Ticket Flix

Here is where your presentation begins

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DIRECTOR
ROLL SCENE CUT
MOVIE

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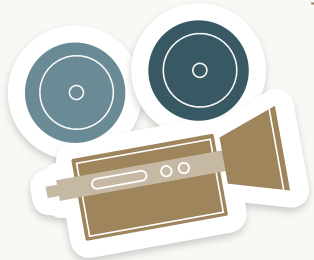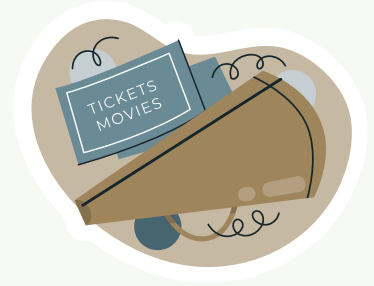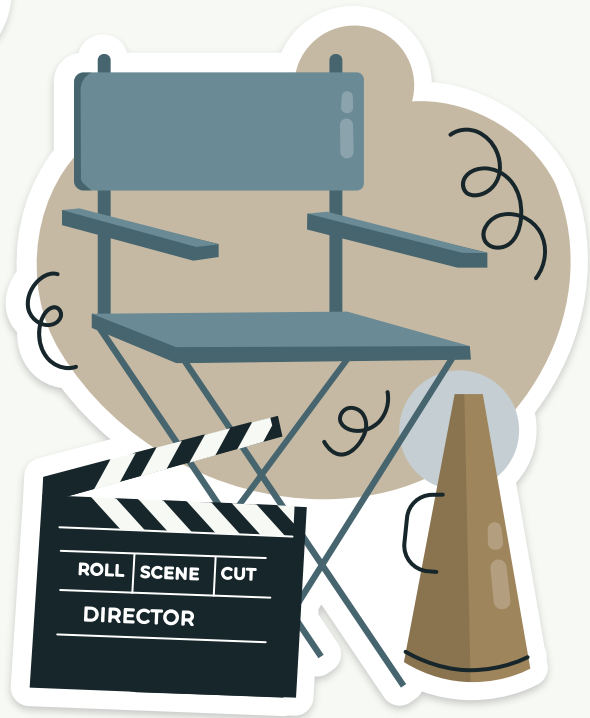
01
Overview

Abstract

- The Online Movie Ticketing System is an advanced, user-focused web application designed to streamline the process of booking movie tickets while enhancing the overall movie-going experience.
- Featuring user-friendly functionalities, the system allows users to register, manage profiles, browse movies, view detailed showtimes and theaters, select seats, and confirm bookings securely.
- Integrated payment systems and an organized booking history ensure convenience, while features like reviews and ratings enable community interaction.
- On the admin side, cinema operators gain powerful tools for managing movies, showtimes, theaters, bookings, users, and insightful analytics, all facilitated by a comprehensive Django-based backend and a responsive HTML, CSS, and JavaScript frontend.
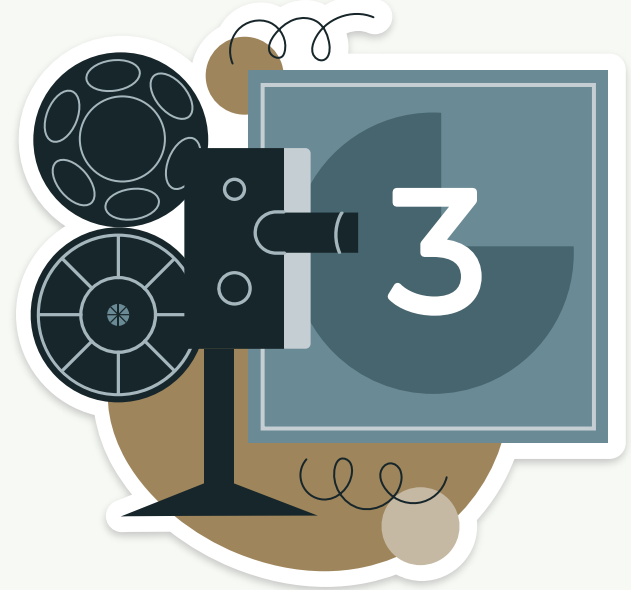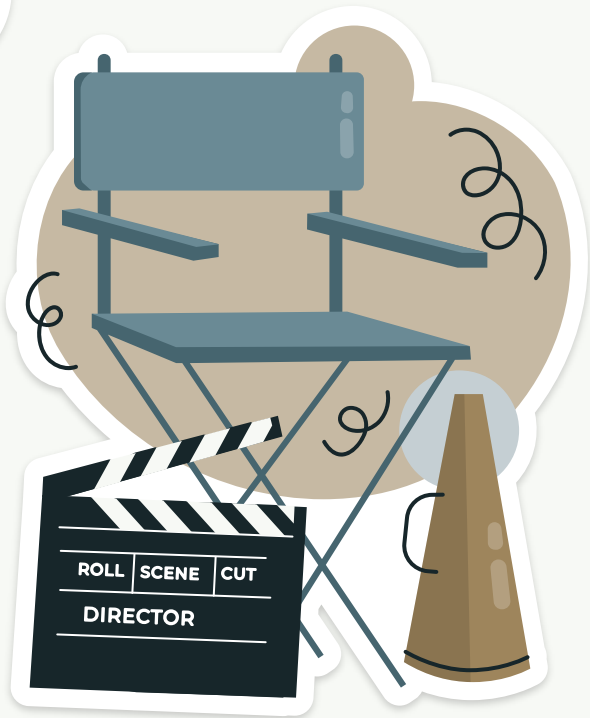
02

