**Stakeholder Analysis**

**Introduction**

Stakeholder analysis identifies the key individuals or groups involved in the Movie Recommendation App project and their specific needs. Understanding stakeholder expectations ensures a successful and user-centric product.

**Key Stakeholders and Their Needs**

**1. Users (Movie Enthusiasts & General Audience)**

* **Needs:**
  + Easy-to-use interface for browsing movies.
  + Accurate recommendations based on genres, ratings, and user preferences.
  + Fast and responsive search and filter features.
  + Mobile-friendly experience with seamless navigation.
  + Reliable and up-to-date movie information.

**2. Developers (Frontend Team)**

* **Needs:**
  + Clear project requirements and documentation.
  + Well-structured API for seamless data integration.
  + Efficient state management for optimized performance.
  + Version control and collaborative tools (GitHub, Trello, Jira).
  + Testing tools for debugging and performance optimization.

**3. Project Manager / Supervisor**

* **Needs:**
  + Regular progress updates and milestone tracking.
  + Detailed project documentation for evaluation.
  + Quality assurance through testing and reviews.
  + Ensuring adherence to deadlines and scope management.

**4. API Providers (The Movie Database API - TMDb)**

* **Needs:**
  + Proper API usage and adherence to rate limits.
  + Secure API key management.
  + Efficient data fetching to reduce server load.
  + Compliance with API terms and conditions.

**5. University / Evaluation Committee**

* **Needs:**
  + Comprehensive documentation and well-structured reports.
  + A functional and user-friendly application for demonstration.
  + Clear demonstration of problem-solving and technical skills.
  + Well-defined testing results and project scalability.

**Conclusion**

Understanding the needs of each stakeholder ensures that the project meets expectations efficiently. Proper communication and alignment with stakeholders will contribute to the project's success.