



PROJECT PROPOSAL

Movix.Stream inc.

Prepared For
MOVIX.STREAM

Prepared By
MOVIX.STREAM TEAM

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About Team Movix.Stream

Let me introduce myself, my name is Fadilah Inayat Ali. I am in this project as Project Manager and Front-end and also help with the ML. My job here is to create a display that has been designed by UI/UX then I make a website where this website will later be available. integration with machine learning.

"Take risks that are greater than what others think is safe. Pay more attention to what other people think is wise. Dream more than what other people think is reasonable"

Introduce myself, my name is Anis Mubarokah. I'm in this project as Front-end. My task here is to create a display that has been designed by UI/UX and then create a website. integration with machine learning,

"If we haven't tried then we won't know what success is, don't be afraid to start"

And I am dila nur ilahiyah, my part of this project is as a back end. which will participate in designing and building the system architecture. But than that, of course, everything is done together and helps each other team members.

Hi, Let me introduce my self, my name is Fahmi Hasan Baihaqi I participated in this project as UI/UX design and front end and in general my task is to design an appearance on an application or website so that the product or service can function well and have easy access for its users. and I also helped a little on the front end.

"Failing is part of life's scenario, enjoy it and you will feel successful later"

ORGANIZATION AND MANAGEMENT



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Topic And Motivation



TOPIC

Movix.Stream is the ultimate companion for film enthusiasts who want to explore the cinematic world effortlessly. By utilizing intelligent algorithms, this application delves into your preferences based on previous movie genres and ratings, providing tailored recommendations accordingly. It elevates the movie-watching experience to the next level, making the quest for the perfect film both easier and more enjoyable.



MOTIVATION

Surah Al-Baqarah (2:282):

وَلَا تُفْسِدُوا فِي الْأَرْضِ بَعْدَ إِصْلَاحِهَا وَدَكْرُوا بِآيَاتِ رَبِّكُمْ وَدَذْكُرُوا
بِالنَّيْمَةِ الْآخِرَةِ وَانْتُهُوا عَنِ اللَّهِ وَلَا تَنْمَأَدُوا

Translation:

"And help you in (works of) goodness and piety, and do not help in committing sins and transgressions. And fear Allah, indeed Allah SWT is very severe in punishment." This verse encourages cooperation for a good cause. Creating a movie recommendation application can be a form of collaboration that benefits the community by providing a valuable service.



Target User Group

The target user group of the Movix.Stream project is



Teenagers

This group seeks movie recommendations that are appropriate for their age and interests. They may appreciate features that allow them to connect with friends and share recommendations.



Young Adults

This group seeks movie recommendations that align with their lifestyle and interests. They may appreciate features that allow them to find movies based on streaming platforms or VOD services.



Families

This group seeks movie recommendations that are suitable for viewing by all family members. They may appreciate features that allow them to create separate user profiles and get personalized recommendations.

Movix.Stream targets three primary user groups: teenagers, young adults, and families. By offering a diverse selection of movies and catering to individual tastes and preferences, Movix.Stream can capture the interest and loyalty of young adult users. Families represent a diverse user group with members spanning different age ranges. Movix.Stream aims to provide inclusive, family-friendly content and features that facilitate collaborative decision-making.

This includes creating separate user profiles for each family member, implementing parental controls, and curating a selection of movies suitable for viewers of all ages. By understanding and catering to the unique needs of these target user groups, Movix.Stream Through personalized recommendations, social features, and family-friendly content, Movix.Stream.

Proposed Solution

Movix.Stream

Movix.Stream is a movie fan's best friend. This application provides film recommendations according to the user's tastes. Experience an easier and more enjoyable movie watching experience with Movix.Stream.



1

Name For Website

2

Logo For website

3

Colors

4

Service Provider

Our website will offer many features, including film recommendations that suit what you like



Movix.Stream

Movix.Stream is the ideal partner for film fans who want to explore the cinematic world without the hassle of choosing. With Movix.Stream, users will get recommendations that match their preferences without any hassle. By using a smart algorithm, this application understands user preferences based on genre and previous film ratings, so it can provide the right recommendations. With Movix.Stream, the movie watching experience will reach a new level, making the search for the perfect movie easier and more fun.



Relate to SDGs



Quality Education (SDG 4): Web films that present educational stories, awareness campaigns, or learning materials can support access to quality education, which is a key point of SDG 4.



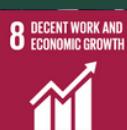
Good Health and Well-being (SDG 3): Films that highlight public health issues, infectious diseases, or other health challenges can raise awareness of these issues and promote efforts to achieve SDG 3.



