EAST WEST UNIVERSITY

Project Report

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Movie Streaming Site

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Movie Streaming Site

Introduction:-

A movie streaming service provides an opportunity for movie lovers to watch movies without downloading them. There are some sites that contain a lot of movies and range from various categories and generations. Content from these films can be accessed through various gadgets like cell phones, tablets, personal computers or smart televisions allowing the users to watch the films at whatever place and time. Content cannot be distributed through the traditional ways of media such as DVDs or cable television but through these websites, users can access the content through the internet.

Our platform offers a seamless and engaging way for users to browse, select, and enjoy a vast collection of movies from a wide range of genres. Whether one is in the mood for Action, Romance, Sci-Fi, Comedy, or any other genre, our site provides an intuitive and user-friendly experience to help them discover and watch their favorite content with ease.

Upon visiting our site, users can quickly register or log in to gain access to a personalized dashboard that enhances their streaming experience. Once logged in, each user is provided with an account management panel where they can update their preferences, view their watch history, and manage their subscription plans if applicable. Users have full control over their account settings, including options to change profile details, update passwords, adjust notification preferences, and more. Our goal is to offer a customized experience that makes streaming not only fun but also personalized to each viewer's taste.

The platform's interface makes it easy for users to explore content through various sorting and filtering options. Whether searching by title, actor, director, release year, or specific genres, users will find it simple to discover both classic favorites and the latest trending movies. Additionally, the platform supports a letter-based navigation system for quick access to movies, enabling users to browse alphabetically or through curated collections.

Behind the scenes, our admin panel empowers site administrators to manage and update the movie catalog efficiently. Admins can add new movies, update movie details, assign genres, feature top films, and curate lists to ensure that the content remains up to date.

Our website employs advanced streaming technology to ensure high-quality video playback. Whether you're watching in HD, 4K, or standard definition, the video quality dynamically adjusts based on your internet connection, minimizing buffering and offering smooth playback at all times. Whether through exclusive releases, user interface improvements, or additional genres, we're dedicated to providing the best streaming service possible.

Feasibility Study:

A feasibility study is conducted to assess the viability of the proposed movie streaming website. This analysis considers technical, economic, and scheduling factors to ensure the project can be successfully executed.

- Economic Feasibility:

This analysis evaluates the costs and benefits of developing the website. It is crucial to allocate resources wisely by comparing the project's expected expenses and potential revenue.

While development costs and content licensing are high, the project can be economically viable through subscription, advertising, and pay-per-view models. With proper planning, long-term profitability is achievable.

- Technical Feasibility:

This section determines whether the necessary technical resources are available to complete the project. The front-end can be built using HTML and CSS for smooth content delivery. Required components such as databases and content management systems are widely accessible.

With the right tools and expertise, the project is technically feasible and scalable, ensuring smooth operation post-launch.

Features:-

• **Login**: The user can log in first to enter the movie streaming site.

• **Register**: If the user does not have an account, they can create one here by providing their name, email, and password.

• **Home:** This page features Bollywood and Hollywood movies. It also includes options for genres, TV shows, web series, a search function, and a logout button.

• **Genre:** There are 9 genre pages in this project. Each page contains a collection of movies specific to that genre. For each movie, users can view the title, poster, runtime, views, cast, production name, and a brief summary. Users can watch trailers and the full movie in full screen.

1. Action
2. Anime
3. Crime
4. Comedy
5. Fantasy
6. Sci-Fi
7. Thriller
8. Horror
9. Romance

• **TV & Web Series:** Users can watch TV shows and web series here.

• **Search:** Users can search for a specific movie here.

• **Log out:** Users can log out of the site at any time.

Functional Requirements:-

- **User Registration:** Users must be able to create an account by providing necessary details such as name, email, and password.

- **User Login and Logout:** Registered users should be able to log in using their credentials and log out securely.

- **Home Page Display:** The home page should showcase a variety of featured movies with posters from both Hollywood and Bollywood.

- **Genre-Based Movie Selection:** The platform must categorize movies into 9 different genres, with each genre containing a specific selection of movies.

- **Movie Details:** Users should be able to view detailed information about each movie, including the cast, movie name, duration, and a summary.

- **Trailer and Full Movie Streaming:** Users should have the option to watch trailers and stream full movies seamlessly.

- **Search Functionality:** The platform must include a search feature allowing users to look for movies by name, genre, or cast.