Users
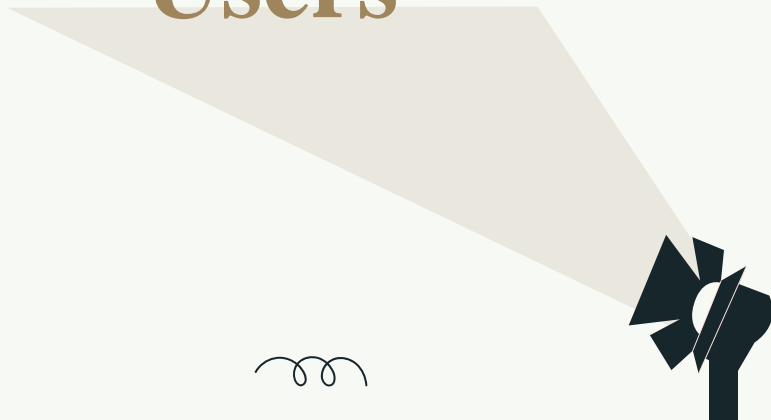
Three **Users**

Admin

- The **admin** functionality includes comprehensive tools for managing movies, showtimes, theaters, bookings, users, and accessing reports and analytics to streamline operations.
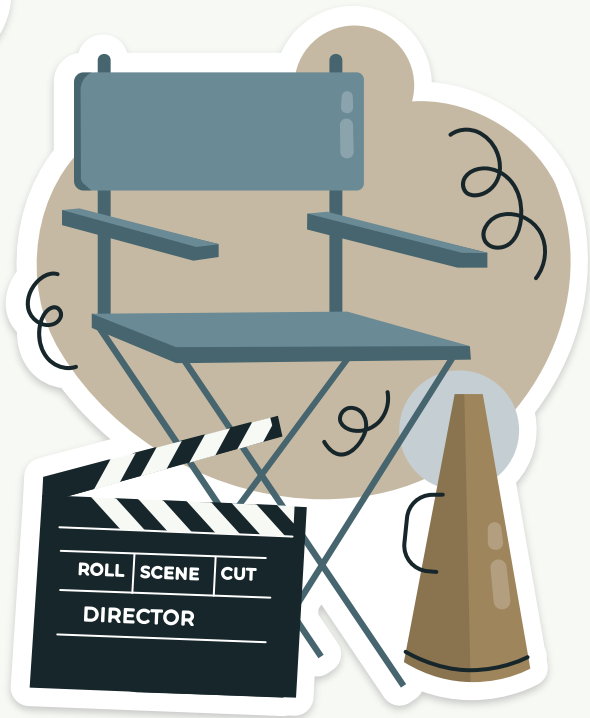
Theatre Owner

- The **theatre owner** functionality allows management of specific theater details, showtimes, and seating arrangements,

User

- The **user** functionality offers an intuitive platform for browsing movies, selecting seats, booking tickets, and managing booking history with added conveniences like personalized recommendations and reviews.

03

Modules

Admin

- **Admin Login**: Secure login portal for admins.
- **Movie Management**: Add, edit, delete, and categorize movies in the system.
- **Showtime Management**: Schedule, modify, and manage showtimes for all listed movies.
- **Theater Management**: Oversee theater details, seating capacities, and configurations.
- **Booking Management**: Monitor, review, and manage all user bookings and cancellations.
- **User Management**: View and manage registered users, including role assignment and permissions.
- **Reports and Analytics**: Access insights on user activity, booking trends, revenue, and movie popularity.
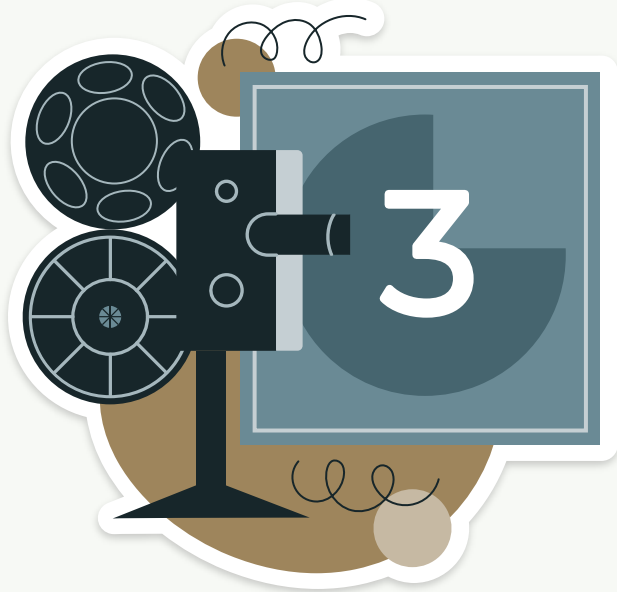
Admin

•**Notifications**: Send updates and alerts regarding new releases, booking confirmations, and system notifications.

•**Review and Rating Management**: Moderate user reviews and ratings for movies.

•**Revenue Tracking**: Monitor earnings and generate financial reports based on ticket sales.
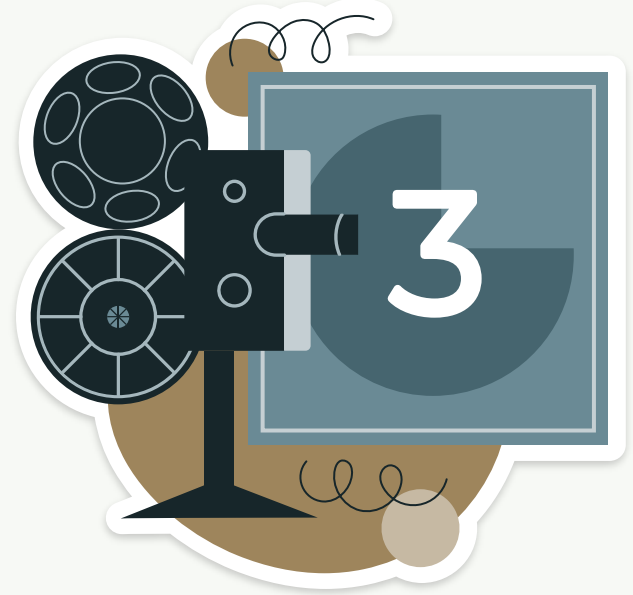
Theatre Owner

- **Theatre Owner Login**: Secure login access for theater owners.
- **Theater Profile Management**: Manage theater details, including name, location, and contact information.
- **Showtime Management**: Add, update, and manage showtimes specifically for movies playing in the owner's theater.
- **Seat Management**: Set up and manage seating layouts, including seat categories and availability.
- **Booking Overview**: View and monitor bookings made by users for movies showing at the owner's theater.
- **Revenue Tracking**: Track ticket sales and generate reports for earnings specific to the theater.
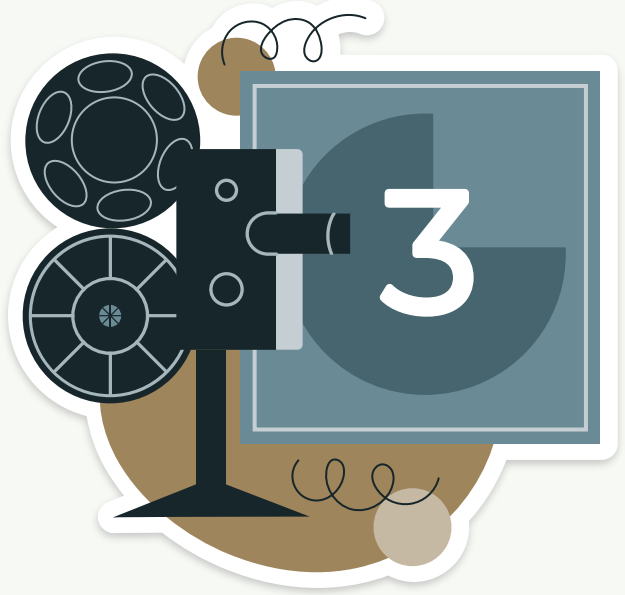
Theatre Owner