Justice and Strong Institutions (SDG 16): Web films that depict issues of justice, human rights violations, or social injustice can raise awareness and strengthen calls for fair and inclusive institutions.



Gender Equality and Women's Empowerment (SDG 5): Films that address gender equality issues, including sexual harassment, gender pay gap, or violence against women, can promote gender equality in line with SDG 5.



Economic Empowerment (SDG 8): Web films that highlight poverty, unemployment, or economic inequality issues can help increase understanding of these challenges and encourage efforts to achieve inclusive economic growth.



Life Below Water (SDG 14): Films discussing ocean and fisheries issues, such as marine resource conservation and combating ocean pollution, can support the achievement of SDG 14.



Environmental Protection (SDG 13 and 15): Films emphasizing the importance of environmental protection, biodiversity conservation, or climate change mitigation can help promote efforts to achieve SDG 13 (Climate Action) and SDG 15 (Life on Land).



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Poverty Alleviation (SDG 1): Films depicting poverty challenges and ways to address them can help promote efforts to achieve SDG 1.

FlowChart

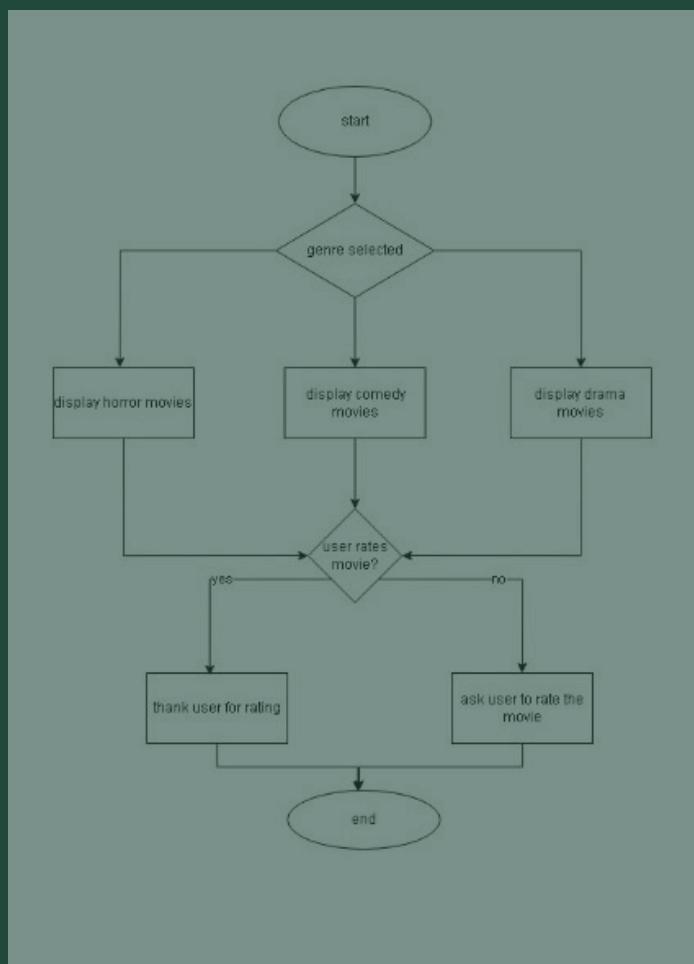
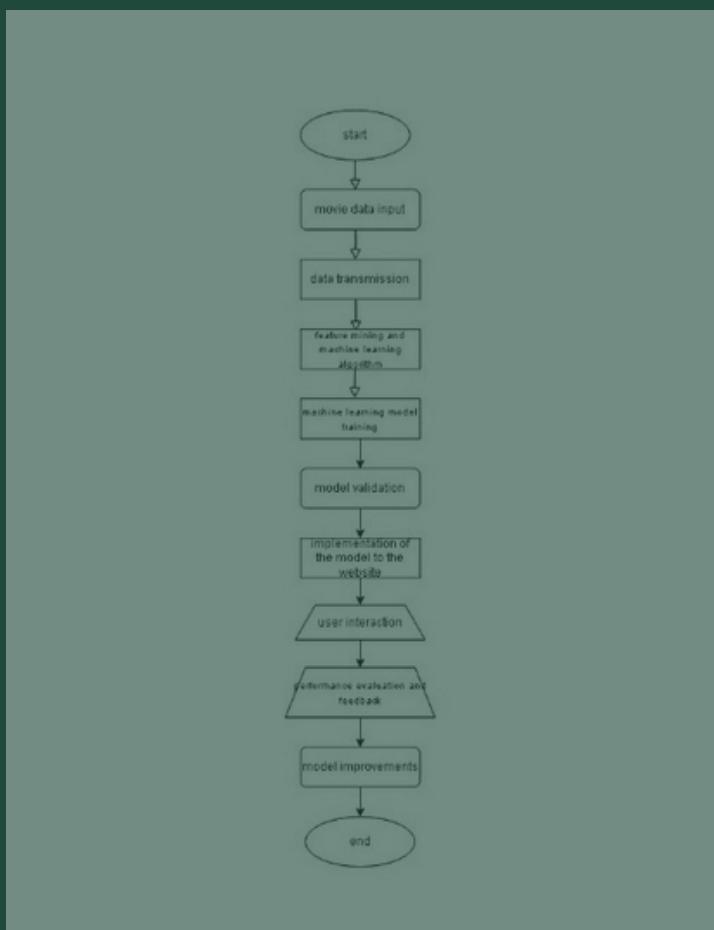


