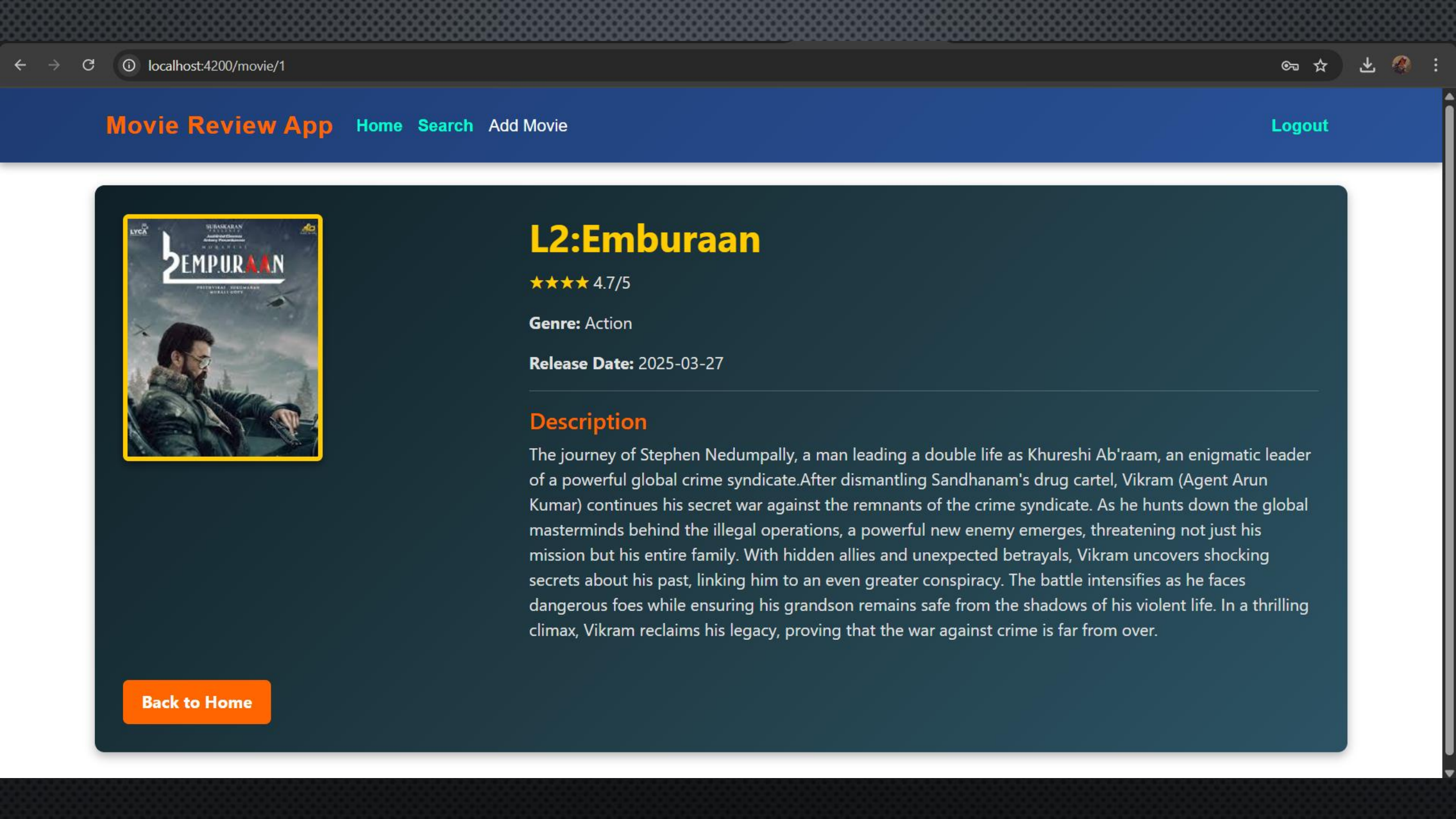
Username

Password

Username: admin,  
Password: password

Login





## L2: Emburaan

★★★★ 4.7/5

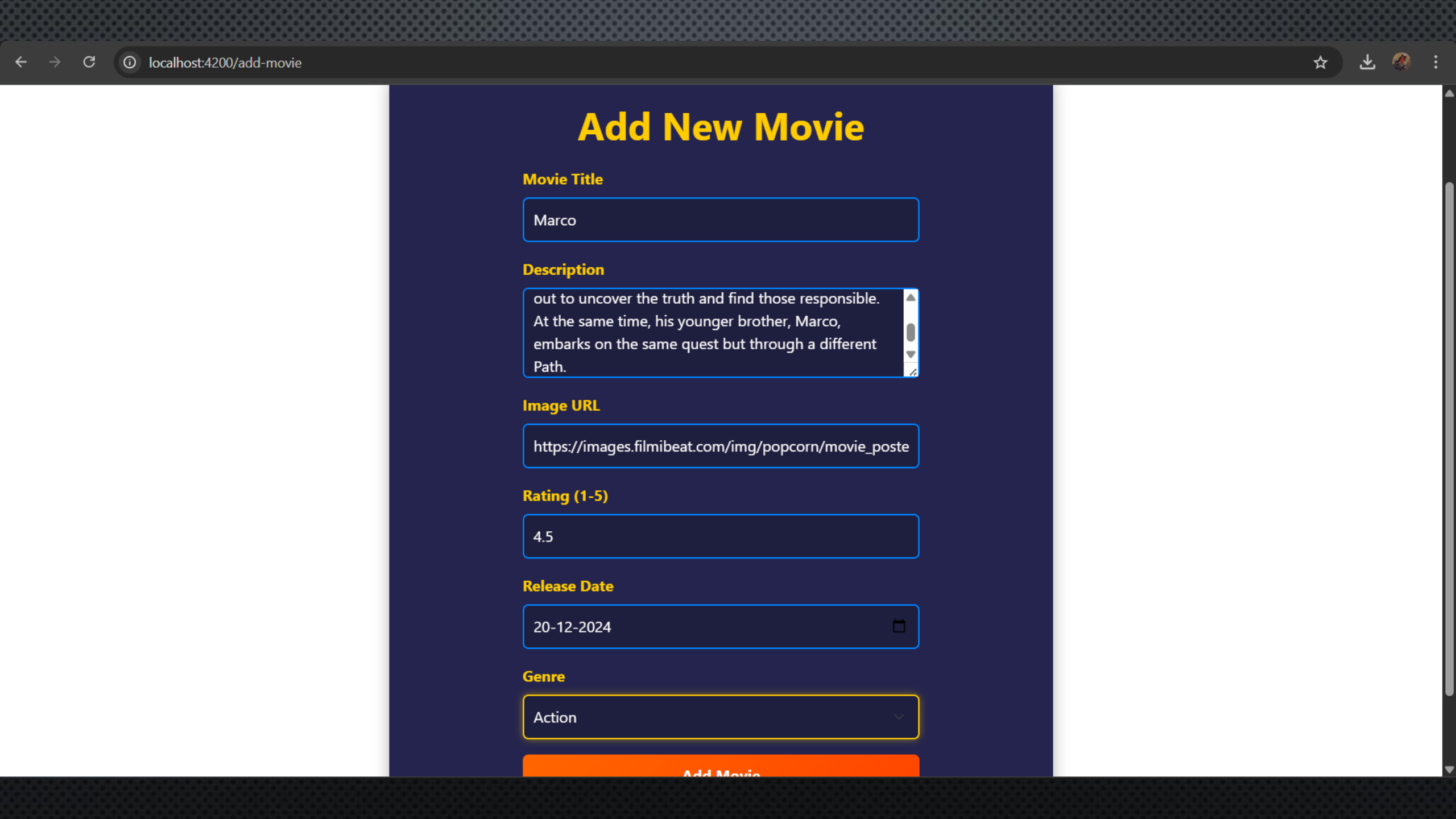
**Genre:** Action

**Release Date:** 2025-03-27

### Description

The journey of Stephen Nedumpally, a man leading a double life as Khureshi Ab'raam, an enigmatic leader of a powerful global crime syndicate. After dismantling Sandhanam's drug cartel, Vikram (Agent Arun Kumar) continues his secret war against the remnants of the crime syndicate. As he hunts down the global masterminds behind the illegal operations, a powerful new enemy emerges, threatening not just his mission but his entire family. With hidden allies and unexpected betrayals, Vikram uncovers shocking secrets about his past, linking him to an even greater conspiracy. The battle intensifies as he faces dangerous foes while ensuring his grandson remains safe from the shadows of his violent life. In a thrilling climax, Vikram reclaims his legacy, proving that the war against crime is far from over.

[Back to Home](#)



# Add New Movie

Movie Title

Marco

Description

out to uncover the truth and find those responsible.  
At the same time, his younger brother, Marco,  
embarks on the same quest but through a different  
Path.

