**Introduction**

**1.1 Purpose**

This project aims to create a Letterboxd-inspired platform where film enthusiasts can log movies, share reviews, rate films, and interact with a community of like-minded individuals. The platform will focus on a rich user experience, enabling discovery, discussion, and organization of movies in a social environment.

#### ****1.2 Scope****

The platform will allow users to:

* Search, log, and review films.
* Create personalized watchlists.
* Interact socially with other users through following and commenting.
* Discover films through curated lists and personalized recommendations.

#### ****1.3 Intended Audience****

* **Film Enthusiasts:** Individuals who love to watch, review, and discuss films.
* **Developers and Designers:** Responsible for building and maintaining the platform's features and user experience.

**2. Functional Requirements**

**2.1 User Authentication**

* **Sign-up/Login:** Email and password authentication.
* **Social Media Login:** Google or Facebook integration.
* **Password Recovery:** Enable users to reset forgotten passwords.

**2.2 Film Search and Discovery**

* Search for movies by:
  + Title
  + Genre
  + Release Year
  + Language

**2.3 Movie Logging**

* Log movies as:
  + Watched
  + Want-to-Watch
* Add custom tags to organize films.

**2.4 Review and Rating**

* Users can:
  + Write and edit reviews for logged movies.
  + Rate movies using a 5-star system.
  + Comment on reviews by other users.

**2.5 Watchlists and Lists**

* Create and manage personalized watchlists.
* Add movies to themed lists (e.g., "Top 10 Thrillers").
* Share lists with other users.

**2.6 Social Features**

* Follow/unfollow other users.
* View activity feeds showing reviews, ratings, and watchlist additions.
* Enable private and public profiles.

**2.7 Recommendations and Curation**

* Generate recommendations based on:
  + User's logged films and ratings.
  + Trending movies within the community.
* Highlight curated lists (e.g., "Best of 2024," "Hidden Gems").

**2.8 Notifications**

* Notify users of new followers, comments, or film suggestions.

**3. Non-Functional Requirements**

**3.1 Performance**

* Ensure quick load times, particularly for search and discovery pages.
* Optimize database queries for scalability.

**3.2 Usability**

* Focus on clean and intuitive UI/UX.
* Ensure a consistent experience across devices (responsive design).

**3.3 Security**

* Use HTTPS for secure communication.
* Hash passwords and use OAuth for social logins.

**3.4 Reliability**

* Ensure minimal downtime with robust hosting solutions.
* Backup data regularly to prevent loss.

**4. Risks**

* Over-reliance on third-party APIs like TMDb for data.
* Balancing performance and rich features in the UI/UX.

**5. Deliverables**

* Functional platform deployed on cloud hosting
* API documentation and user guides.
* Unit and integration tests for critical features.

**6. Basic Design Guidelines Front-End**:

1. Use **Next.js** for dynamic and SEO-friendly pages.
2. Design UI/UX with **Figma** for appealing and user-friendly interfaces.

* **Back-End**:
  1. Use **Flask** to handle server-side logic and API requests.
* **APIs**:
  1. Integrate **TMDb API** for movie details.
  2. Build a **RESTful API** with Flask for front-end and back-end communication.
* **Wireframes**:
  1. Create layouts with **Moqups** or **Figma** for a clear structure.
* **Mobile-Friendly**:
  1. Ensure responsive design for all screen sizes.

### ****Conclusion****

This project will deliver a feature-rich, community-driven platform for film enthusiasts inspired by Letterboxd. By focusing on usability, scalability, and engagement, the platform aims to foster a vibrant community for movie discovery and discussion.