



Dhirubhai Ambani  
Institute of Information and Communication Technology

**Student Name**

Hanif Khimani

**Student Id**

202212060

**Project Title: -** Movie Streaming Platform (EasyWatch)

Internship Report (On-Campus)

Under Prof. Lavneet Singh

# ***INDEX***

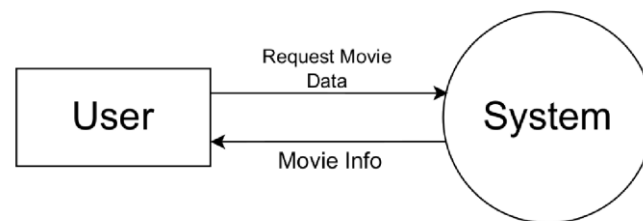
<b>Sr. No.</b>	<b>Page No.</b>
<b>1. Introduction</b>	<b>3</b>
<b>2. Context Diagram</b>	<b>3</b>
<b>Level-0 DFD</b>	<b>3</b>
<b>Level-1 DFD</b>	<b>3</b>
<b>Level-2 DFD</b>	<b>4</b>
<b>Use Case</b>	<b>5</b>
<b>Sequence</b>	<b>6</b>
<b>Activity</b>	<b>6</b>
<b>3. Detailed Use cases</b>	<b>7</b>
<b>4. Tools, Technologies</b>	<b>8</b>
<b>5. APIs used</b>	<b>8</b>
<b>6. Testing Strategies and Reports</b>	<b>8</b>
<b>7. Test Cases</b>	<b>9</b>
<b>8. Snap Shots</b>	<b>10</b>

## Introduction:

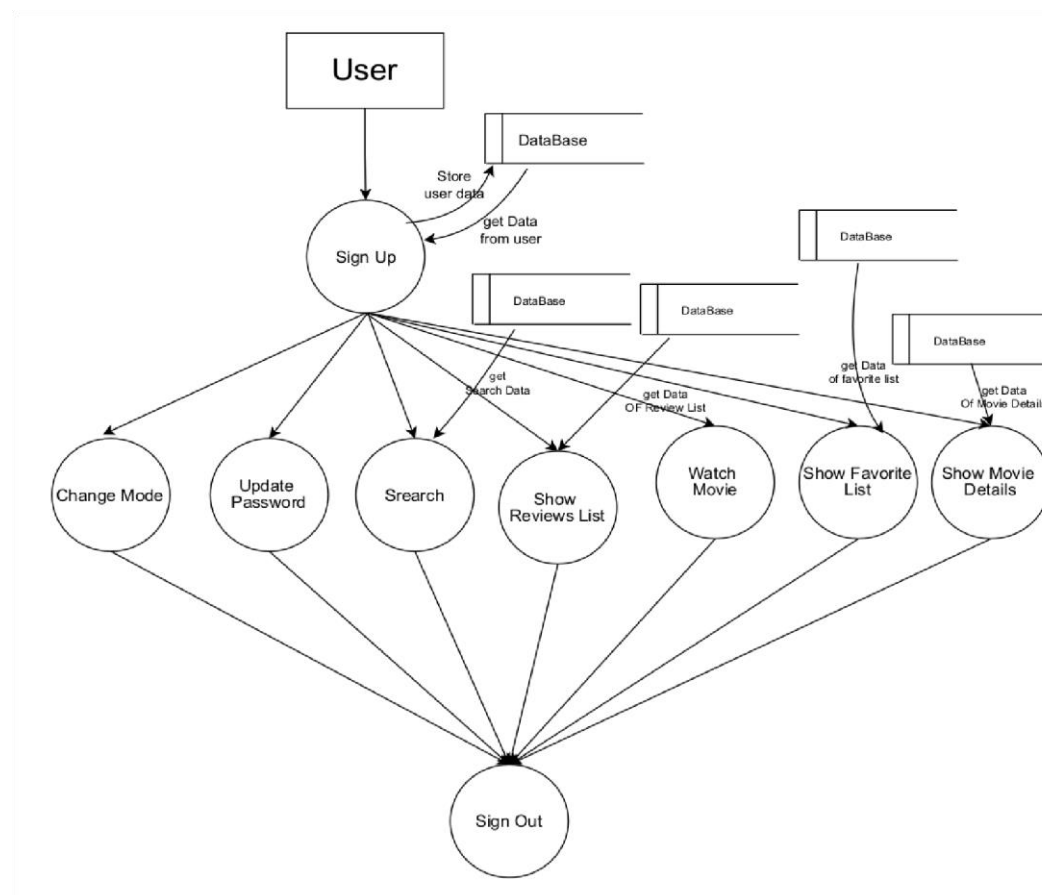
A Movie Streaming Platform is a web application that allows users to watch their favourite shows on their devices with the help of the internet. This app offers a library of movies and TV shows, which can be streamed on the end-user's demand or desire. Movie streaming apps are bringing users closer to cinema. Movie Streaming Platform enables users to view videos online without having to download them. The movie streaming platform contains movies, TV shows, Anime, and series. We use a special database called The Movie Database (TMDB) to bring you lots of movies and TV shows. This system provides that users can search movies, TV shows by their name & by actor's name who play roles in movies and users can see which show is popular and in trending right now.

