**Movie Ticket Booking Application**

### Introduction:

The Movie Ticket Booking Application is a software solution designed to make it easier for moviegoers to book tickets for their favorite movies. The objective of this system is to streamline the movie ticket booking process, reduce wait times, and improve the overall moviegoing experience. This business requirement document outlines the functional and non-functional requirements of the Movie Ticket Booking Application.

### Functional Requirements:

1. Movie Search: The system should allow users to search for movies by title, genre, or release date.
2. Theater Search: The system should allow users to search for theaters by location, movie selection, or amenities.
3. Seat Selection: The system should allow users to select their preferred seats for a particular movie and theater.
4. Payment: The system should allow users to make payment for their ticket bookings through various payment options such as credit cards, net banking, and digital wallets.
5. Booking History: The system should maintain a record of user booking history for reference and future bookings.
6. Ticket Cancellation: The system should allow users to cancel their ticket bookings, subject to the ticket cancellation policy of the theater.
7. Movie Ratings and Reviews: The system should allow users to rate and review movies they have watched.

### Non-Functional Requirements:

1. Performance: The system should be able to handle a high volume of user requests and ticket bookings without any performance degradation.
2. Security: The system should be secure and protect user data and payment information from unauthorized access or disclosure.
3. Availability: The system should be available 24/7, with minimal downtime for maintenance.
4. Usability: The system should be user-friendly and easy to navigate for both tech-savvy and non-tech-savvy users.
5. Compatibility: The system should be compatible with different devices and operating systems, including desktops, laptops, and mobile devices.
6. Scalability: The system should be scalable and able to handle an increasing number of users and ticket bookings as the application grows.

### Conclusion:

The Movie Ticket Booking Application is an essential requirement for moviegoers to book their movie tickets easily and efficiently. The functional and non-functional requirements outlined in this business requirement document will ensure the successful implementation and adoption of the system.

**Database Template**

Table Name: Movies

Columns: movie\_id, movie\_title, genre, director, duration, rating

Table Name: Theatres

Columns: theatre\_id, theatre\_name, location, seating\_capacity

Table Name: Shows

Columns: show\_id, theatre\_id, movie\_id, show\_date, show\_time, available\_seats

Table Name: Bookings

Columns: booking\_id, customer\_id, show\_id, booking\_date, total\_amount, payment\_method