- **User Interaction Management**: Respond to user reviews, ratings, and feedback related to the theater.
- **Food and Beverage Management**: Optionally manage in-seat services, including food and beverage pre-booking options.
- **Notifications and Announcements**: Send notifications or updates about upcoming shows, special events, or changes in schedules.
- **Reports and Analytics**: Access insights into booking trends, peak showtimes, and movie popularity specific to the theater.
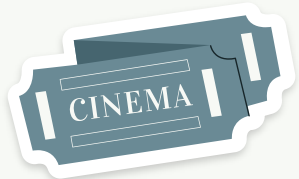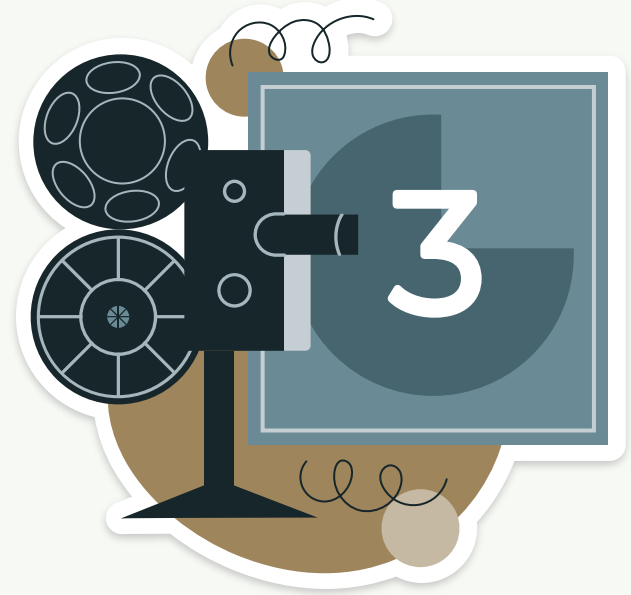
User

- **User Registration and Login**: Secure registration and login for personalized access.
- **Profile Management**: Update and manage personal information such as name, contact details, and preferences.
- **Browse Movies**: Explore a list of movies by categories, genres, and popular trends.
- **Movie Details**: View detailed information about movies, including synopsis, trailers, cast, and ratings.
- **Showtime Selection**: Choose preferred showtimes and available theaters for specific movies.
- **Seat Selection**: Select seats from an interactive seating chart with seat category options.
- **Ticket Booking and Payment**: Complete the booking process with secure online payment options.
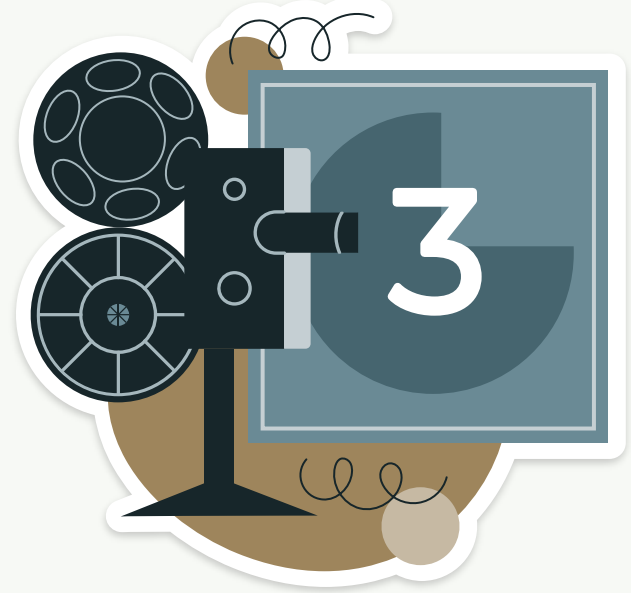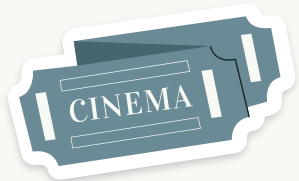
User

- **Order Confirmation**: Receive booking confirmation and ticket details post-purchase.
- **Booking History**: Access past bookings, with options to review and rebook.
- **Reviews and Ratings**: Provide feedback on movies watched, with options to rate and review.
- **Personalized Recommendations**: View AI-driven movie recommendations based on previous interactions.
- **Food and Beverage Pre-Booking**: Optionally order food and beverages for the theater experience.
- **Customer Support Chatbot**: Use an AI-powered chatbot for assistance with booking, recommendations, and queries.
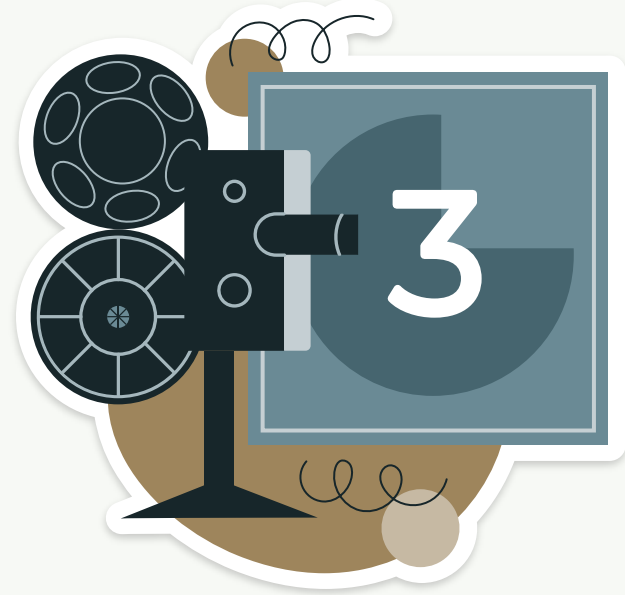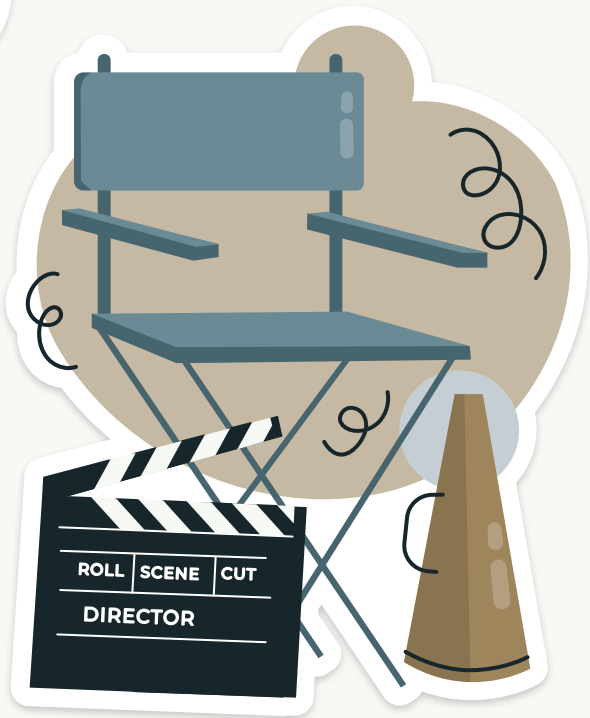
04
Project
Screen