- **Logout Functionality:** Users must be able to securely log out of their accounts when they are done using the platform.

Non-Functional Requirements:-

- **Performance:** The site must load quickly, with minimal buffering time for streaming both trailers and full movies.

- **Security:** User data, including login credentials and payment details, must be securely stored and encrypted.

- **Scalability:** The platform should be able to handle an increasing number of users and movies without performance degradation.

- **Reliability:** The platform must provide consistent uptime and handle user requests without crashes or downtimes.

- **Usability:** The interface must be intuitive and easy to navigate for users of all technical backgrounds.

- **Cross-Browser Compatibility:** The platform must work across all major web browsers such as Chrome, Firefox, Safari, and Edge.

- **Streaming Quality:** The platform must provide different streaming quality options (e.g., 720p, 1080p) to accommodate varying internet speeds.

Diagram:-

Use Case Diagram

Activity Diagram

Class Diagram

Component Diagram

Data Flow Diagram

Sequence Diagram

Deployment Diagram

Screenshot of Our work

Login Page

Register Page
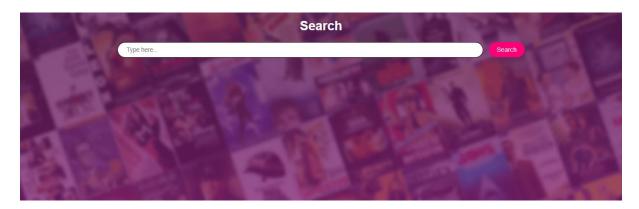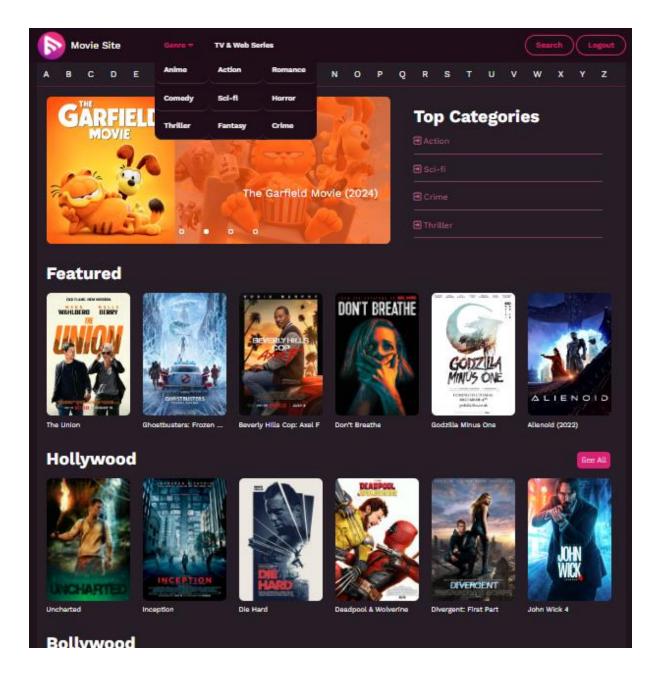
Home Page