## Context Diagram:

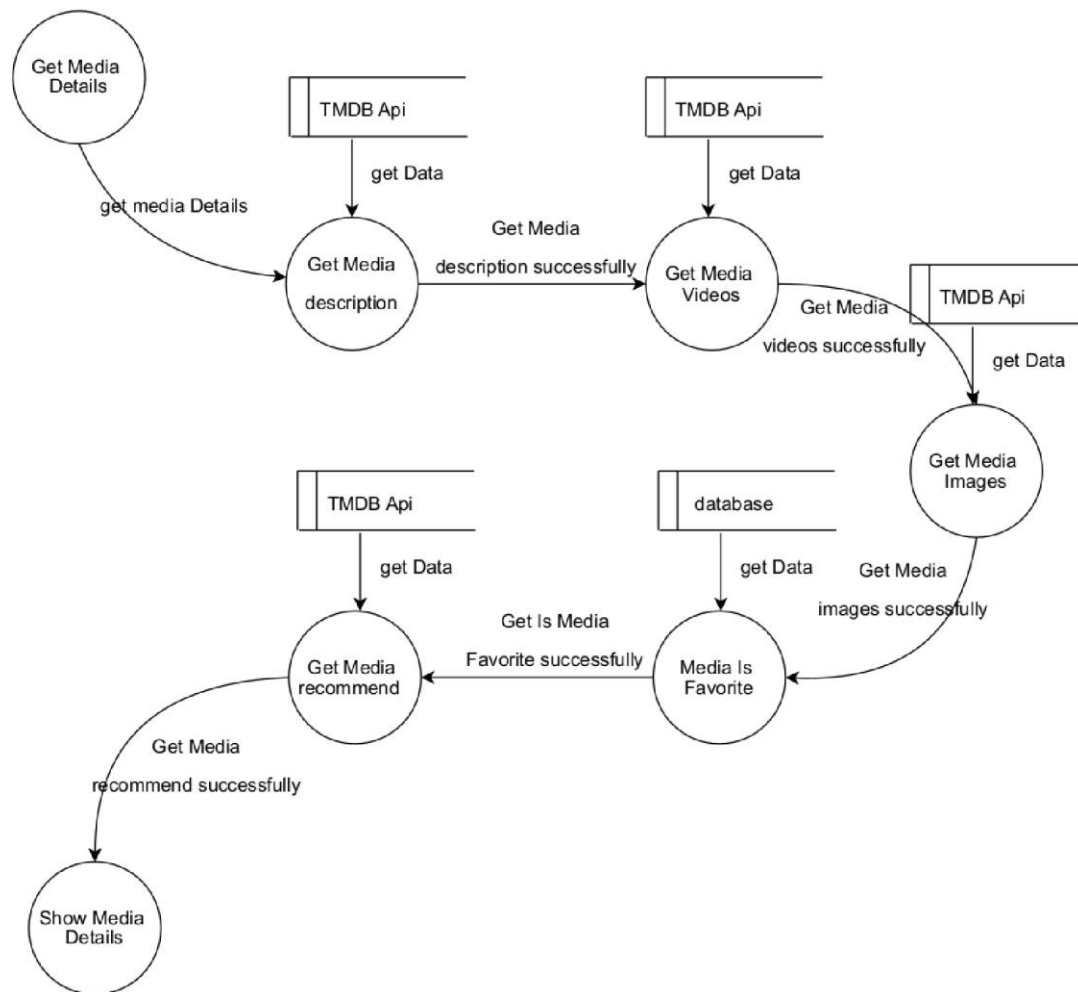
### ➤ Level 0 - Data Flow Diagram:



### ➤ Level 1 - Data Flow Diagram:



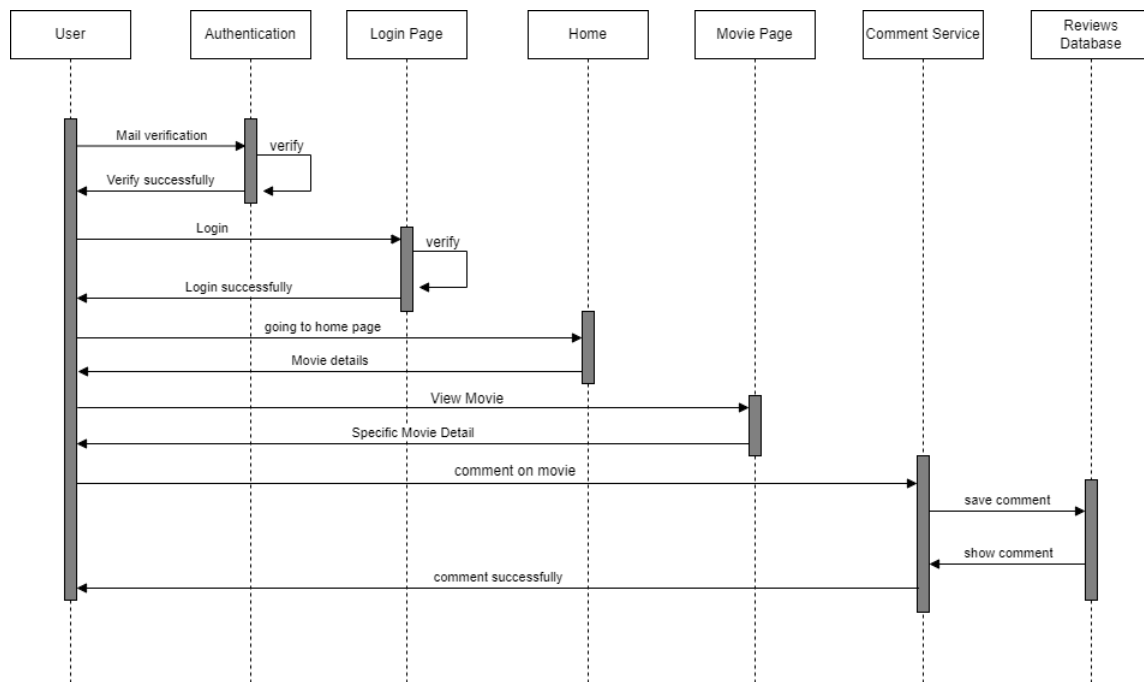
➤ **Level 2 - Data Flow Diagram (Get Media Details):**



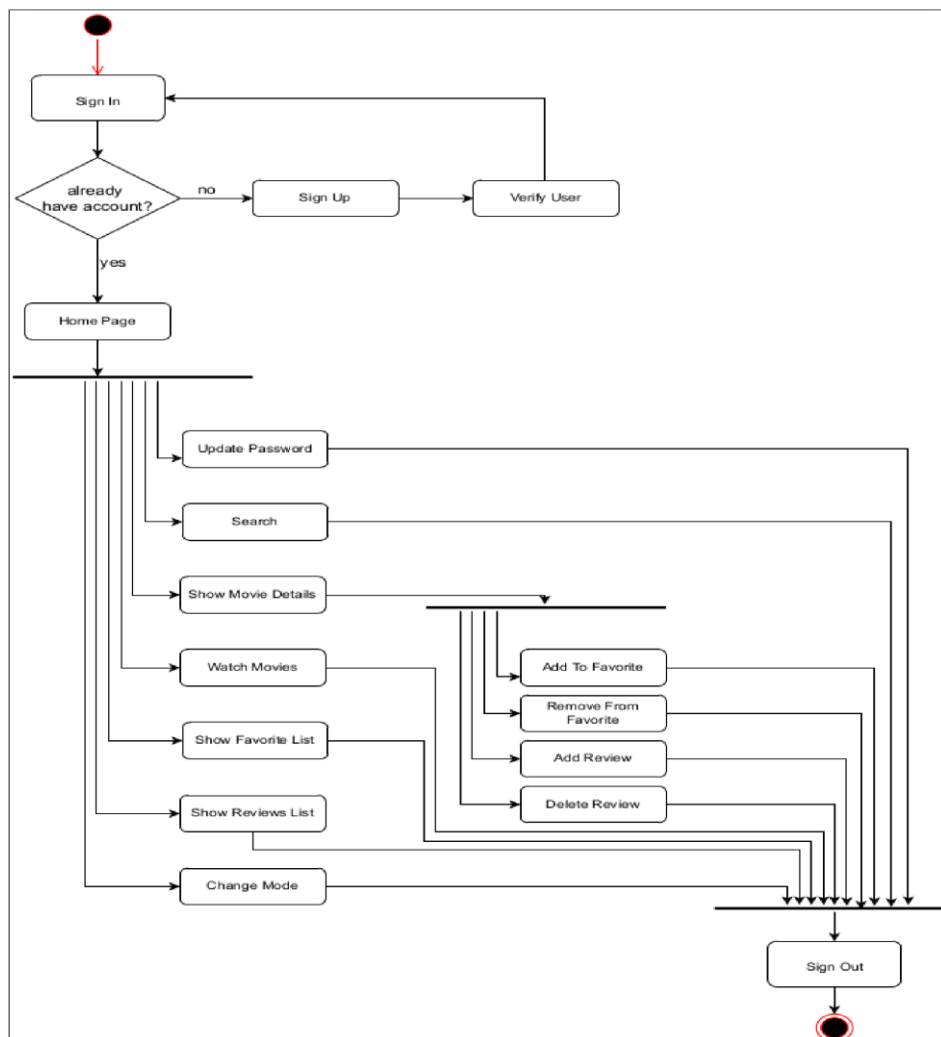
➤ Use case Diagram:



### ➤ Sequence Diagram - Add Comment:



### ➤ Activity Diagram:



## Detailed Use cases:

- **Sign-Up: -**
  - **Input:** email, password, name.
  - **Output:** Sign up successful and email send account verify
- **Sign-In: -**
  - **Input:** email, password.
  - **Output:** Token, user's data and sign in successful
- **Update-Password: -**
  - **Input:** password, new Password.
  - **Output:** password updated successfully
- **Get User Data: -**
  - **Input:** user id.
  - **Output:** user's data in Json format.
- **Verify User: -**
  - **Input:** user id.
  - **Output:** user verified and send message user account verified successfully
- **Add Favourite: -**
  - **Input:** user id, media id.
  - **Output:** data which is saved in favourite in Json format.
- **Remove Favourite: -**
  - **Input:** favourite id.
  - **Output:** favourite media deleted successfully
- **Get Favourite: -**
  - **Input:** user id.
  - **Output:** data of favourite media list is sorted according to which is first added.
- **Add Review: -**
  - **Input:** media id.
  - **Output:** data which is saved in review in Json format.
- **Remove Review: -**
  - **Input:** review id.
  - **Output:** review deleted successfully
- **Get Review: -**
  - **Input:** user id.
  - **Output:** data of review list is sorted according to which is first added.
- **Search: -**
  - **Input:** actor name or show name.
  - **Output:** data of media list which relate with search in Json format

## Tools, Technologies:

- **Platform:** MongoDB
  - It maintains the database Objects and related stored procedures.
- **Platform:** React JS library
  - ReactJS works as a front-end and retrieves data from the .Net Core Web API. It proceeds with the record and displays it in the browser.
    - **Language:** JavaScript
- **Platform:** Node JS library
  - NodeJS works as a back-end and fetches data from the database and returns responses in JSON format.
    - **Language:** JavaScript
- **Other tools:** Postman, VS Code



## APIs used:



I utilized the TMDB to gather valuable information and enhance the quality of my work. The TMDB provided me with a vast array of data that was crucial for conducting thorough research and analysis. By incorporating data from the TMDB into my project, I was able to enrich its content and ensure its accuracy and reliability. The use of the TMDB significantly contributed to the success of this project, allowing me to make well-informed decisions and achieve my objectives effectively.

## Testing Strategies and Reports:

### TESTING STRATEGY:

- The development process repeats this testing subprocess a number of times for the following phases.
- Unit Testing: It ensures that all code meets quality standards before it's deployed. Also, it detects software bugs earlier.
- Integration Testing: It tests whether the various programs that make up a system, interface with each other as desired, fit together and whether the interfaces between the programs are correct.

### We also used below testing methods:

- Smoke testing: It is a software testing process that determines whether the deployed software build is stable or not. Smoke testing is a confirmation for the QA team to proceed with further software testing.
- Exploratory testing: It is suited for specific testing scenarios. While testing other scenarios, most of the bugs we find. It is often described as simultaneous learning, test design, and execution.



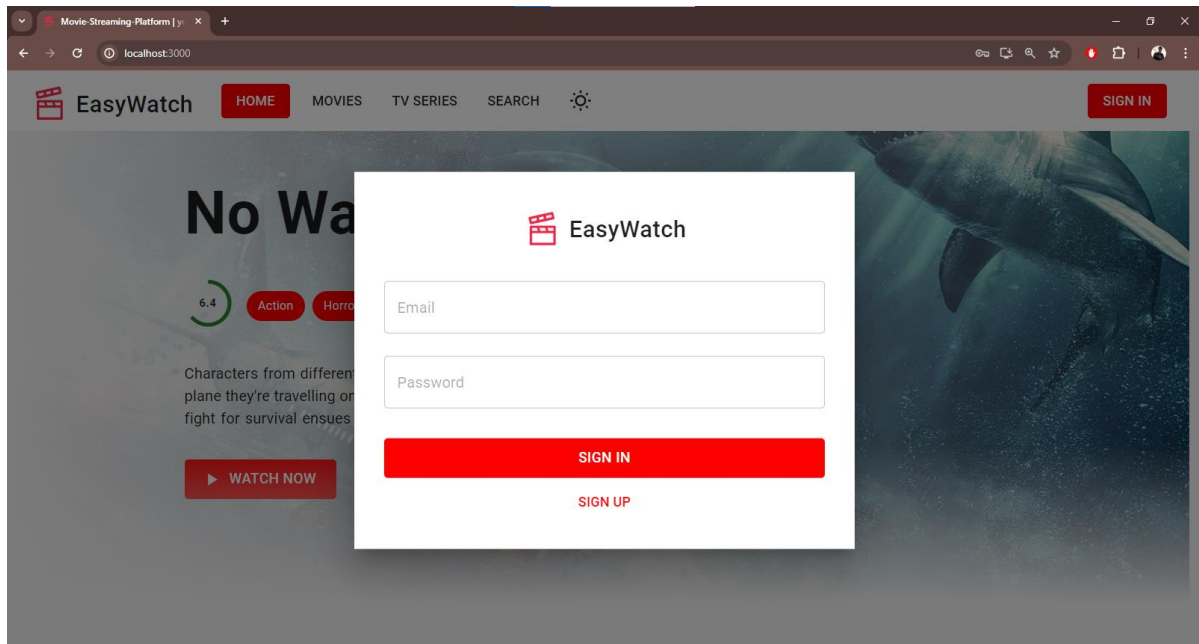
- Regression testing: Ensures that new coding doesn't interrupt existing coding features.  
Assures there are no defects or bugs after implementing software update

