Flixio Movie Web Application

Project Proposal

Register Number	:-	GAM/IT/2022/F/0010
Student Name	:-	A.Thathmini Lalithya Perera
Supervisor Name	:-	Ms.N.D.Gunasekara
Date of Submission	:-	10th of March 2025

Table of Contents

1. Introduction of the project

1.1 Business Process

- Information about upcoming releases is gathered from print advertisement.
- Having a day and time to show the movie .
- Things required that people go to the cinemas in order to watch a certain movie and that must be standing in long line order to get the movie tickets.
- Showing the film only to a limited number of seats.
- People share their opinions about movies through face-to-face conversations or phone calls.

1.2 Problem Statement

Aspect	Manual System Disadvantages	Movie Web Application Advantages
Efficiency	Time-consuming and labor-intensive	Automated and efficient
Accessibility	Limited to physical access	Accessible from anywhere with an internet connection
Personalization	No personalized recommendations	Tailored recommendations based on user preferences
Data Management	Cumbersome and prone to errors	Easy to create, update, and manage
Community Engagement	Limited to word-of-mouth or in-person interactions	Online reviews, ratings, and comments foster community
Scalability	Limited to small-scale use	Highly scalable for large user bases
Real-Time Updates	Not possible	Real-time updates for movie information and user content

2. Aims and Objectives

2.1 Aims

To build a simple, engaging, and personalized movie platform for users to discover, review, and share their favorite movies.

2.2 Objectives

- To create an intuitive and responsive user interface that enhances the user experience.
- To implement a recommendation system that suggests movies based on user preferences and viewing history.
- To allow users to share their opinions through reviews and ratings, fostering a sense of community.
- Providing a Movie Streaming Experience.
- Planning User Authentication and Personalized Experience.
- Creating a Responsive UI.

3. Scope of the project

- Users can create accounts, log in, and manage their profiles.
- Users can browse movies by genre, release date, popularity, and search for specific movies by title, actor, or director.
- Detailed information about each movie, including synopsis, cast, crew, trailers, and user reviews.
- Users can write reviews and rate movies.
- The application will suggest movies based on user preferences and viewing history.
- Users can create and manage a list of movies they want to watch.
- An admin interface to manage movies, user accounts, and reviews.

4.Techniques and Technologies

- Hardware Requirements

  Windows 11

  Processer- Intel Dual core or above

  Processer Speed – 1.0GHz or above

  RAM – 1GB RAM or above

  Hard Disk Space – 40GB above

- Software Requirements

  Frontend - React

  Backend - Node.js

  database design -MongoDB

5. Project Plan

TASKS	MONTH 1	MONTH 2	MONTH 3	MONTH 4
Select Project & Tittle	▬			
User Requirments	▬			
Planning		▬		
System Designing		▬		
Developing		▬		
Testing			▬	
User Documentation			▬	
Implemtaion			▬	
Submit Final Project				▬