Process

Design and Planning

Voice Feedback and Sentiment Analysis

Deployment and Maintenance

01

02

03

04

05

06

Requirements Gathering and Analysis

Backend and frontend development

Testing and Quality Assurance
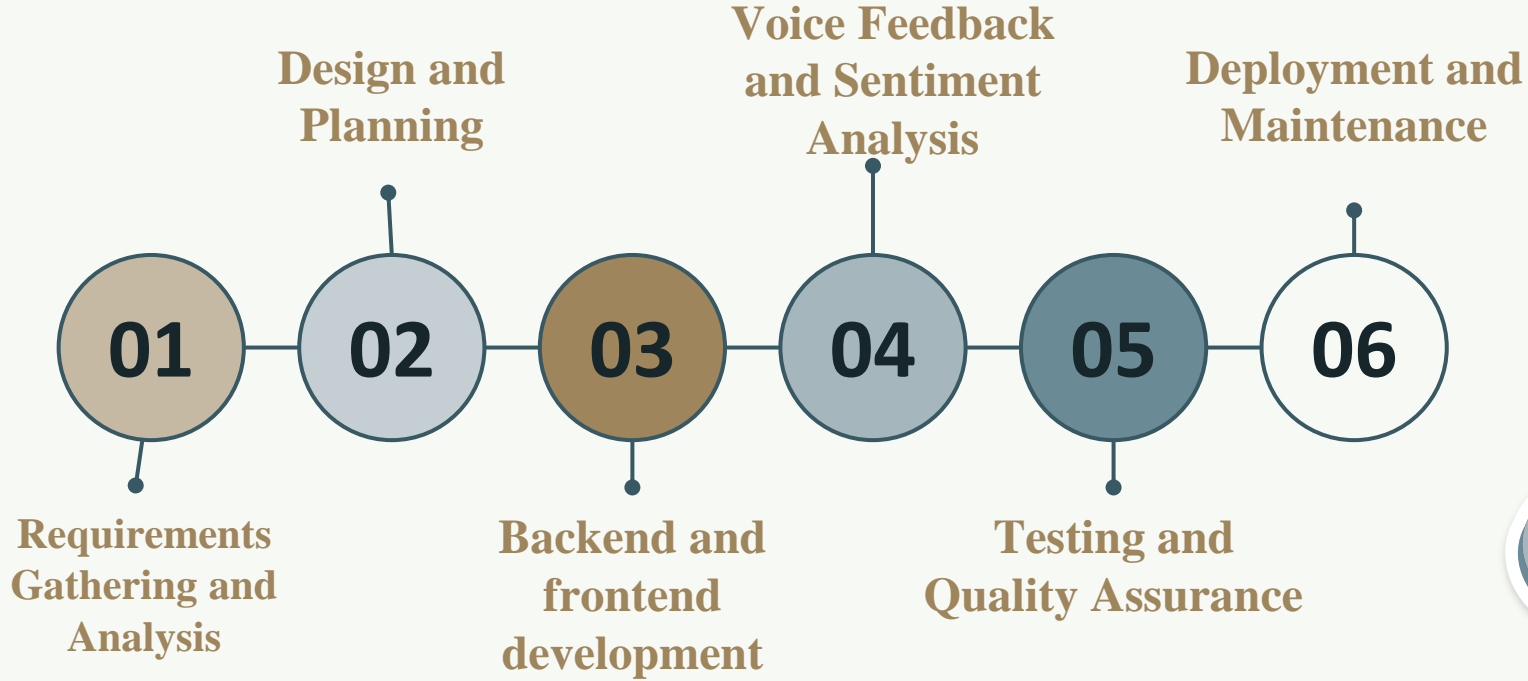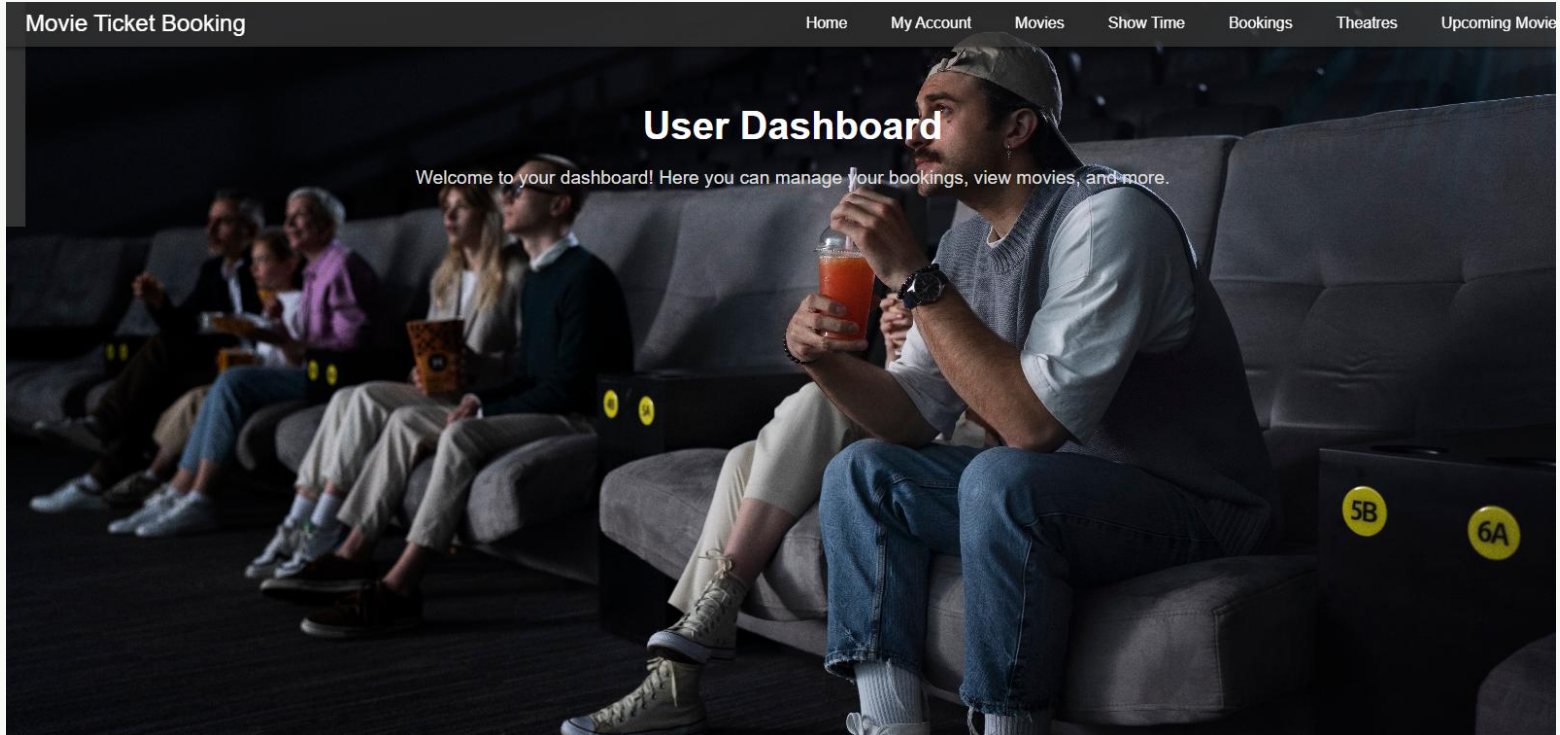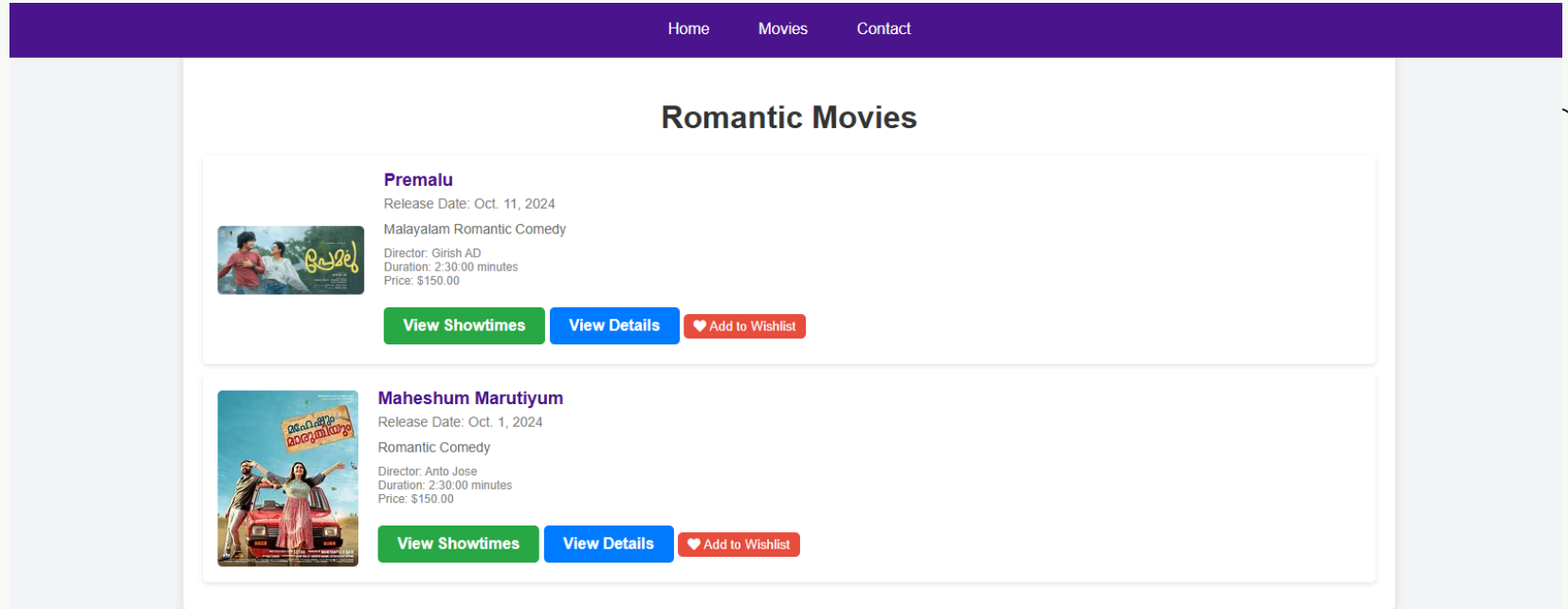
The User Dashboard is a central hub designed to provide users with an intuitive and streamlined experience while interacting with the online movie ticketing system.