TV Series Page

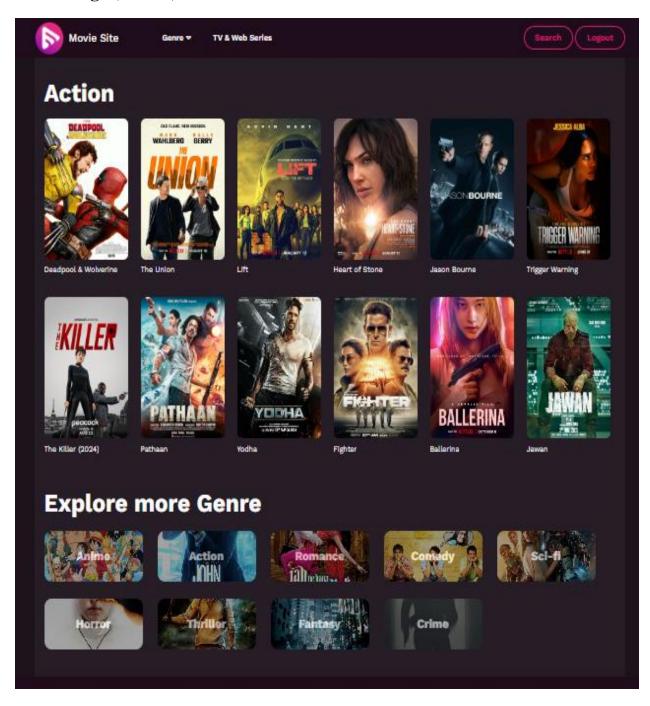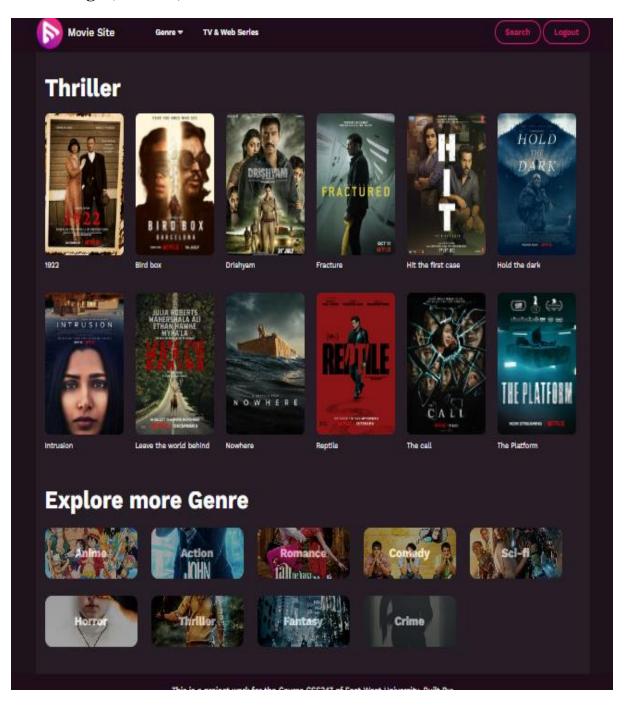## Search Page

