Software Requirements Specification (SRS) Document

"Influx"

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1. Introduction

1.1 Purpose

The purpose of this Software Requirements Specification (SRS) document is to outline the requirements for the development of "Influx," a web-based Over-The-Top (OTT) entertainment platform. Influx will offer users a rich catalogue of movies and TV shows, along with a personalised recommendation system.

1.2 Scope

Influx will provide a user-friendly interface for streaming entertainment content, including movies and TV shows. The application will prioritise user engagement through a personalised recommendation system based on individual viewing preferences.

2. Functional Requirements

2.1 Product Perspective

Influx will operate as an independent web application, interacting with users through standard web browsers. It will connect to a backend server for content management, user authentication, and recommendation generation.

2.2 Product Features and Functionality

Content Catalogue:
- Display a diverse library of movies and TV shows.
- Categorise content based on genres, release dates, and popularity.
- Description: Display an extensive catalogue of movies and TV shows.

User Authentication:
- Allow users to create accounts and securely log in.
- Implement token based authentication with tokens cached.

Personalised Recommendations:
- Implement a recommendation system based on user viewing history.
- Allow users to rate content to enhance recommendations.
- Description: The system suggests content based on user preferences.

Search and Filter:
- Provide a robust search functionality for users to find specific content.
- Allow users to filter content based on different criteria.

User Profile:
- Enable users to customise profiles with personal information.
- Display watch history and favourite lists, liked content.

Subscription Management:
- Implement a subscription system for premium content access.
- Allow users to manage subscription plans and billing information.
- 3 plans will be there that are Basic , Standard , Premium.

3. Non-Functional Requirements

3.1 Performance
The system should handle concurrent user connections and deliver content with minimal latency.

3.2 Security
User data, especially passwords, must be encrypted and secure. Access to premium content should be controlled based on subscription status.

3.3 Reliability
The system should be available 99% of the time, with scheduled maintenance communicated in advance.

3.4 Scalability
Influx should be designed to scale to accommodate a growing user base.

4. Other Constraints and External Interface Requirements

4.1 User Interfaces
The interface should be intuitive, responsive, and visually appealing, reflecting the brand identity of "Influx."

4.2 Hardware Interfaces
Influx should be compatible with standard devices, requiring internet connectivity for streaming.

4.3 Software Interfaces
Backend Server: Interface for content management, user authentication, and recommendation generation.

4.4 User Classes and Characteristics
Guests: Users without accounts, limited to browsing.

Registered Users: Account holders with access to personalised features.

4.5 Operating Environment

Influx will be compatible with major web browsers (Google Chrome, Mozilla Firefox, Safari) and accessible on PCs only.

Conclusion

This Software Requirements Specification outlines the features, interfaces, and requirements for the development of "Influx," ensuring the successful implementation of a robust and user-friendly OTT platform.

End of Document.