Movie Ticket Booking

Home   My Account   Movies   Show Time   Bookings   Theatres   Upcoming Movie

User Dashboard

Welcome to your dashboard! Here you can manage your bookings, view movies, and more.

Categorization of Movies:
Movies are organized into distinct categories (e.g., Action, Comedy, Drama, Horror, Sci-Fi, Romance) to facilitate easy browsing.

Romantic Movies

Premalu
Release Date: Oct. 11, 2024

Malayalam Romantic Comedy

Director: Girish AD
Duration: 2:30:00 minutes
Price: $150.00

[View Showtimes] [View Details] [♥ Add to Wishlist]

Maheshum Marutiyum
Release Date: Oct. 1, 2024

Romantic Comedy

Director: Anto Jose
Duration: 2:30:00 minutes
Price: $150.00

[View Showtimes] [View Details] [♥ Add to Wishlist]

The "Add Movie" functionality is a crucial aspect of the admin module within the online movie ticketing system. It allows administrators to efficiently manage the movie database by adding new films for users to browse and book tickets.

Admin Panel

Dashboard

Manage Users

Categories

Movies

Manage Theatres

Feedback Analysis

Logout

Home   Profile   Logout

Movies

Add Movie

Serial No.	Title	Category	Release Date	Description	Poster	Director	Duration	Price	Actions
1	Premalu	Romantic	Oct. 11, 2024	Malayalam Romantic Comedy		Girish AD	2:30:00	150.00	Edit Delete
2	Maheshum Marutiyum	Romantic	Oct. 1, 2024	Romantic Comedy		Anto Jose	2:30:00	150.00	Edit Delete
3	Guruvayoor Ambalanadayil	Comedy	Sept. 26, 2024	Comedy Movie		Ganeshan	2:30:00	150.00	Edit Delete

The "View Theatre List" functionality is an essential component of the admin module in the online movie ticketing system. It allows administrators to efficiently manage and oversee the theaters associated with the movie booking platform

Theatre Owner Dashboard   Home   Notifications   Messages

Theatres List

THEATRE NAME	LOCATION	TOTAL SEATS	ACTIONS	
Bosco Theatre	Kuravilangad	192	Edit	Delete
Saritha Savitha Sangeetha Theatre	Ernakulam	176	Edit	Delete
Abhilash Theatre	Kottayam	208	Edit	Delete

The "View Showtimes" functionality is a vital feature in the online movie ticketing system that enables both admins and users to access and manage showtime information for movies across different theaters. This functionality provides transparency and helps users make informed decisions about their movie bookings.

Theatre Management

Dashboard Add Theatre Add Showtime Logout

View Showtimes

MOVIE	THEATRE	SHOWTIME	ACTIONS
Maheshum Marutiyum	Saritha Savitha Sangeetha Theatre	10:00	Edit Delete
Premalu	Bosco Theatre	10:00	Edit Delete
Guruvayoor Ambalanadayil	Abhilash Theatre	10:00	Edit Delete
Maheshum Marutiyum	Saritha Savitha Sangeetha Theatre	13:30	Edit Delete
Premalu	Bosco Theatre	13:30	Edit Delete

Voice Feedback about the experience by user

Booking Confirmation

Movie: Maheshum Marutiyum

Theatre: Saritha Savitha Sangeetha Theatre

Showtime: 10:00 AM on

Selected Seats: B-16

Total Amount: ₹150.00

Status: CONFIRMED

Payment: Success

[Back to Home] [Download Ticket as PDF]

Leave Feedback:

```
Share your experience...
```
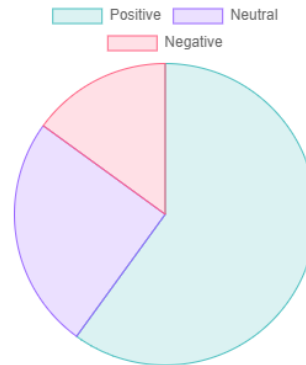
[Submit Feedback]
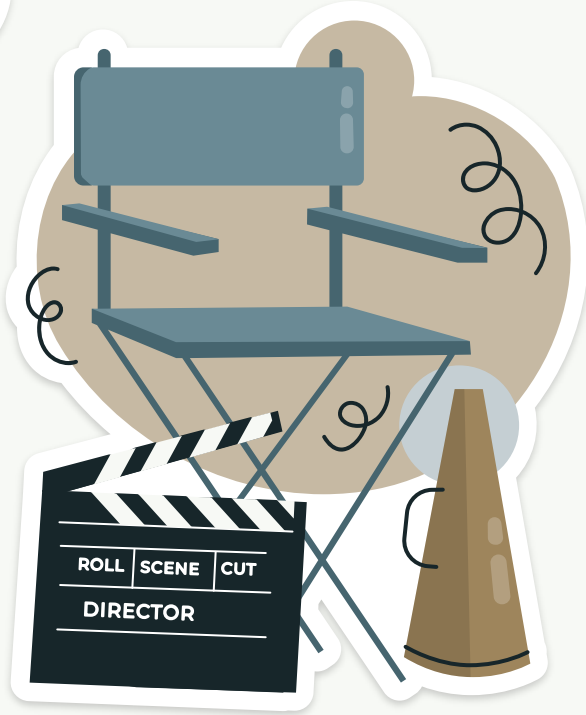
Or, Provide Voice Feedback:

[Start Recording]

Aspect based sentiment Analysis of Voice Feedback

Feedback Sentiment Analysis

Feedback	Sentiment
good	positive
theatre experience is good	positive
movie is bit boring	negative
Awesome Experience	positive

05

UML

Diagrams

Sequence Diagram

Sequence Diagram

Customer | Website | Database

Save user Details
Register
Registeration Successful | User details saved
Login Request | Check Account

Alltrnative
Valid Account
Access Account | Valid Account

Else
Registeration account | Account not valid

Search Movie
Checking Movie

Alltrnative
Valid Account
View the Movie | Movie Available

Else
Search Unavailable | Movie is unavailable

Customize Seat Selection | Save Customization
Customization saved
Display customized Seat

Add to Booking | Save Booking details
Booking details saved
Display Booking details

Checkout | Save order details

Save order details
Payment | Payment Status
Payment status updated
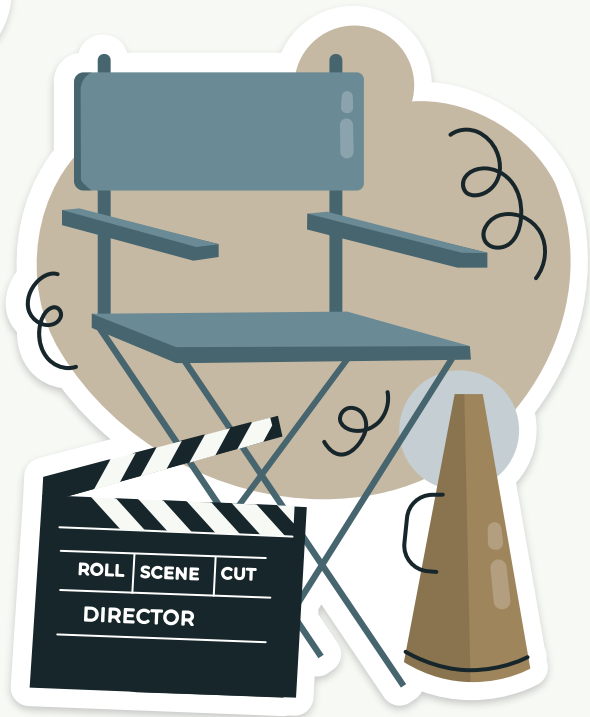Payment Successful

Actvity Diagram

06

Implementation

Aspect-Based Voice Feedback Sentiment Analysis

Purpose: The implementation of aspect-based voice feedback sentiment analysis aims to capture and analyze user sentiments about specific aspects of the movie experience (such as seating, sound quality, movie content, and theater facilities).