Illustration and Design

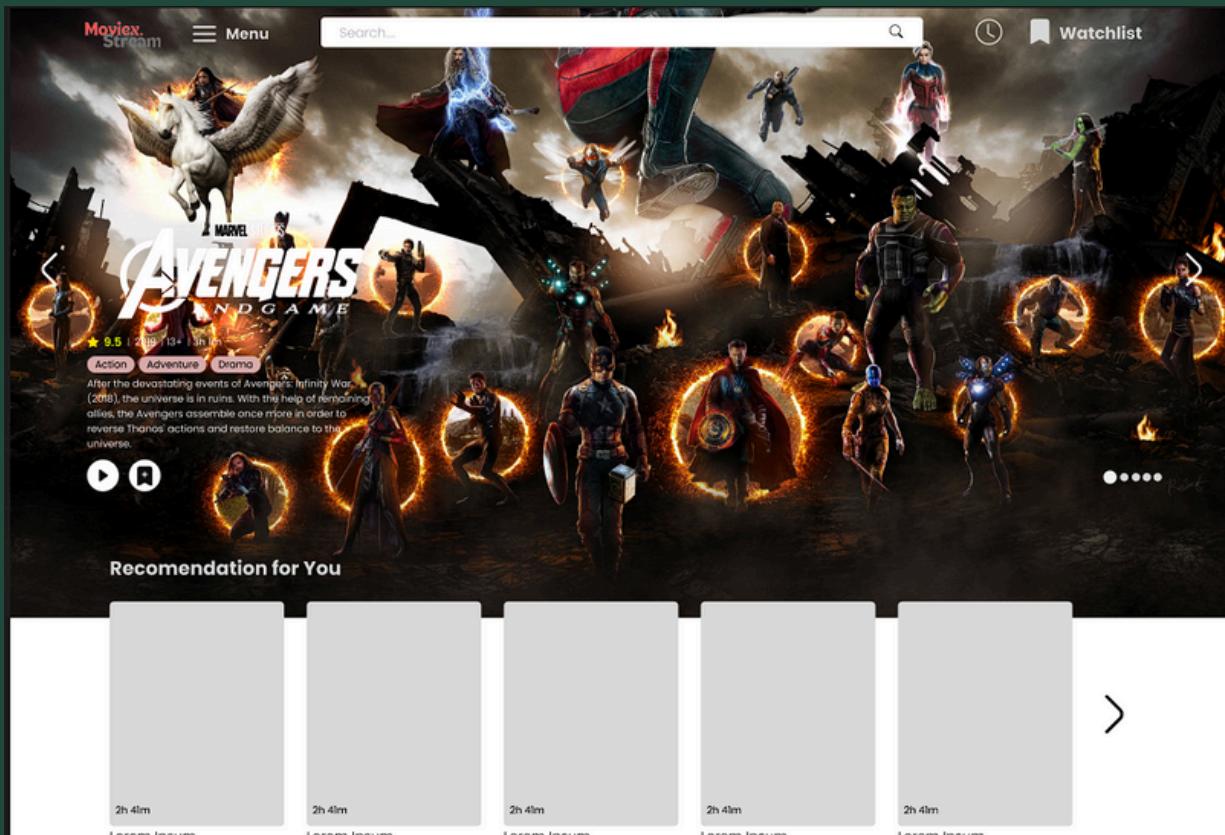
Product Illustration

The Movix.Stream website offers a comprehensive experience for users seeking cinematic entertainment. Its homepage features a large banner showcasing popular films or latest recommendations, while the "Trending Now" section displays films currently generating buzz. The user-friendly search feature allows users to find films by title or specific genre, with the "Genre" and "Recommendations for You" sections providing further exploration options based on user preferences.

