

Movie Ticket Booking System

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Problem Statement:

The aim is to address the inefficiencies and inconvenience in the current movie ticket booking process, providing a user-friendly online platform for streamlined booking, comprehensive movie information, and efficient reservation management. Simultaneously, the goal is to offer cinema administrators a centralized system for effective movie listing management, booking monitoring, and transaction oversight, thereby enhancing the overall user and administrative experience.

Requirements/Features:

1. User authentication and authorization
2. Movie listing and details display
3. Booking management
4. Payment processing
5. Admin management interface

Technologies:

- Language: JavaScript
- Framework: Node.js with Express
- Database: MongoDB
- Payment Integration: Stripe API/PayPal API

APIs to be Developed:

1. User Authentication API
2. Movie Management API
3. Booking Management API
4. Payment Processing API

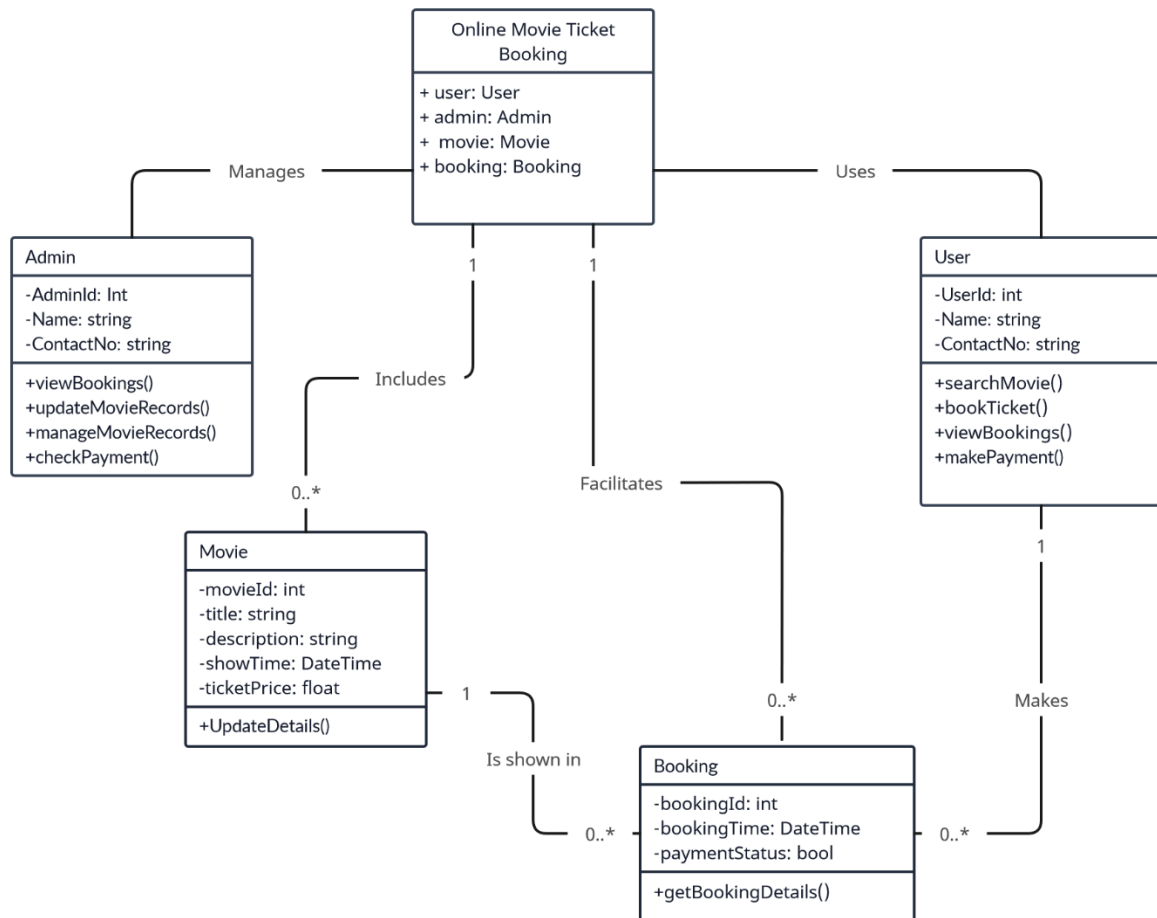
Modules:

1. User Management Module
2. Movie Management Module
3. Booking Management Module
4. Payment Management Module

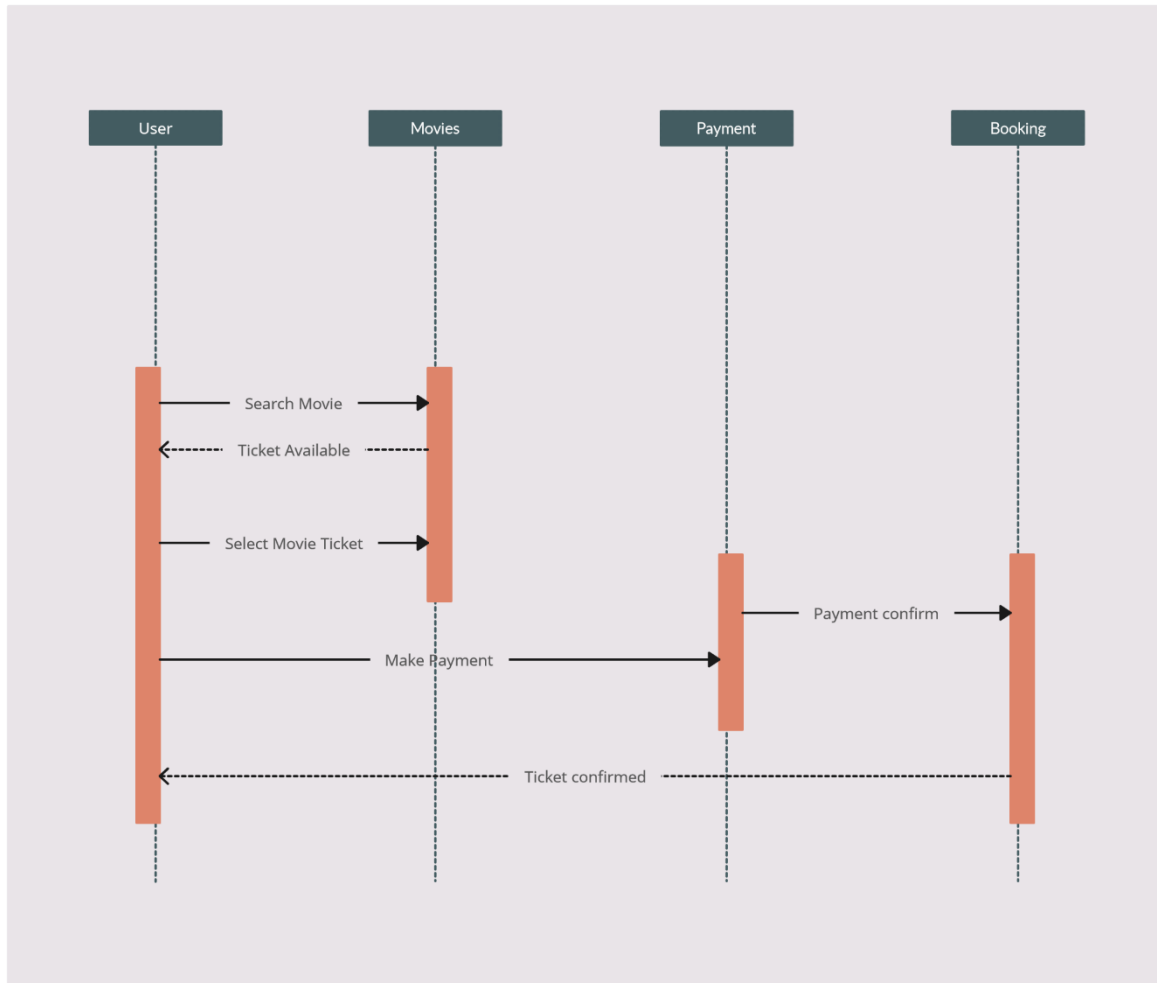
Use Case Diagram:



Class Diagram:



Sequence Diagram:



Future Scope:

- Implementing advanced user authentication methods
- Integrating additional payment gateways
- Enhancing the UI/UX for better user experience
- Adding support for multiple languages