## TEST CASES:

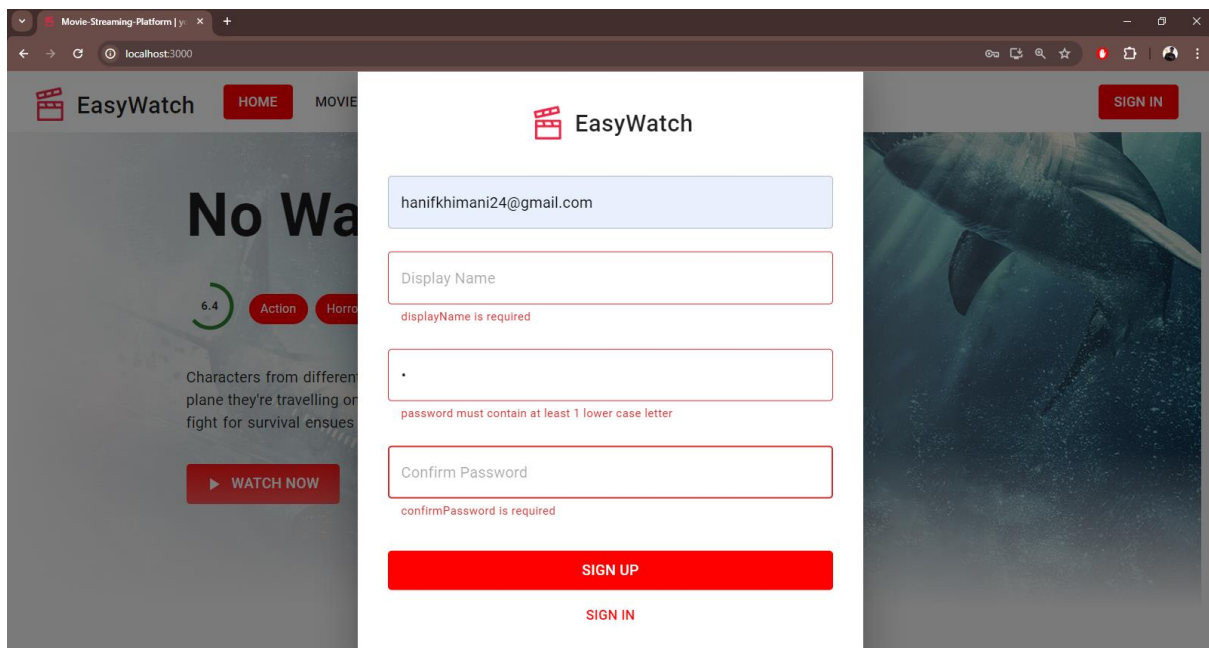
Entity	Test Case	Expected Output	Actual Output	Result
<b>Sign-Up</b>	Validation	Redirect To Login Page	As Expected	Pass
<b>Sign-In</b>	Validation	Redirect To Home Page	As Expected	Pass
<b>Update Password</b>	Validation	Password Updated Successfully	As Expected	Pass
<b>Get User Details</b>	View Details	Show Details of User	As Expected	Pass
<b>Verify User</b>	Validation	User Verify Successfully.	As Expected	Pass
<b>Add To Favorite</b>	Validation	Media Added In Favorite.	As Expected	Pass
<b>Remove From Favorite</b>	Validation	Media Removed In Favorite.	As Expected	Pass
<b>Get Favorite List of User</b>	View Details	Display List of All Favorite Medias.	As Expected	Pass
<b>Get Media List</b>	View Details	Display List of Media with Details	As Expected	Pass
<b>Get Genres List</b>	View Details	Display List of Genres with Details	As Expected	Pass
<b>Search</b>	View Details	Display All Media Related to Search String	As Expected	Pass
<b>Get Media Details</b>	View Details	Display Details of Selected Media	As Expected	Pass
<b>Add Review</b>	Validation	Review Added to That Media	As Expected	Pass
<b>Delete Review</b>	Validation	Review Added from That Media	As Expected	Pass
<b>Get All Reviews</b>	View Details	Display List of All Favorite Medias.	As Expected	Pass

