

Project Abstract

(Movie Management System)

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Mini Project Abstract

The traditional approach to movie booking has evolved over time due to technological advancements. The Online Movie Management System is a comprehensive solution designed to revolutionize the movie-going experience. This project leverages the power of the MERN (MongoDB, Express.js, React.js, Node.js) stack.

Online Movie Management System, a comprehensive platform that revolutionizes the way you experience movies. Our project comprises three integral modules that seamlessly work together to provide you with an exceptional cinematic journey. The Admin module empowers administrators to oversee user registrations, approve new theaters, and gain insights into user interactions and bookings. The Theater module allows theaters to effortlessly add screens, design seat layouts, procure streaming movies, establish showtimes, and efficiently manage bookings. Users can explore detailed movie information, access theater details including screen configurations, and conveniently make bookings, even saving their favorite movies for future reference. With these interconnected modules, our system redefines movie-going by offering a streamlined, user-centric, and technologically advanced solution for all your cinema-related needs.

Mini Project Modules:

1.Admin:

- View registered users.
- Approve or Reject new theaters.
- Access statistics and analytics related to user activities and bookings.

2.Theater:

- Add screens and design seat Orientations for booking
- Purchase movies for Streaming.
- Add and manage Screens ,Show Time.
- Handle bookings.

3.User:

- View detailed movie information.
- View theaters and their screen configurations
- Make Booking.
- Ticket Generation.
- Save favorite movies for future reference.

Main Project Abstract

On extending the project Online Movie Management System, introduce innovative features that redefine our cinematic experience. Seamlessly integrating with the TMDB API, our platform ensures you're always in the know with real-time updates on movie releases, ratings, and more, enriching your movie selection journey. Embark on a new era of entertainment with our Online Streaming feature, granting you the power to access a plethora of movies and shows at your fingertips. But that's not all – we've expanded our horizons to showcase the creativity of filmmakers with the introduction of Short Films publication and make available for online streaming. Additionally, our system evolves into an event hub, allowing users to book custom events effortlessly. Event organizers can revel in our seamless booking management system, making every event an unforgettable experience. With these remarkable enhancements, the Online Movie Management System transcends its previous boundaries, shaping a new dimension where entertainment, innovation, and community converge.

Main Project Modules

1. Real-Time Data Integration with TMDB API:

- Integrate with The Movie Database (TMDB) API for up-to-date movie information.
- Display real-time data on movie releases, ratings, and more.

2. Online Streaming of Videos:

- Implement a feature to stream movies and shows online.
- Allow users to access their selected content on demand.

3. Publish Short film:

- Publish short films.
- Online Streaming of Short Film
- Chatbot assistance
- SMS gateway

4. Host Custom Events:

- Enable users to make bookings for custom events.
- Provide a booking management system for event organizers
- Ticket Generation

Machine learning Integration

- Movie Recommendation
- Box office Prediction

The main research results of this project include the successful implementation of an integrated Online Movie Management System. Users can effortlessly browse through movie listings, book tickets for shows, and stream videos seamlessly within a unified platform. The real-time database integration ensures that movie listings, showtimes, and user preferences are always up-to-date. The use of the MERN stack facilitates responsive design, efficient data handling, and an intuitive user experience. Through this system, the entertainment industry can adapt to the digital age and offer a more convenient and enjoyable movie-watching journey for audiences and filmmakers alike.