By enabling users to provide voice feedback, the system can interpret sentiments more intuitively, fostering a richer user experience. The insights gathered help theater owners and admins improve service quality by identifying areas that need attention, ultimately enhancing customer satisfaction and personalizing the user experience further.
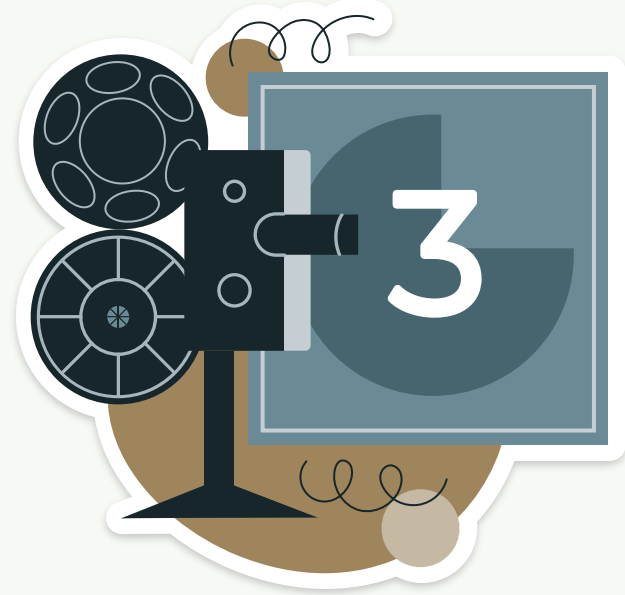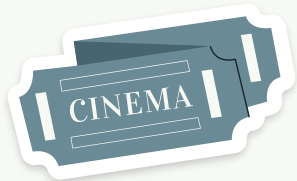
Aspect-Based Voice Feedback Sentiment Analysis

Voice Feedback Integration

•**Objective**: Capture and process user feedback via voice to enhance accessibility.
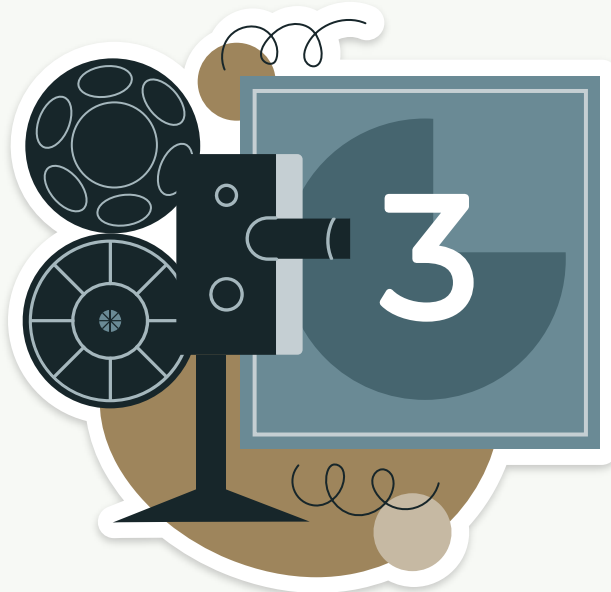
•**Steps**:

　•**Speech-to-Text**: Convert user's voice input into text using APIs like Google Speech API or Speech Recognition library in Python.

　•**Text Preprocessing**: Clean the transcribed text by removing noise (like filler words) and applying NLP techniques.

•**Tools and Technologies**:

　•Mention libraries such as Speech Recognition for capturing voice input, and NLP libraries like NLTK or spaCy for text cleaning.

•**Benefits**: Emphasize improved accessibility, real-time feedback, and reduced typing effort.

Aspect-Based Voice Feedback Sentiment Analysis
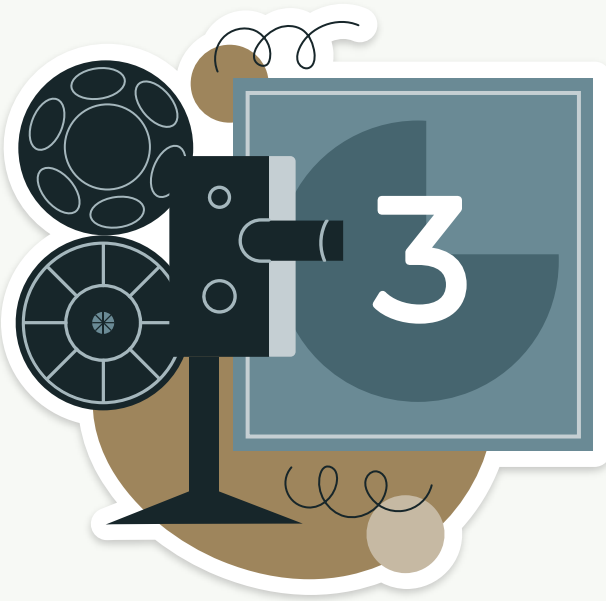
Sentiment Analysis Process

•**Objective**: Analyze feedback (voice/text) to understand user sentiment, whether positive, neutral, or negative.

•**Implementation Steps**:

    •**Text Cleaning**: After speech-to-text, remove stop words, punctuation, and perform lemmatization.

    •**Feature Extraction**: Use techniques like TF-IDF (Term Frequency-Inverse Document Frequency) or word embeddings (Word2Vec, BERT) to represent textual data numerically.

    •**Sentiment Detection**: Classify feedback as positive, negative, or neutral using sentiment analysis models.
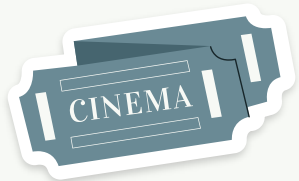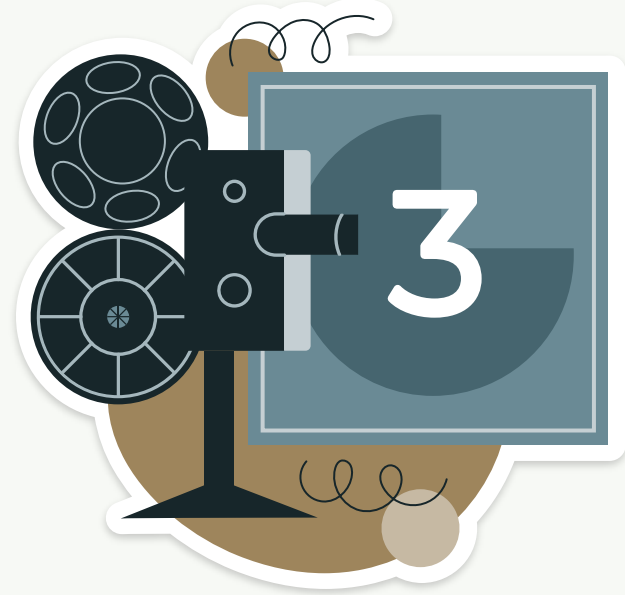
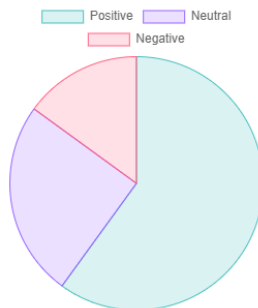# Aspect-Based Voice Feedback Sentiment Analysis

Workflow Diagram

- Include a visual diagram showing:
  - **Voice Input ➔ Speech-to-Text ➔ Text Processing ➔ Sentiment Analysis ➔ Dashboard Display**.
- This provides a clear, step-by-step representation of the implementation flow.

