



Scrum Master

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INSTHELPER

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ABSTRACT

**Abstract**: The Online Movie Ticketing System is a comprehensive web-based application designed to simplify the process of booking movie tickets. This system aims to enhance the movie-going experience by providing a convenient and user-friendly platform for users to browse, select, and book tickets for movies at their preferred theaters. The system is built using modern web technologies and ensures a seamless integration between users and cinema operators.

**User Side Functionalities**:

1. User Registration and Login:
2. Profile Management:
3. Browse Movies:
4. Movie Details
5. Showtimes and Theaters:
6. Seat Selection:
7. Booking and Payment:
8. Order Confirmation:
9. Booking History:
10. Reviews and Ratings:

**Admin Side Functionalities**:

1. Admin Login:
2. Movie Management:
3. Showtime Management:
4. Theater Management:
5. Booking Management:
6. User Management:
7. Reports and Analytics:
8. Notifications:
9. Technology Stack:

* **Backend**: Python with Django framework
* **Frontend**: HTML, CSS, JavaScript, Bootstrap for responsiveness

**Main Project**

**Functionalities**

**1. Advanced Personalization and Recommendations**

* AI-Driven Recommendations:
* Dynamic Seat Recommendations:

**2. Integrated Food and Beverage Ordering**

* In-Seat Service:
* Pre-Booking for Concessions:

**3. Predictive Analytics for Movie Preferences**

* Mood-Based Recommendations:
* Context-Aware Recommendations:

Technologies in machine learning can be implemented as

**1. Personalized Movie Recommendations**

Collaborative Filtering:

* User-Based Collaborative Filtering:
* Item-Based Collaborative Filtering:

Content-Based Filtering:

**2. Customer Sentiment Analysis**

Sentiment Analysis:

**3. Chatbots for Customer Support**

**Natural Language Processing (NLP)**:

* Implement chatbots to assist customers with booking tickets, answering queries, and providing recommendations.
* **Technology**: Rasa, Dialog flow, Microsoft Bot Framework.