## Snap Shots:

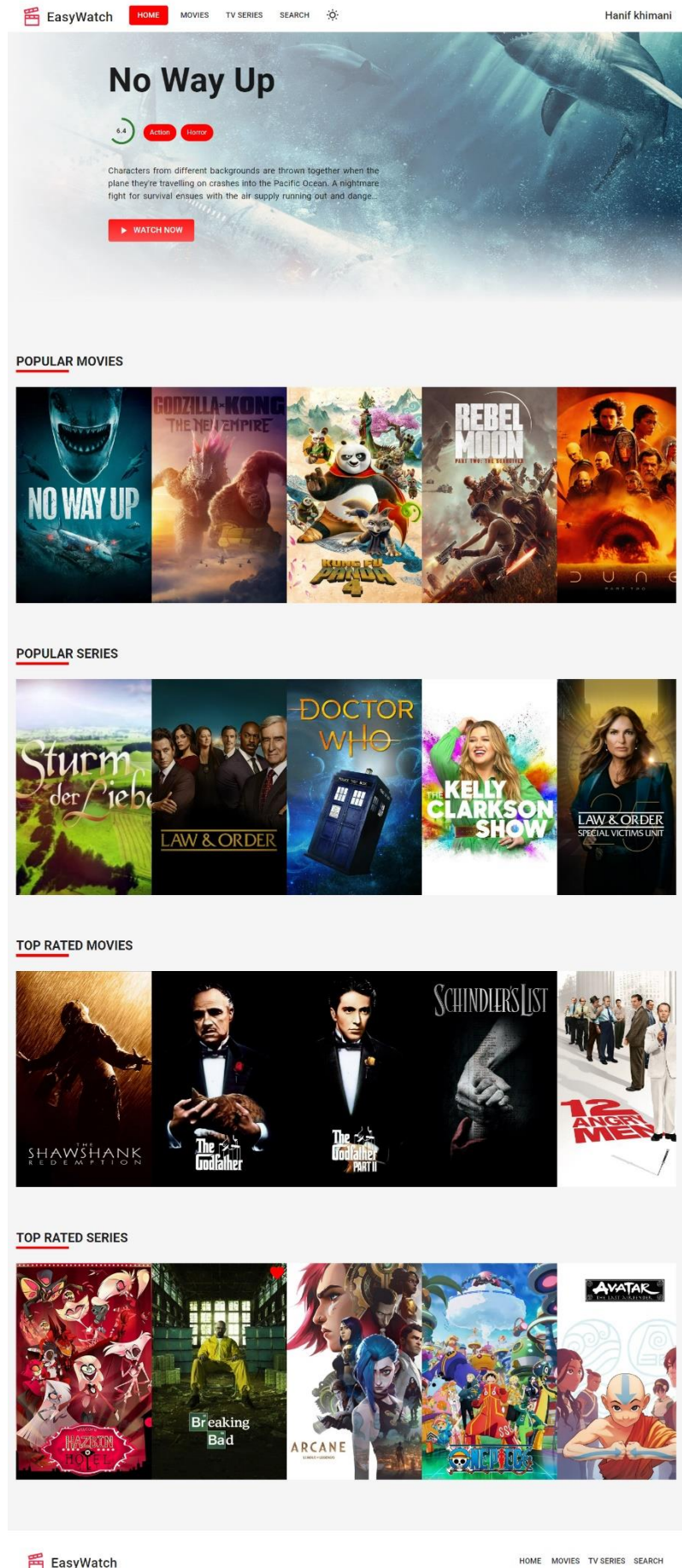
### ➤ Login:



### ➤ Register:



## ➤ Home Page:





➤ **Movie Page:**

[HOME](#)
[MOVIES](#)
[TV SERIES](#)
[SEARCH](#)

Hanif khimani

## No Way Up

6.4
Action
Ismp

Characters from different backgrounds are thrown together when the plane they're travelling on crashes into the Pacific Ocean. A nightmare fight for survival ensues with the air supply running out and danger...

[▶ WATCH NOW](#)

Movies

[POPULAR](#)
[TOP RATED](#)

[LOAD MORE](#)

[HOME](#)
[MOVIES](#)
[TV SERIES](#)
[SEARCH](#)

➤ TV Series Page:

[HOME](#)
[MOVIES](#)
[TV SERIES](#)
[SEARCH](#)

Hanif khimani

## Sturm der Liebe

5.6
Drama
Soap

These are the stories of relationships taking place in the fictional five-star hotel Fürstenhof, located in Feldkirch/Westerham near Rosenheim with the plot revolving around members of the family too.