Aspect-Based Voice Feedback Sentiment Analysis

Feedback Sentiment Analysis

Feedback	Sentiment
good	positive
theatre experience is good	positive
movie is bit boring	negative
Awesome Experience	positive

Aspect-Based Voice Feedback Sentiment Analysis

Booking Confirmation

Movie: Maheshum Marutiyum

Theatre: Saritha Savitha Sangeetha Theatre

Showtime: 10:00 AM on

Selected Seats: B-16

Total Amount: ₹150.00

Status: CONFIRMED

Payment: Success

Back to Home   Download Ticket as PDF
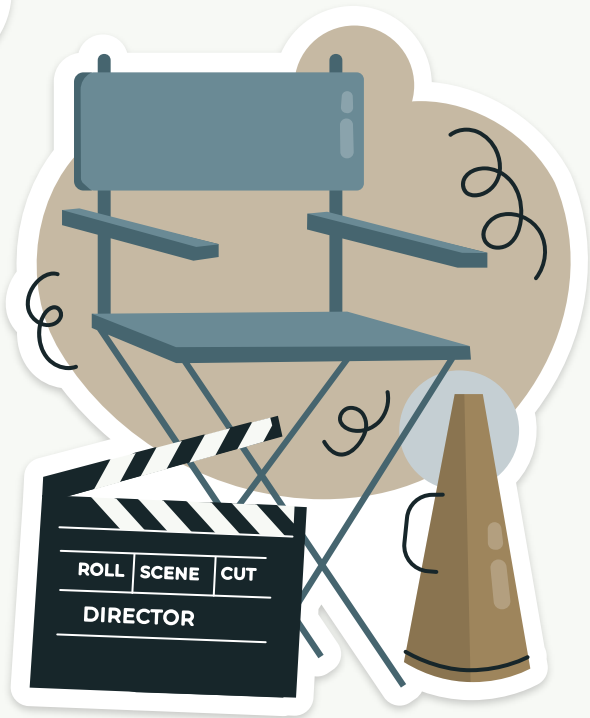
Leave Feedback:

Share your experience...

Submit Feedback

## Or, Provide Voice Feedback:

Start Recording

07

Future Enhancements

Future enhancements for this movie ticketing system could include expanding voice feedback capabilities to support multilingual processing, allowing users to provide feedback in various languages, further broadening accessibility. Enhanced sentiment analysis could involve fine-tuning models to better understand movie-specific sentiments, such as genre preferences or visual effects.

Implementing advanced aspect-based sentiment analysis can provide more granular insights, helping administrators identify and address specific areas of user concern, like theater ambience or seat comfort. Additionally, real-time feedback analysis could be introduced to enable instant response to negative sentiments, fostering a more interactive and responsive user experience. Finally, incorporating predictive analytics for sentiment trends could help anticipate user needs and improve service recommendations.
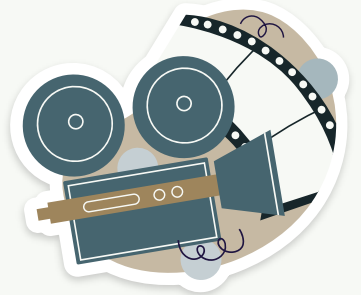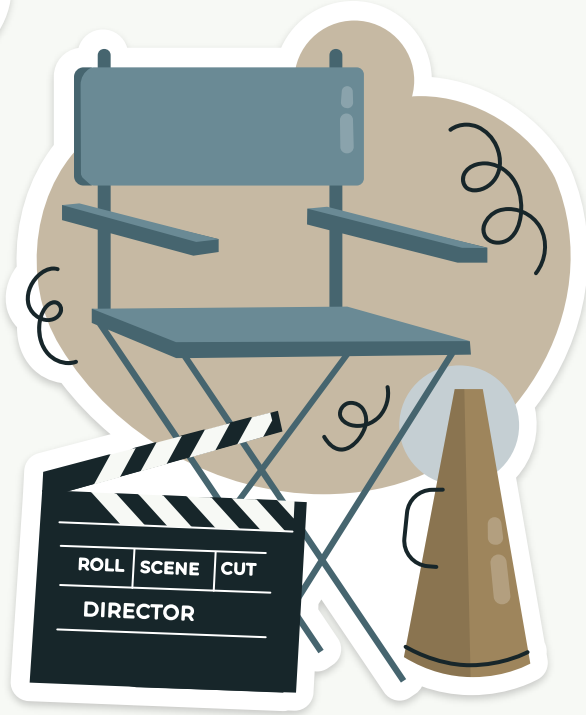
08

Conclusion

- In conclusion, this online movie ticketing system offers a robust, user-centered platform that streamlines the ticket booking process and enhances the movie-going experience. By integrating functionalities for users, theater owners, and administrators, the system fosters smooth operations and improved user engagement. The inclusion of advanced technologies like voice feedback and sentiment analysis provides valuable insights into customer satisfaction, enabling more personalized services and proactive responses to user needs. As the system evolves, future enhancements in sentiment analysis and predictive feedback will further elevate the platform's responsiveness and accessibility, establishing a truly dynamic and immersive movie booking experience for all users.
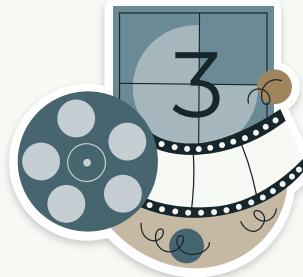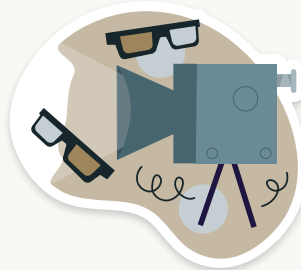
Thanks!

Do you have any questions?
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