

ESTG Movies Social Network

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Evaluation project

Develop a social networking platform centered around movies using .NET MVC, allowing users to connect, discuss, and share their favorite movies and reviews.

Unidade Curricular: Programação para a Web

Curso: CTeSP - Desenvolvimento para a Web e Dispositivos Móveis

Escola Superior de Tecnologias e Gestão de Portalegre



The ESTG Movie Social Network project is a dynamic and immersive endeavor designed to create a platform where cinephiles converge, connect, and engage in vibrant discussions about their favorite movies. Built on the .NET MVC framework, this project aims to offer users a comprehensive movie-centric experience, allowing them to explore, review, and interact within a dedicated community. The platform integrates seamlessly with a movie database API, enabling users to access a vast array of movie information, from synopses to trailers, fostering an environment where users can discover and discuss films across genres and eras.

At the core of this Movie Social Network lies its user-centric design, emphasizing personalized experiences and social connectivity. Users can curate their movie lists, ranging from beloved classics to the latest blockbusters, fostering a sense of individuality in their movie preferences. The platform encourages meaningful interactions through discussion forums dedicated to specific movies or genres, where users can engage in lively debates, share insights, and offer critiques. Additionally, the platform incorporates a robust recommendation system, leveraging user preferences and interactions to suggest tailored movie selections, enhancing the overall user experience.

From the technical standpoint, the project employs the MVC architecture to ensure scalability, maintainability, and a seamless user interface. The integration of a relational database facilitates efficient storage and retrieval of user profiles, reviews, ratings, and discussions, while RESTful APIs enable smooth communication between the frontend and backend systems.

The ESTG Movie Social Network project embodies the convergence of technological innovation and cinematic passion, offering an immersive space where movie enthusiasts can unite, explore, and celebrate their love for the art of cinema.

Functional Requirements

User Authentication and Authorization

User registration and login functionality.

Differentiate between user roles (e.g., admin, regular user).

Movie Database Integration

Integrate a movie database/API (TMDb) to fetch movie information, including titles, posters, release dates, genres, etc.

Allow users to search and browse movies from the database.

Profile and Movie Lists

Users can create and manage their profiles.

Enable users to create lists (e.g., favorites, watchlist) to organize and save movies.

Movie Reviews and Ratings

Users can rate and review movies.

Implement a rating system (e.g., star ratings) for movies.

Display aggregated ratings and reviews for each movie.

User Interactions

Implement a news feed showing updates from users, such as reviewed movies, comments, etc.

Technical Requirements

.NET MVC Framework

Utilize .NET MVC for server-side development.

Implement Model-View-Controller architecture.

Database Integration

Use a SQL Server database to store user data, movie details, reviews, comments, etc.

Design an appropriate database schema for storing movie-related information.

Frontend Development

Use HTML, CSS, JavaScript for frontend UI/UX.

Utilize Razor syntax and ASP.NET MVC views for rendering.

Integration with External APIs

Utilize The Movie Database APIs to fetch additional movie-related data, such as trailers, cast details, or related news.

Reference: <https://www.themoviedb.org/>

Evaluation

Deliverables

Complete source code.

Database schema.

Presentation or demo showcasing the functionalities and features.

Evaluation Criteria

Completeness and correctness of movie-related functionalities.

Code quality, adherence to best practices, and use of MVC principles.

User interface design, intuitiveness, and user experience.

Project Presentation/discussion.