**Document: System Requirement Specification Document**

**Title: System Requirement Speciation for BookMyShiw**

**Team: Direct Customer, Indirect Customer, Architect, Business Analyst**

**Quality Assurance Team, System Analyst.**

**Objective (Purpose):**

**This system will be designed to maximize the easiness of the customers to book tickets, which would otherwise have to be booked by standing in long queues at the theater**

**The online movie ticket booking system is intended to provide customers to book tickets hassle-free, from anywhere at any time.**

**The system is intended to provide information about the recently released movies in user’s city.**

**The system provides an e-ticket as an output and customers can download this ticket in pdf format.**

**Scope:**

**The system will enable customers to browse through various movies which are recently released and Book online ticket without visiting the cinema halls physically.**

**This system will inform the customer by sending an E-mail, confirming his booking/canceling of his tickets.**

**The system is designed for all types of users regardless of their age.**

**Functional requirement:**

**User Registration:**

For bookmyshow online platform there are certain requirements. The user should be able to register themselves and add the details to create the account. The details should include the user name,user mail id, user mobile number and add the password and confirm the password.

If the data is valid then and then only the user will be able to create the account. If the data is not valid the user will not be able to create the account.

**User Login:**

Registered users should be able to login to the page. The user has to select the city or the address of his current location so that the user will be able to see the nearby theatres.

**Movie listing:**

Once the user selects the preferred city the user must see the theatres list and the movie list,movie time,ticket prices and seat availability.

**Seat selection:**

User should check the list and accordingly he has to go for seat allocation based on their preference and seats available .

**Payment Integration:**

Enable user to Online payment page where the user will pay the amount in various payment gateway for booking the ticket for the show.

**Booking Confirmation:**

User should receive the booking confirmation mail or message after successful payment and booking with the details of Movie name,Show time,Number of seats booked by the user and screen number.

**Cancellation and refund:**

The user must be able to cancel the booked seats only if the terms and conditions are followed by the user.

If the user cancels the booked tickets they will get the refund if the criteria matches.

**Reviews and Ratings:**

Users should be able to give the reviews and rationtgs on the platform for movies,theater services. They should be able to see the reviews and rating of other peoples based on their experince.

**User Profile:**

The users must be able to check the history of his activities and personal data , and able to update the data.

NON FUNCTIONAL REQUIREMENT :

 SECURITY: Registered Customer will be allowed to book the tickets.

Stakeholders will be able to access the content through authentication.

System would protect confedential information of stakeholder to the system.

In case of inactiveness system should logout and it would redirect to login page.

System will internally maintain secure communication channel between web servers,app servers, database server. Use proper firewall to protect servers from out side fishing, velnerable attacks.

 RELIABLITY: System will backup data on regular basis to avoid data loss.

During peak hours system should handle large amount of traffic and transaction without crashing and keeping same user experience.

 AVAILABLITY: System should be available 24\*7 hrs.

 MAINTAINABLITY : System should be easy to maintain and upgrade. Commercial database software will be used to maintain system data persistence. Separate enviorment will be maintained for production, testing and development.

 COMPATABLITY : System should be compatable for all devices and browsers.

 ACCESSIBLITY : Only registerd customer will be able to book tickets after authenticate.

Board of director team will be able to view daily, weekly, monthly, annual business growth through customize dashboard.

 DURABLITY: System will maintain wishlist for customer. The customer will able to add shows, plays, concerts to the wishlist

 EFFICIENCY: On holidays and festival the maximum no of users will book tickets with the same response times

 SCALABLITY : System should be scalable as user base increases system should provide consistenct user experience.

 SAFETY : Book my show portal will be secure form malicious attack , fishing payment functionalities will be protected. It should be regularly updated with latest antivirous and online ticket booking should be protected from outside with proper firewall.