Each film detail page provides extensive information about the selected film, including synopsis, genre, rating, and user reviews, along with buttons to watch immediately or add the film to a playlist. The search page delivers relevant results based on keywords or genres, with filter options to refine search results according to user preferences.

The user account page offers customizable profiles, including options to adjust preferences and create personal playlists, as well as viewing history and a list of watched films. Users can also provide reviews and ratings for films they have watched, enriching the overall user experience.

Product Design



Research questions and objectives

Research Question

- 1.What types of content are most interested in by film website users, and how have these preferences evolved over time?
- 2.Users often feel confused and take a long time to find a movie that suits their preferences among the many choices available on various streaming platforms?
- 3.Content spread across various streaming platforms often makes it difficult for users to access a variety of their favorite films and series without having to subscribe to several services at once?

Objectives

- 1.Analyzing usage patterns and content preferences of film website users by using analytical data such as number of viewers, duration of viewing, and level of interaction with certain content.
- 2.Movix.Stream provides an intuitive and efficient search interface, so users can quickly find the movies they want based on the genre, title or actors they like.
- 3.Movix.Stream strives to be the only destination for users to find a variety of their favorite film and series content by combining various collections from various content providers in one easy-to-access platform.

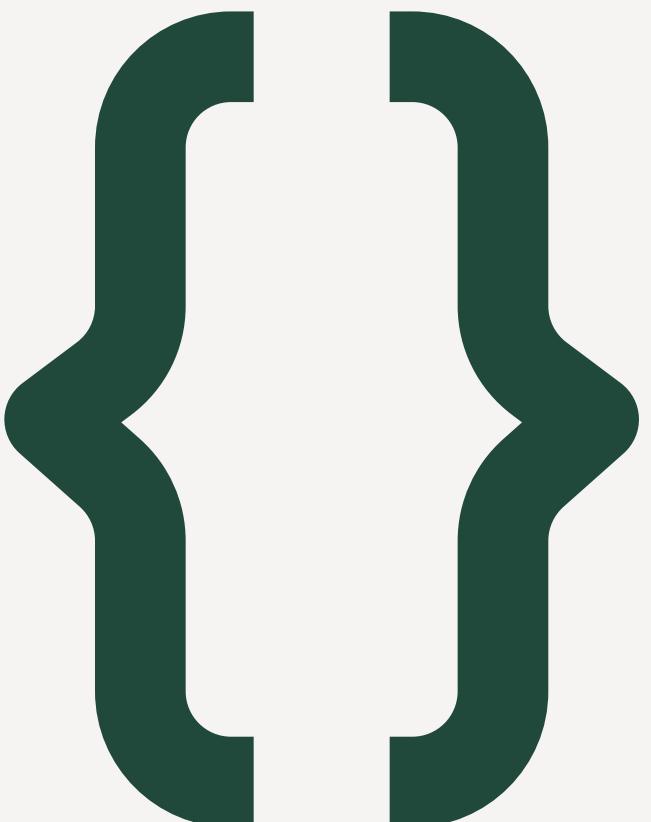
Methodology

In developing Movix.Stream, we applied a clustering method to analyze user preferences and viewing patterns, in order to provide personalized and relevant film recommendations. Data is collected from a variety of sources, including users' viewing history, ratings given, and film metadata such as genre, director, and actors. This data is then cleaned and processed to produce relevant features for the clustering model. After evaluating several clustering algorithms, we choose the most suitable algorithm, such as K-Means or K-Nearest Neighbor.

This clustering model is trained with processed data to group users based on the similarity of their viewing preferences. Users in the same cluster have similar movie tastes, so movie recommendations can be provided more accurately. We continue to update the model regularly with new data to ensure that it remains relevant and adaptive to changing user preferences. Evaluation and validation are carried out using cluster quality metrics and user feedback to ensure the recommendations provided meet their expectations. With this method, Movix.Stream can provide a more personal and satisfying viewing experience for each user.

Project Timeline

Week 01	Looking for references
Week 02	Planning and Analysis
Week 03	Front-end development
Week 04	Front-end development
Week 05	Back-end development
Week 06	Back-end development
Week 07	Testing and debugging
Week 08	Finalization and Launch



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