# Requirements Gathering Document

## 1. Stakeholder Analysis

Identifying key stakeholders and their needs:

- End Users: Want an intuitive interface, personalized recommendations, and an efficient movie discovery process.

- Developers: Need clear technical requirements, API access, and scalable architecture.

- Project Owner: Seeks a cost-effective solution with high engagement.

- Content Providers (APIs): Ensure reliable data and compliance with usage limits.

## 2. User Stories & Use Cases

### User Stories

1. As a movie enthusiast, I want to receive movie recommendations based on my preferences so that I can find suitable content easily.
2. As a casual viewer, I want to filter movies by genre, rating, and release year so that I can quickly find something to watch.
3. As a user, I want to provide feedback on recommendations so that the system can improve future suggestions.
4. As a user, I want a mobile-friendly experience so that I can browse on different devices.

### **Use Cases**

1. User Registration/Login: Users create accounts or log in to save preferences.
2. Movie Search & Filtering: Users search for movies and apply filters.
3. User Feedback: Users rate recommendations to refine suggestions.
4. Responsive Design: Users access the site from desktop, tablet, and mobile.

## 3. Functional Requirements

1. User authentication (optional for preference storage)
2. Personalized movie recommendations
3. Search and filter functionality
4. API integration for real-time movie data
5. User feedback collection system
6. Mobile responsiveness
7. Multi-platform support
8. Watchlist feature (if feasible within budget constraints)

## 4. Non-functional Requirements

1. Performance: Load pages within 3 seconds.
2. Security: Protect user data and API keys.
3. Usability: Simple and intuitive UI/UX.
4. Reliability: Maintain API uptime and handle potential errors.
5. Scalability: Design architecture to support future expansion.