**User Stories & Use Cases**

User stories and use cases help illustrate how different users interact with the Movie Recommendations system. Below are key user scenarios categorized by stakeholder type.

**1. End Users**

End users are individuals who interact with the system to receive personalized movie recommendations.

**User Stories:**

* **As a user,** I want to receive movie recommendations based on my watch history so that I can discover new content that matches my interests.
* **As a user,** I want to filter recommendations by genre, release year, and rating so that I can refine my search results according to my preferences.
* **As a user,** I want to create a watchlist so that I can save movies to watch later.
* **As a user,** I want to rate and review movies so that I can provide feedback and improve recommendations.

**Use Cases:**

* **Use Case 1: Viewing Recommendations**
  + Actor: End User
  + Description: The user logs into the system and receives a list of recommended movies based on their watch history.
  + Precondition: The user must be logged in.
  + Steps:
    1. The user accesses the recommendations page.
    2. The system retrieves personalized movie recommendations.
    3. The user views and interacts with the recommended movies.
  + Postcondition: The user explores the recommendations and may choose to watch or save movies.
* **Use Case 2: Filtering Movies**
  + Actor: End User
  + Description: The user applies filters to refine their movie recommendations.
  + Precondition: The user has accessed the recommendations page.
  + Steps:
    1. The user selects filter criteria (e.g., genre, year, rating).
    2. The system updates the recommendation list based on the selected filters.
    3. The user views the refined list and selects a movie.
  + Postcondition: The user finds movies that better match their preferences.

**2. Administrators**

Administrators manage the platform and ensure that movie data is accurate and up to date.

**User Stories:**

* **As an administrator,** I want to update the movie database so that users receive accurate recommendations.
* **As an administrator,** I want to monitor system performance so that I can ensure smooth operation.
* **As an administrator,** I want to remove inappropriate content so that the platform maintains quality standards.

**Use Cases:**

* **Use Case 1: Updating Movie Database**
  + Actor: Administrator
  + Description: The administrator updates movie entries to ensure accurate information.
  + Precondition: The administrator has access to the admin panel.
  + Steps:
    1. The administrator logs into the admin dashboard.
    2. The administrator searches for the movie entry to update.
    3. The administrator edits the necessary details and saves the changes.
  + Postcondition: The movie database remains up-to-date.

**3. Developers**

Developers work on improving the system's functionality and ensuring scalability.

**User Stories:**

* **As a developer,** I want to analyze user feedback so that I can improve the recommendation algorithm.
* **As a developer,** I want to monitor system logs so that I can identify and fix issues quickly.
* **As a developer,** I want to implement new features so that the platform remains competitive.

**Use Cases:**

* **Use Case 1: Debugging System Issues**
  + Actor: Developer
  + Description: The developer analyzes error logs and fixes issues in the system.
  + Precondition: A system error has been reported.
  + Steps:
    1. The developer accesses system logs.
    2. The developer identifies the issue and applies a fix.
    3. The developer tests the system to ensure the issue is resolved.
  + Postcondition: The system operates smoothly without errors.

**Conclusion**

User stories and use cases provide a structured approach to understanding user interactions with the system. By addressing these scenarios, the Movie Recommendations system ensures a seamless and efficient user experience.