1. Introduction

This document provides a detailed overview of my project FilmNest, including its objectives, features, technologies used, architecture, and future enhancements.

2. Problem Statement

Finding movie information, ratings, and reviews across multiple sources can be inconvenient for users. This project aims to provide a centralized platform where users can search for movies, view details, and create personalized favorite lists, all while supporting a multilingual user experience.

3. Project Features

- **Movie & TV Show Search & Details**: Users can search for both movies and TV shows and view details like title, rating, description, posters, and more.

- **Watch Trailers**: Users can watch trailers for movies and TV shows directly on the website.

- **Favorites System**: Users can add, remove, and manage their favorite movies and TV shows.

- **Multilingual Support:** Users can switch between Arabic and English for a localized experience.

- **Local Storage Integration**: Saves user preferences, including selected language and favorite movies/TV shows.

- **Sorting Functionality**: Users can sort movies and TV shows based on different criteria (e.g., rating, release date, popularity).

- **Actor Page**: Users can view details about actors, including their filmography and biography.

- **Similar Movies & TV Shows Recommendation**: Displays a list of similar movies or TV shows based on what the user is viewing.

-**User Authentication (Firebase)**: Users can sign up, log in, and manage their accounts securely using Firebase.

- **Responsive Design**: Ensures a smooth experience on different devices (mobile, tablet, desktop).

4. Technologies Used

- **Frontend**: HTML, CSS, JavaScript

- **Backend**: Firebase (for authentication and real-time database, if applicable)

**- API Integration**: The Movie Database (TMDb) API for fetching movie details

**- Local Storage**: Used to persist user settings and favorite lists

5. Conclusion

This project successfully delivers a feature-rich movie website with a focus on user experience, personalization, and accessibility. Future improvements will further enhance its functionality and engagement for users.