**BoxOfficeBuddy**

**Business Requirement Specification**

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# 1. Introduction

# Document Purpose

This document communicates the business requirements and scope for developing BoxOfficeBuddy -Movie tickets booking system. The scope of this document is to define the functional and non functional requirements, business rules and other constraints requirements.

# Project Background

The idea of developing an online movie booking system arises from the need to provide a convenient, quick, and efficient way for users to book movie tickets. This system will address various points associated with traditional booking methods, such as long waiting times, limited availability of tickets, and the inconvenience of traveling to the movie theater just to buy tickets. Additionally, it will help theater owners manage bookings more efficiently, reduce the workload on their staff, and improve overall customer satisfaction.

# Goals of the project

The main objective of this project is building a website which is a user-friendly interface that allows users to browse movies, check showtimes, and book tickets effortlessly from any device with internet access. Reduce the need for physical tickets, thereby contributing to environmental sustainability by decreasing paper usage. Implement robust security measures to protect user data and payment information. Provide detailed information about movies, including synopses, trailers, cast details, and user reviews. Offer an easy-to-use backend system for theater owners to manage movie schedules, ticket pricing, and seat availability

# Customers and Stakeholders

Customers:

* + Admin
  + Theater owners
  + Customers who wants to see the movie shows/book the tickets.

Stakeholders

* + Ministry of information & broadcasting.
  + Government of India

# 2. Business Requirements Overview

* BoxOfficeBuddy is the public web application.
* The BoxOfficeBuddy System will initially target global users, with a primary focus on India in phase 1.
* There are mainly two types of user. One is the user and other is theater owners
* Users can search for movie showtimes, ticket availability, and prices.
* Theater Owners can list their movies, showtimes, and additional information.
* The BoxOfficeBuddy System provides functions that efficiently connect users with movies, facilitating effortless ticket booking.
* BoxOfficeBuddy System is maintained by Administrator.

# 3. Functional Requirements Overview

BoxOfficeBuddy- Movie tickets booking system consists of three modules described as below.

1. User Module
2. Theater owner Module
3. Admin Module

# 3.1 User Module

* Users can register and create their own accounts on the platform.
* users can search for movies by title, language.
* Users can choose show times for movies they want to watch
* Users can select seat for the specific chosen movie.
* Users can book tickets for selected movies and show times.
* Users can do payment and view track of booking history and past transactions
* Users can update their personal info.

# 3.2 Theater owner Module

* Theater owners can register their theatres on the platform.
* CRUD operations for movie

Theater owners can arrange seating arrangements for the screens.

* Set up show times for movies which are going to be screened.
* Monitor available seats and tickets inventory
* Confirmation of bookings made by the users
* Keeping track of ticket sales and income generated.
* Can generate multiple reports.
* Theater owner will make payment to website.

# 3.3 Admin Module

* Overview of system, activities, statistics and analytics.
* Admin will authenticate theatre / theatre owner.
* Manage user accounts including activation and deactivation.
* Managing to information on all ticket booking and payments received.
* Admin will receive payment form theater owners.

# 4. Non-functional Requirements

* The website should use professional design, look and feel and color scheme.
* Users will have no limitations for accessing the application through Internet. The portal being an internet application, it is difficult specify exact number of visitor or users. Hence we will target the system to support between 5 and 10 million users on launch of phase 1.
* Being a public website, the site must follow general usability guidelines for menus, navigation, colors, links and other actions provided on the screens.
* The system should be designed in such a manner that user will be able to complete tasks in minimum number of steps.