Image URL

https://images.filmibeat.com/img/popcorn/movie\_poste

Rating (1-5)

4.5

Release Date

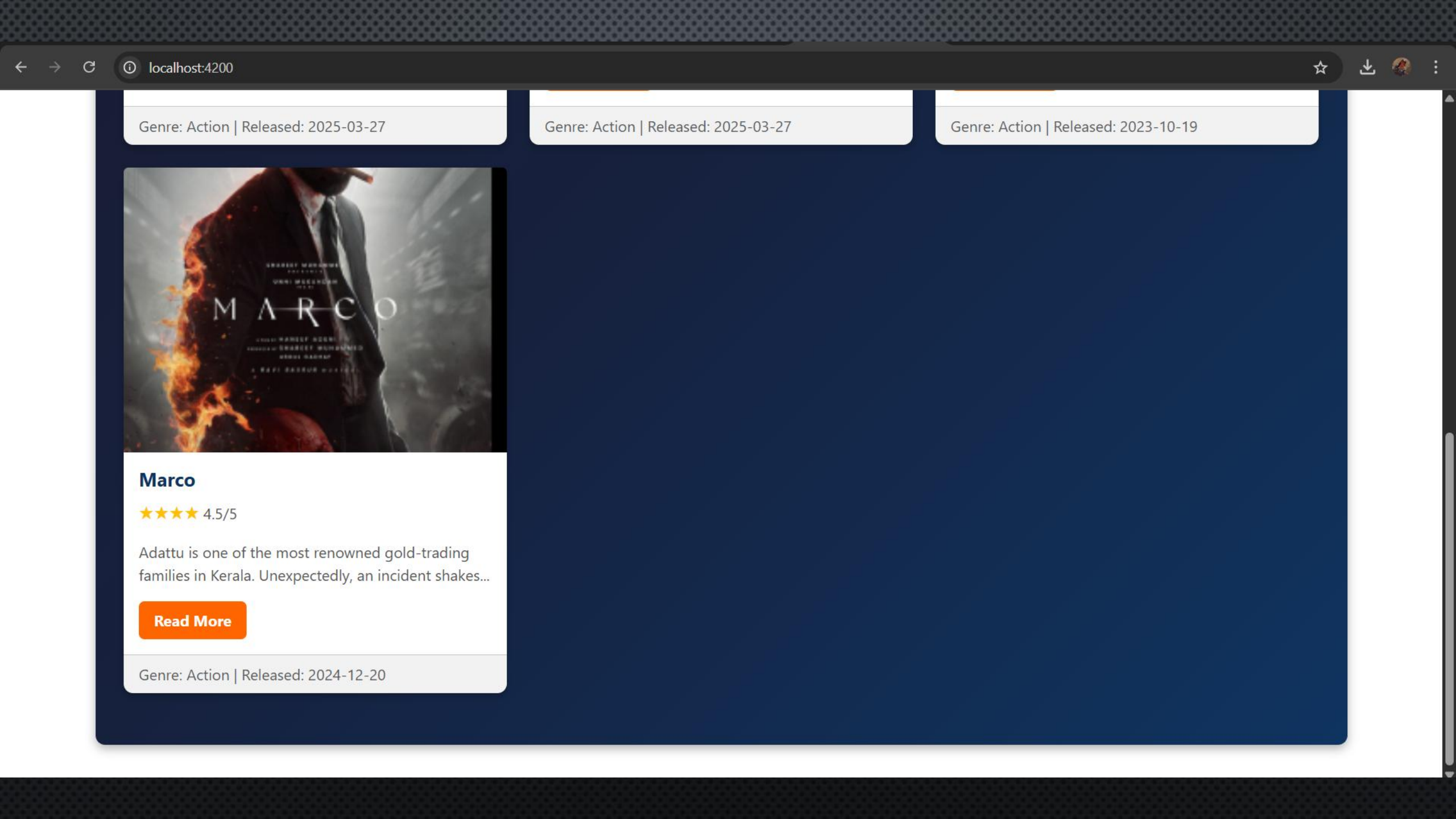
20-12-2024

Genre

Action

Add Movie





Genre: Action | Released: 2025-03-27

Genre: Action | Released: 2025-03-27

Genre: Action | Released: 2023-10-19



## Marco

★★★★ 4.5/5

Adattu is one of the most renowned gold-trading families in Kerala. Unexpectedly, an incident shakes...

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Genre: Action | Released: 2024-12-20