**It’s ShowTime**

Every time is ShowTime

**Business Requirement Specification**

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# 1. Introduction

# Document Purpose

This document communicates the business requirements and scope for developing It’s ShowTime e-Movie ticket booking System. The scope of this document is to define the functional and non-functional requirements, business rules, and other constraints requirements.

# Project Background

It’s ShowTime developing an online movie ticket booking system as a product. On previous days tickets were collected at the counter. Watching movies with family and friends in theatres is one of the best entertainment mediums after a hectic schedule. But all this excitement vanishes after standing in hours in long queues to get tickets booked. Now “It’s ShowTime” enables people to book tickets online 24/7 from anywhere using our It’s ShowTime Application.

The project objective is to book movie tickets on the online portal. The Ticket Booking System is an Internet-based application that can be accessed throughout the internet and can be accessed by anyone who has an internet connection. The user is required to login into the system and needs an online payment system for booking the tickets

# Goals of the project

To provide simple and user-friendly UI to all types of users by It’s ShowTime portal. This online ticket booking system provides a website for a cinema hall where any user of the internet can access it. This system also provides an option to cancel previously booked tickets. The website provides complete information regarding currently running movies on all the screens with details on show time and available seats. The online ticket booking system is one of the best opportunities for those who cannot afford enough time to get their tickets reserved while standing in long queues.

# Customers & Stakeholders

Customers:

* Any user who will buy the tickets/Search the movie. (B2C)
* Theatre owner wants to sell ticket’s on ShowTime application. (B2B)
* Admin will Manage entire system.

Stakeholder:

* Visitors - visiting the show time website.

# 2. Business Requirements Overview

* It’s ShowTime application System is the public web application.
* It’s ShowTime application System will be opened to the State, but in phase 1, the main target is one city.
* There are mainly two types of users i.e. Admin and Customer.
* The users will search for the movie, then for theatre, and then book the tickets online.
* The Admin maintains the user details, movie details, and theatre details, and checks the number of seats available.
* The user should first register and create an account to use the system. Users can log in and can update personal details.
* The user gets all information like Movie details and theatre Details.
* Registered Users can write reviews and give ratings for the movie.
* Any user of the system can read the review about the movie.
* It’s ShowTime application System could be maintained by the Admin.

# 3. Functional Requirements Overview

It’s ShowTime System consists of two modules described below.

1. Admin Module
2. Customer Module
3. Theatre owner Module

# Admin Module

* Login: Admin logins to the system by entering a valid user id and password to manage the system.
* Verification: Admin can verify theatre owner.
* Remove theatres: Admin can remove the theatre.
* View Feedback: Admin can see feedback about registered theatre.
* Logout: After managing the system admin will log out.

# Theatre owner Module

* Registration: Theatre owner will register on to the site.
* Login: Theatre owner logins to the system by entering a valid user id and password for doing task.
* Add movies: The system shall have a feature for the owner to add movies and their details.
* Remove movies: The system shall have a feature for the owner to remove movies.
* Logout: After doing his/her task he/she will log out.
* Delete: Owner can delete the account from site.
* Payment: Will accept the payment.
* Ticket generation: Theatre owner will generate the ticket.

# Customer Module

* Registration: If a customer wants to book the ticket then he/she must be registered, an unregistered user can’t book the ticket.
* Login: Customer logins to the system by entering a valid user id and password for booking the ticket.
* Search Movie: The system shall have a search function. Customers can search movies based on movie name, date, time.
* Search theatre: Customers can search for multiple theatres
* Seat Viewing: The customer shall be shown an image of the seats from which the desired seats are selected.
* Ticket Booking: The customer shall be given an option to book a ticket up to one hour before the start of the movie time.
* Payment: For the customer, many types of secure billing will be prepared by an online payment system.
* Download Ticket: He/she will get the ticket.
* Ticket canceling: The customer shall be given an option to cancel the ticket two hours before the movie with some charges.
* Logout: After the payment or browsing the movie, the customer will log out.
* Feedback: Can give feedback for movies, and theatre.

# 4. Non-functional Requirements

* **Security**

The system’s back-end servers shall only be accessible to authenticated administrators. Sensitive data will be encrypted before being sent over insecure connections like the internet.

* **Reliability**

The reliability of the overall program depends on the reliability of the separate components. The main pillar of the reliability of the system is the backup of the database which is continuously maintained and updated to reflect the most recent changes. Thus, the overall stability of the system depends on the stability of the container and its underlying operating system.

* **Availability**

The system should be available at all times, meaning the user can access it using a web browser, only restricted by the downtime of the server on which the system runs. A replacement page will be shown in case of a hardware failure or database corruption. Also, in case of a hardware failure or database corruption, backups of the database should be retrieved from the server and saved by the administrator. Then the service will be restarted. It means 24/7 availability.

* **Maintainability**

A commercial database is used for maintaining the database and the application server takes care of the site. In case of failure, a re-initialization of the program will be done. Also, the software design is being done with modularity in mind so that maintainability can be done efficiently.

* **Portability**

The application is HTML and scripting language based. So, the end-user part is fully portable and any system using any web browser should be able to use the features of the system, including any hardware platform that is available or will be available in the future. An end-user is using this system on any OS; either it is Windows or Linux. The system shall run on PC, Laptops.

* **Accessibility**

The system will be a web-based application it is going to be accessible on the web browser.

* **Back up**

We will take a backup in our system database. To enable the administrator and the user to access the data from our system.

* **Performance**

The product shall be based on the web and has to be run from a web server. The product shall take initial load time depending on internet connection strength which also depends on the media from which the product is run. The performance shall depend upon the hardware components of the client/customer.

* **Supportability**

The source code developed for this system shall be maintained in the configuration management tool.