**Title: Cinemax**

**Project Description:**

This project proposes the development of a web-based video streaming platform, Cinemax, similar to Netflix. The platform will offer a vast library of movies, TV shows, and documentaries that users can access on-demand through a subscription model. Cinemax aims to provide a seamless and high-quality streaming experience, catering to the diverse preferences of its users.

**Purpose:**

The primary purpose of this project is to create a user-friendly and comprehensive video streaming platform that caters to the growing demand for online entertainment. The platform will provide users with a convenient and legal way to access a diverse range of content, offering a robust alternative to traditional cable television and satellite providers.

**Target Customers:**

The target audience for Cinemax encompasses a broad spectrum of internet users in Pakistan, particularly those who:

* Regularly consume online video content.
* Seek an alternative to traditional cable television or satellite providers.
* Appreciate high-quality streaming experiences.
* Value the convenience of on-demand content access.

**Features:**

* Content Library:

A comprehensive collection of licensed movies, TV shows, and documentaries across various genres.

* User Accounts and Profiles:

Secure user account creation with login functionality.

Personalized profiles for managing watchlists, viewing history, and preferences.

* Multiple Streaming Options:

Seamless playback across multiple devices (e.g., laptops, smartphones, tablets, smart TVs).

* Personal Watchlist:

Enables users to customize their viewing by adding or removing movies and TV shows to their personal watchlist.

* Admin Panel:

A powerful backend interface allows content administrators to smoothly add new content (Create), inspect existing content details (Read), modify content information (Update), and eliminate content from the platform (Delete).

* Liking a Movie: Users can like movies, helping to personalize their recommendations.
* Searching: Robust search functionality to find content quickly.
* Sorting by Genre: Sort content based on genre, popularity, release date, etc.
* Popular and New Movies: Highlight popular and newly added content for easy discovery.

**Technologies Used:**

* Backend:

MVC Architecture: Ensures a clean separation of concerns and a scalable codebase.

.NET Core: Provides a robust framework for developing the web application.

Dapper: Lightweight ORM for efficient data access.

Entity Framework Core: ORM for database management.

Authentication: ASP.NET Core Identity for secure user authentication and authorization.

**Frontend:**

HTML, CSS, Bootstrap: For responsive and modern user interface design.

**Database:**

SQL Server: For storing user data, content metadata, and other application data.

**Conclusion:**

Cinemax aims to revolutionize the online entertainment experience by providing a user-friendly, comprehensive, and high-quality video streaming platform. By leveraging modern technologies and focusing on user-centric features, Cinemax will cater to the growing demand for on-demand content access, offering a robust alternative to traditional entertainment sources.