Genre List
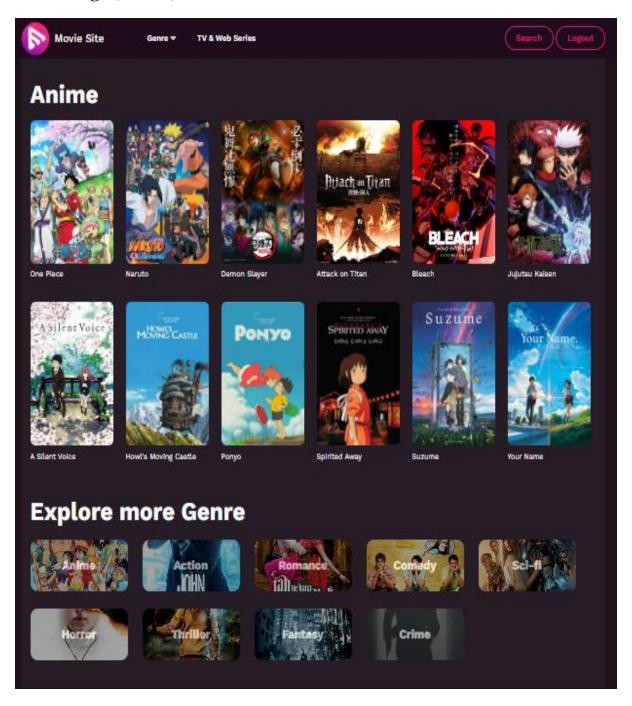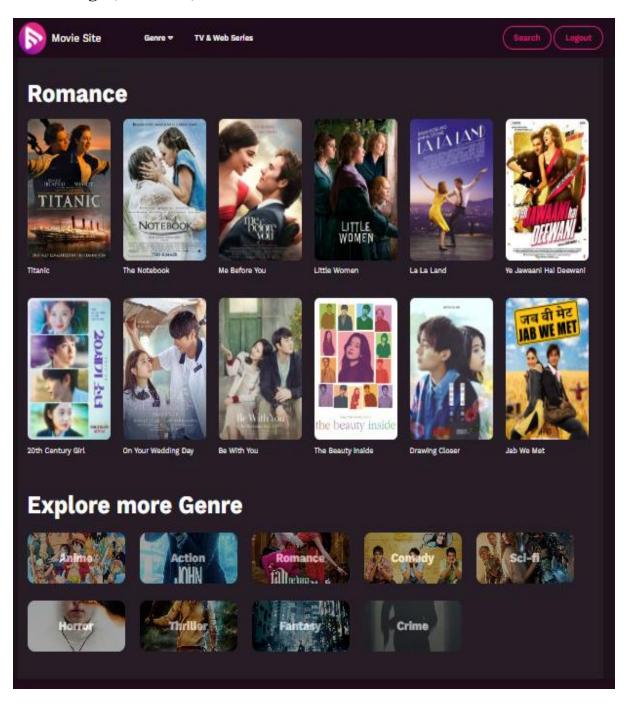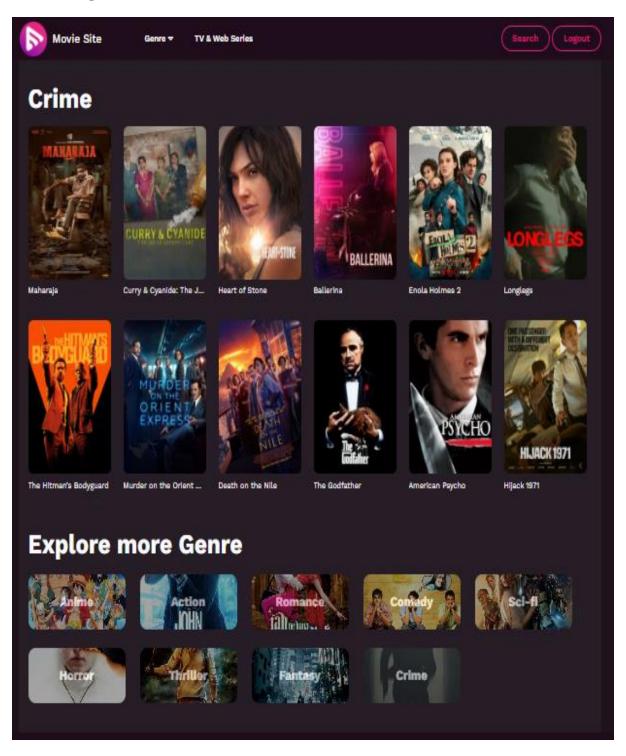
Genre Page (Action)
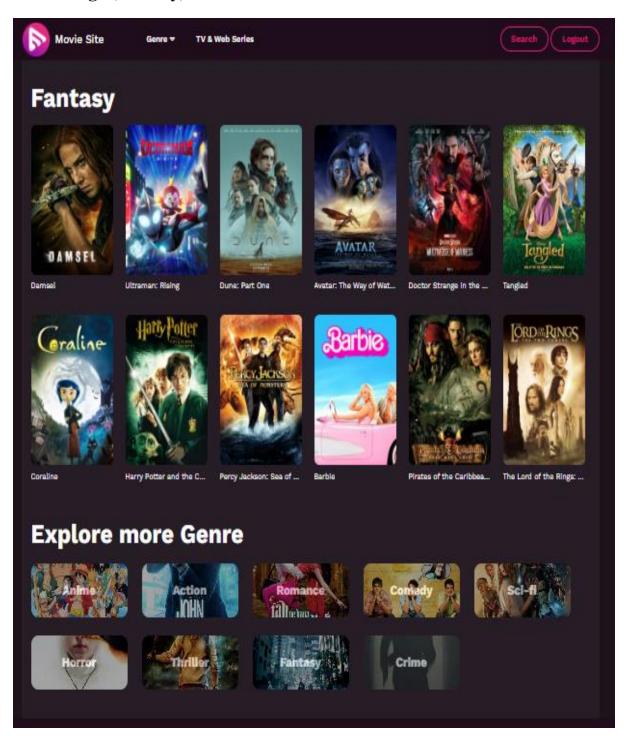
Genre Page (Thriller)

Genre Page (Anime)

Genre Page (Romance)

