**Theater Management System**

Title: StageMaster Pro

Target Audience: Theater Managers & Staff

Type: B2B

Timeline: 2 weeks

Total Members: 1

**Requirements:**

The manager can register using a sign-up page.

The manager can log in using their username and password.

The system allows managing theater details and seating setup.

The manager can add new shows/movies with all required information.

The manager can add new customers/members to the system.

The system supports searching and filtering shows based on different criteria.

A show details page displays complete information (timings, cast, etc.).

Customers can book tickets, and the system tracks booking and show timings.

Tickets can be canceled, and customers can provide feedback or ratings.

The manager can manage theater staff and view their details.

The system calculates refunds for canceled tickets and stores payment details.

**Data Model:**

**RegistrationInfo: Class**

ManagerId: Integer

FirstName: String

LastName: String

MobileNo: Long/String

EmailId: String

Password: String

ConfirmPassword: String

UserName: String

DOB: String

**Login: Class**

UserName: String

Password: String

**Theater: Class**

ID: Integer

Name: String

Manager: String

Capacity: Integer

SeatingStructure: SeatingStructure

Address: String

PhoneNo: Long/String

EmailId: String

OpeningTime: Long

ClosingTime: Long

Holidays: List<String>

**SeatingStructure: Class**

TotalSeats: Integer

VIPSeats: Integer

RegularSeats: Integer

WheelchairAccessibleSeats: Integer

**Show: Class**

ShowId: String

Title: String

Genre: String

Duration: Integer (minutes)

ReleaseYear: Integer

Director: String

Cast: List<String>

ShowTimes: List<Long>

AvailableSeats: Integer

**Customer: Class**

CustomerId: String

FirstName: String

LastName: String

Email: String

MobileNumber: String

Address: String

DOB: String

Bookings: List<BookingRecord>

Feedbacks: List<Feedback>

**BookingRecord: Class**

BookingId: String

CustomerId: String

ShowId: String

SeatNumbers: List<String>

BookingDate: Long

ShowTime: Long

TotalAmount: Double

PaymentStatus: String ("Paid", "Pending", "Refunded")

**CancellationDetails: Class**

CancellationId: String

BookingId: String

CancellationDate: Long

RefundAmount: Double

Feedback: Feedback

**Feedback: Class**

FeedbackId: String

CustomerId: String

ShowId: String

Comments: String

Rating: Integer (1–5)

**Payment: Class**

PaymentId: String

BookingId: String

CustomerId: String

Amount: Double

PaymentDate: Long

PaymentMethod: String ("Card", "UPI", "Cash")

**SearchFilter: Class**

Title: String

Genre: String

Director: String

ReleaseYearFrom: Integer

ReleaseYearTo: Integer

AvailableShowsOnly: Boolean