Project Synopsis: Online Movie and Drama Ticket Reservation System

Project Title:

Online Movie and Drama Ticket Reservation System

Objective:

The objective of this project is to develop an online platform for booking tickets for movies and drama shows. The system allows users to browse available shows, select seats, and make bookings and payments online. It also allows administrators to manage movie details, show timings, and available seats.

Scope:

The scope of the system includes:

- Online user registration and login.

- Browsing available movies and drama shows with details such as show timings, venues, and seat availability.

- Seat selection and ticket booking functionality.

- Payment integration for booking tickets.

- Admin management of movies, shows, theatres, and tickets.

- Viewing booking history and details for customers.

Modules:

1. **Admin Module:**

   o Manages movie listings with director and actor details.

   o Adds and manages theatres with location information.

   o Schedules shows for movies and drama performances with details such as show date, time, and language.

   o Manages ticket prices, discounts, and seat availability.

2. **Customer Module:**

   o Allows customers to register and log in.

   o Enables customers to browse available shows and movies.

   o Facilitates seat selection and ticket booking.

   o Allows users to view their booking history and manage their profile.

3. **Booking and Ticket Management Module:**

   o Manages the booking process for seats and shows.

   o Ensures that seat availability is updated in real-time.

   o Provides a booking confirmation and summary to customers.

4. **Payment Module:**

    o Handles payments for tickets.

    o Integrates various payment options to complete transactions.

    o Manages payment statuses and provides invoices or receipts.

Key Features:

- **User-Friendly Interface**: The system will provide a simple and intuitive interface for users to view available movies and book tickets.

- **Seat Reservation**: Real-time seat selection and reservation feature.

- **Online Payment**: Secure online payment integration for users to pay for tickets.

- **Admin Control**: Administrators will have control over show management, ticket prices, and seat availability.

- **Booking History**: Customers can view their past bookings and download e-tickets.

Database Design:

The project will use a relational database to store and manage information about users, movies, shows, seats, and bookings. The database schema includes:

- **Users Table**: Stores user details like ID, name, email, phone number, and password.

- **Movies Table**: Stores details about movies and dramas, including their directors and actors.

- **Theatre Table**: Stores information about theatres and their locations.

- **Show Table**: Stores information about the shows for each movie, including date, time, and language.

- **Seats Table**: Stores information about available seats in theatres.

- **Tickets Table**: Stores details about booked tickets, including prices and seat numbers.

- **Bookings Table**: Stores booking details, linking tickets to customers.

- **Payment Table**: Handles the payment details for ticket bookings.

Technologies Used:

- **Front-End**: HTML, CSS, JavaScript for designing the user interface.

- **Back-End**: Java, JSP, and Servlets for handling the business logic.

- **Database**: MySQL for storing user, movie, show, and booking information.

- **Frameworks**: Hibernate for ORM (Object-Relational Mapping).

- **Payment Gateway**: Integration of third-party payment gateways for handling transactions.

Conclusion:

The Online Movie and Drama Ticket Reservation System will provide an efficient way for users to browse and book tickets online. The admin functionalities will simplify the management of shows and ticket sales, while the users will benefit from a seamless and secure ticket booking experience.