[WATCH NOW](#)

TV Series

[POPULAR](#)
[TOP RATED](#)

[LOAD MORE](#)

[HOME](#)
[MOVIES](#)
[TV SERIES](#)
[SEARCH](#)



➤ Search Page:

[HOME](#)
[MOVIES](#)
[TV SERIES](#)

Hanif khimani

[MOVIE](#)
[TV SERIES](#)

[PEOPLE](#)

Pari

Paris Warner

Anne Parillaud

Paris Berelc

Paris Hilton

Parisa Fitz-Henley

Annie Parisse

Jerry Paris

Alba Parietti

Devika Parikh

Sarah Parish

Paris Barclay

Paris Smith

Parineeti Chopra

Paris Benjamin

Paris Themmen

Paris Jackson

Rico Paris

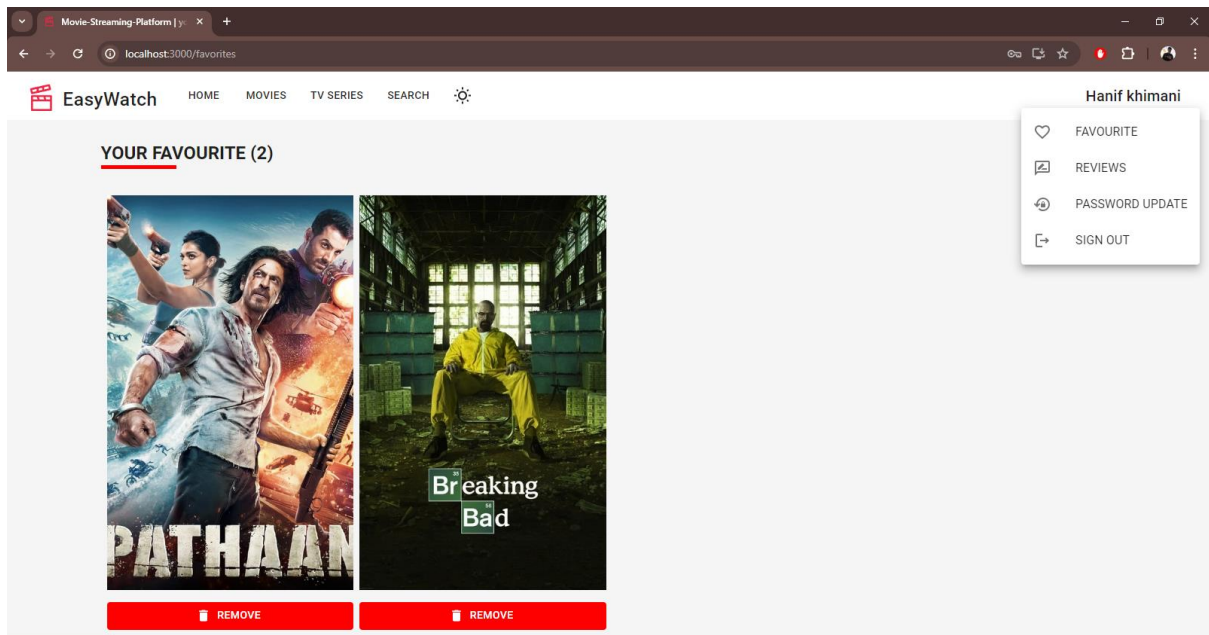
Jeffrey Vincent Parise

Shivankit Singh Parihar

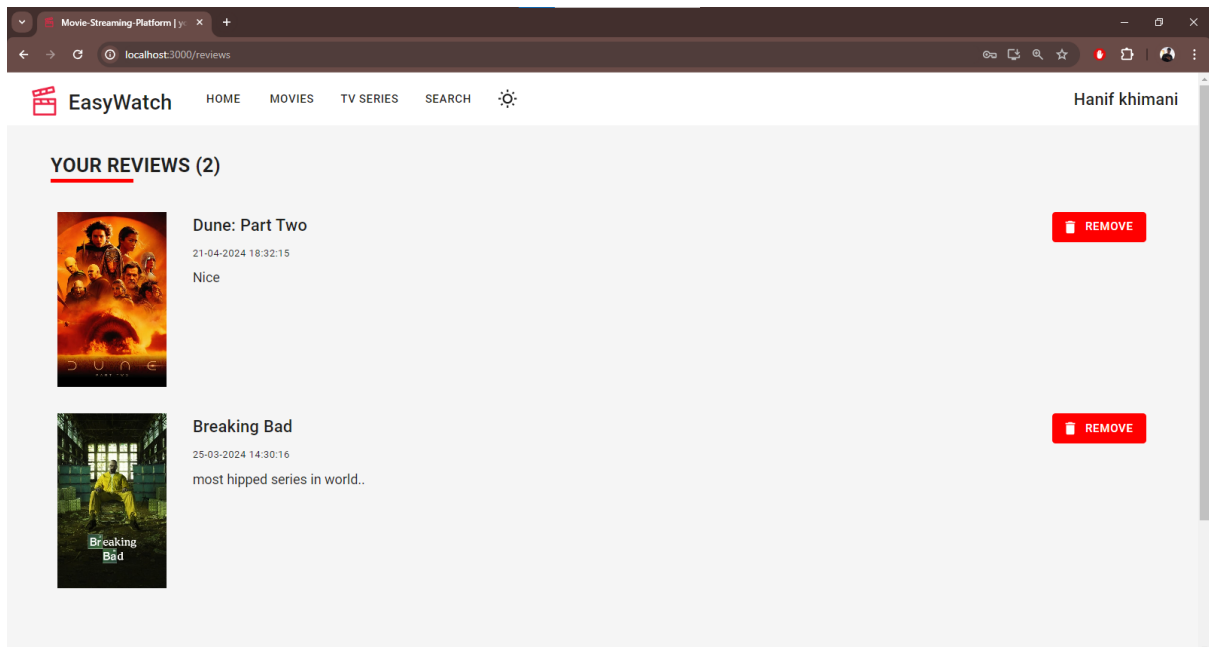
[LOAD MORE](#)