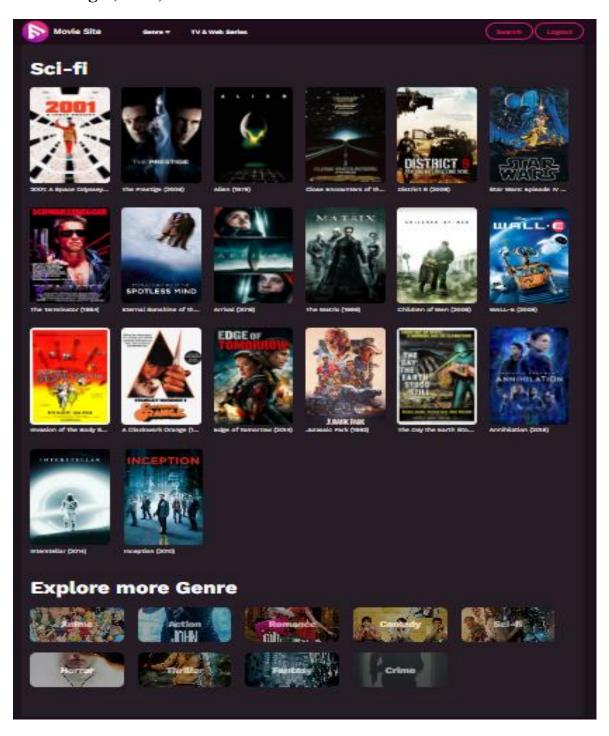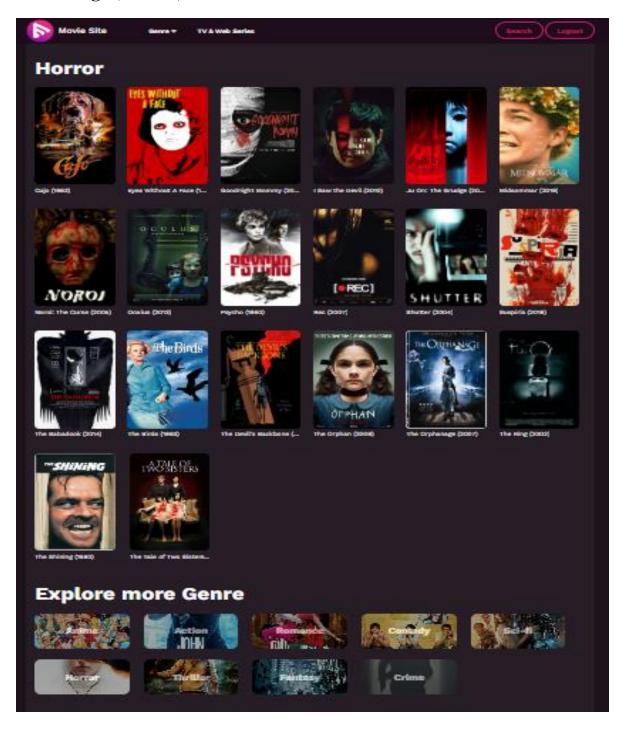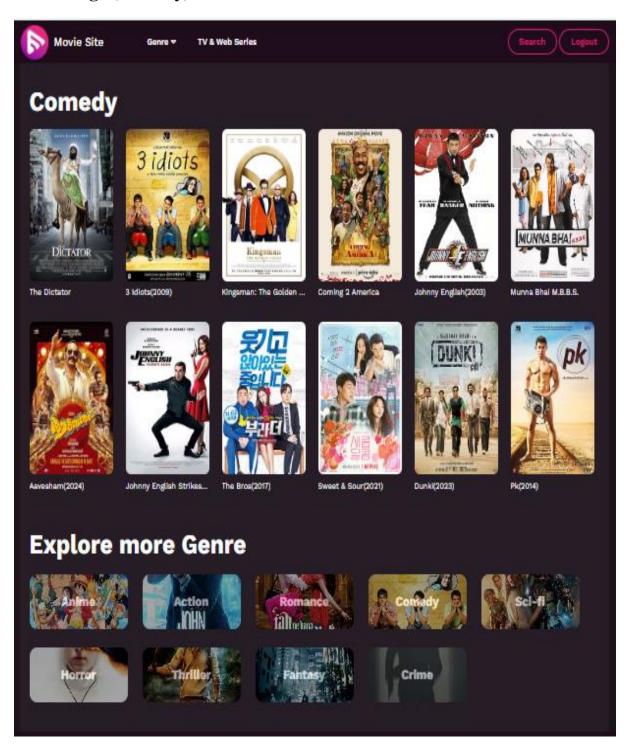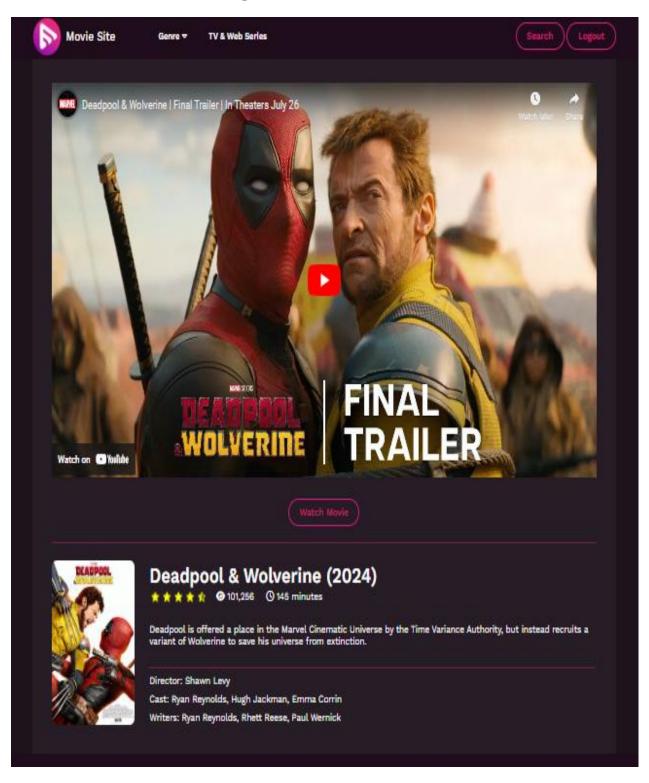**Genre Page (Crime)**

