

SRS Documentation

Letterboxd

-Amfoss curriculum

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1. Introduction

1.1 Purpose

This System Requirement Specification (SRS) outlines and refines the required capabilities of the Letterboxd system. Intended for developers and system owners, it defines the system's primary purpose, required features, and additional functionalities.

1.2 Scope

Letterboxd is a social networking platform for film enthusiasts to discover, rate, and review films while engaging with a like-minded community. Users can create watchlists, log watched films, write reviews, explore curated lists, and follow others to view their activity.

The platform aims to revolutionize the movie streaming industry with its adaptability, functionality, and unique features, such as custom conversations for each movie, making watching interactive. With a smooth, intuitive, and user-friendly interface, Letterboxd addresses a gap in the market by offering these features, positioning itself as a future leader in the industry. Additionally, it provides personalized movie recommendations based on user preferences and past activities.

2.Overview

2.1 Features

- 1. User Authentication:** Sign-up, sign-in, and social media login.
- 2. Search Functionality:** Search for tasks (or your chosen subject) by title, genre, date, etc.
- 3. Task/Item Addition:** Users can add new tasks or items (like new movies) with details like description, images, and categories.
- 4. Review and Rating System:** Users can write reviews, rate tasks, and edit or delete their reviews. Remember, other users can review the tasks/items/movies you have created, just like you can rate the ones they have created.
- 5. Watchlist/Task List:** Users can create and manage lists of tasks to complete or review later.
- 6. Social Features:** Follow other users, view their activity, and comment on their reviews.
- 7. Recommendations:** Suggest similar tasks based on user preferences or genre.
- 8. Curated Lists:** Featured lists curated by the website or users highlighting specific themes or categories.

2.2 System Requirements

High-resolution movies may require a faster internet connection and higher processing power for optimal streaming. The requirements are:

- **Latest version of Google Chrome, Firefox, or Safari**
- **Operating System: Windows 7+, Mac OS X 10.7+, or Ubuntu 10+**
- **Internet connection with a speed of 1 Mbps or higher**

2.3 Development Cycle

Frontend: The user-facing interface, including layout, design, and forms, will be built using Next.js.

Backend: The server-side code, managing data and processing, will use Flask and REST APIs.

Platforms:

- **OS: Linux x86_64**
- **Editor: VS Code**
- **Database: MongoDB**

2.5 Constraints

- **Licensing:** Legal aspects of video creation and distribution must be addressed through licensing agreements or exclusive rights.
- **Security:** The website must safeguard against cyber-attacks to protect functionality and user privacy.