[HOME](#)
[MOVIES](#)
[TV SERIES](#)
[SEARCH](#)

## ➤ Favourite:



## ➤ Review Page:



➤ In to the Movie:

[HOME](#)
[MOVIES](#)
[TV SERIES](#)
[SEARCH](#)

[Hanif khimani](#)

## Kung Fu Panda 4 2024

PG

12

Watch Now

This is going up to become the spiritual leader of his Valley of Peace, but also needs someone to take his place as Dragon Warrior. As such, he will train a new kung fu practitioner for the spot and will encounter a villain called the Chameleon who conjures villains from the past.

Watch Now

### CAST

### VIDEOS

### BACKDROPS

### POSTERS

### REVIEWS (0)

Write your review

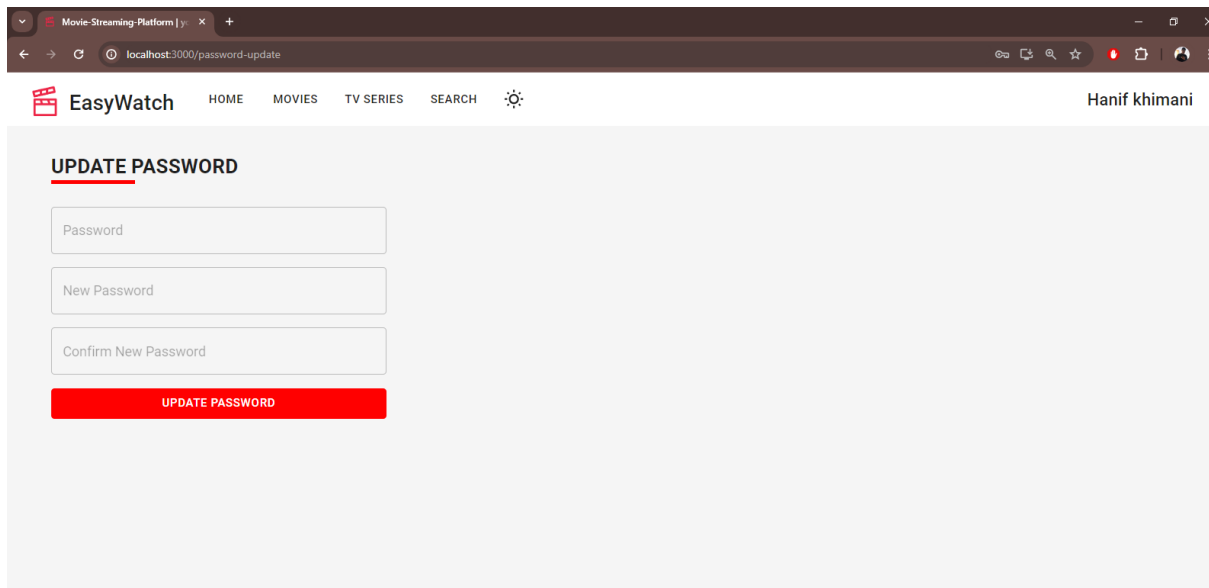
Post

### YOU MAY ALSO LIKE

[HOME](#)
[MOVIES](#)
[TV SERIES](#)
[SEARCH](#)



## ➤ Update Password:



The screenshot shows a web browser window with the address bar displaying 'localhost:3000/password-update'. The page title is 'Movie-Streaming-Platform | y'. The navigation bar includes the 'EasyWatch' logo, links for 'HOME', 'MOVIES', 'TV SERIES', and 'SEARCH', and a user profile icon labeled 'Hanif khimani'. The main content area is titled 'UPDATE PASSWORD' and contains three input fields: 'Password', 'New Password', and 'Confirm New Password'. Below these fields is a red button labeled 'UPDATE PASSWORD'.

## ➤ Learnings:

- **React Js:**
  - <https://reactjs.org/tutorial/tutorial.html>
- **Node Js:**
  - <https://nodejs.dev/en/learn/>
  - <https://www.npmjs.com/>
  - <https://www.w3schools.com/nodejs/>
- **MongoDB:**
  - <https://www.mongodb.com/docs/>
  - <https://www.w3schools.com/mongodb/>

## ➤ GitHub Link: [Code](#)