Genre Page (Fantasy)

Genre Page (Sci-fi)

Genre Page (Horror)
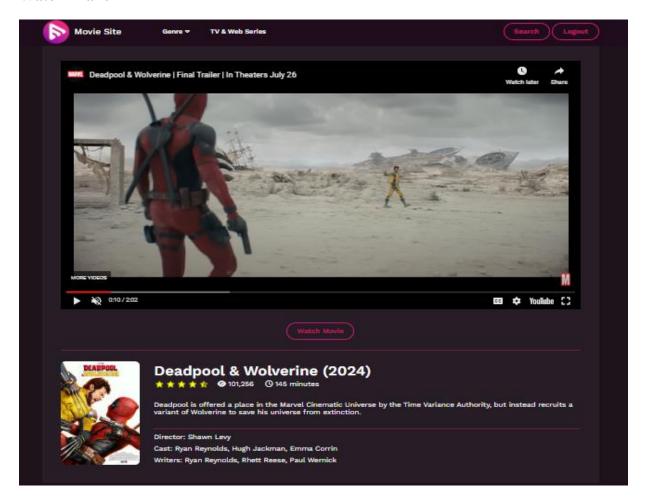
Genre Page (Comedy)
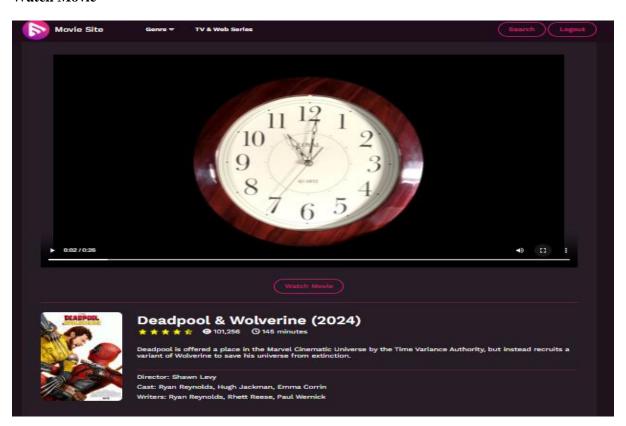
Trailer and Watch Movie Page

Watch Trailer

Watch Movie

Conclusion

Our movie streaming website offers an all-in-one solution for a seamless, personalized, and high-quality movie-watching experience. From a vast selection of genres to user-friendly account management, we provide a platform designed with both casual viewers and movie enthusiasts in mind. The ability to register, log in, and access personalized features like watch history, curated recommendations, and flexible subscription options ensures that each user enjoys content in their own way

Future work should focus on implementing the responsive feature to like Bootstrap or Tailwind framework for better adaptability on different display sizes according to device. The current system does not include premium user options where premium user can access special content. Adding better content in the future will make the watching process more enjoyable. Implementing these types of feature in the future will greatly enhance user support and smoothing.

With an easy-to-navigate interface, powerful search and filtering tools, and dynamic streaming technology, our platform guarantees smooth, uninterrupted playback across all devices. Whether you're exploring the latest blockbuster, re-watching a timeless classic, or discovering hidden gems, we provide everything you need for an immersive and enjoyable movie streaming journey.

The End