

## **Online Application Title: Online Movie Ticket Booking System.**

**Group No.: 23**

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**SRS Document:**

**Purpose of Project:**

The purpose of this document is to present a detailed description of the Movie Ticket Booking System. It will explain the purpose and features of the system, the interfaces of the system, what the system will do, the constraints under which it must operate and how the system will react to external stimuli.

**Scope of project:**

This software system will be a Movie Ticket Booking System. 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 theaters. More specifically, this system is designed to allow a customer to book and cancel his tickets at any time of the day. This software will inform the customer by sending an E-mail, confirming his booking/canceling of his tickets. Preformatted reply forms are used in every stage of the tickets' booked/cancelled progress through the system to provide a uniform review process. The system also contains a relational database containing a list of Movies, Timings, Seats, Prices and Bookings.

**Definition:**

SRS-Software Requirement Specification.

GUI-Graphical User Interface

**Overall Description:**

**System Environment**

The Movie Ticket Booking System has two active actors, customer and admin. The Customer accesses the Movie Ticket Booking System through the Internet. Any customer communication with the system is through email. The Admin accesses the entire system directly.

## **Functional Requirement:**

This section outlines the use cases for each of the active Customers separately. The customer is the main actor in this system.

## **Customer Use Cases:**

### **Customer Use Case 1**

Use case: Registration

#### **Brief Description:**

The Customer registers in the Movie Ticket Booking System.

#### **Initial Step-By-Step Description**

Before this use case can be initiated, the Customer has already connected to the Movie Ticket Booking System.

1. The Customer registers with his/her details in the Movie Ticket Booking System.
2. The System uses the sendto HTML tag to bring up the user's email system.
3. The System generates and sends an email acknowledgement.

### **Customer Use Case 2**

Use case: Sign-In

#### **Brief Description**

The Customer accesses the system to sign-in to his/her account.

### **Initial Step-By-Step Description**

Before this use case can be initiated, the Customer has already connected to the Movie Ticket Booking System.

1. The Customer is signed-in to his/her account in the Movie Ticket Booking System.
2. The Customer then proceeds to edit his/her profile or book a movie.

### **Customer Use Case 3**

Use case: Edit Profile

#### **Brief Description**

The Customer accesses the system to edit his/her profile.

#### **Initial Step-By-Step Description**

Before this use case can be initiated, the Customer has already connected to the Movie Ticket Booking System & signed-in to his/her account.

1. The Customer is signed-in to his/her account in the Movie Ticket Booking System.
2. The Customer then proceeds to edit his/her profile.

### **Customer Use Case 4**

Use case: Search Movie

#### **Brief Description**

The Customer accesses the Movie Ticket Booking System, searches for a movie.

### **Initial Step-By-Step Description**

Before this use case can be initiated, the Customer has already accessed the Movie Ticket Booking System.

1. The Customer chooses to search by movie name, genre, timing or date.
2. The system displays the choices to the Customer.
3. The Customer selects the movie desired.
4. The system presents the abstract of the movie to the Customer. 5. The Customer chooses to book the movie

The Ticket Booking Process state-transition summarizes the use cases listed below. A Customer selects a movie. Then Customer decides the time, seats, offers and reviews it. If ticket is booked, possibly after a revision, the System sends an acknowledgement E-mail to the Customer. The customer can possibly cancel his/her booking 1 hour before the movie timing.

### **Customer Use Case 5**

Use case: Book Movie

#### **Brief Description**

The Customer books a movie.

### **Initial Step-By-Step Description**

Before this use case can be initiated, the Author has already connected to the Movie Ticket Booking System and has searched for a movie.

1. The Author chooses the Book Movie button.

2. The System uses the sendto HTML tag to bring up the user's email system.
3. The System generates and sends an email acknowledgement.

### **Customer Use Case 6**

Use case: Make Payment

#### **Brief Description**

The Customer proceeds to payment for his/her booking.

#### **Initial Step-By-Step Description**

Before this use case can be initiated, the Customer has already connected to the Movie Ticket Booking System.

1. The Customer chooses the Make Payment button.
2. The Customer then is allowed to make his payment via various methods (Net banking, Credit Card, Debit Card)
3. The System uses the sendto HTML tag to bring up the user's email system.
4. The System generates and sends an email acknowledgement.

## **Admin Use Cases**

The Admin has the following sets of use cases:

For example:-

Use case: Upload Movies

### **Brief Description**

The Admin can upload the list of movies.

### **Initial Step-By-Step Description**

Before this use case can be initiated, the Admin has already accessed the main page of the Movie Ticket Booking System.

1. The Admin selects to Upload Movies.
2. The System presents a form for uploading movies.
3. The Admin fills in the information and submits the form.

Use case: Update Seats

### **Brief Description**

The Admin can update the seats for the respective movies.

### **Initial Step-By-Step Description**

Before this use case can be initiated, the Admin has already accessed the main page of the Movie Ticket Booking System.

1. The Admin selects to Update Seats.
2. The system presents a choice of adding or updating.
3. The Admin chooses to update for the respective movie.

4. If the Admin is updating the seats, the system presents a grid with the information about the movies.
5. The Admin fills in the information and submits the form.

Use case: View Payments

### **Brief Description**

The Admin views the payments made by the customer.

### **Initial Step-By-Step Description**

Before this use case can be initiated, the Admin has already accessed the main page of the Movie Ticket Booking System.

1. The Admin selects to View Payments.
2. The system presents s list of customers.
3. The system presents the payment about the chosen customer.

## **User Characteristics**

The Customer is expected to be Internet literate and be able to use a search engine. The main screen of the Movie Ticket Booking System will have the search function.

The Admin is expected to be Windows literate and to be able to use button, pull-down menus, and similar tools.

## **Non-Functional Requirements**

The Movie Ticket Booking System will be on a server with high speed Internet capability. The software developed here assumes the use of a tool such as Tomcat for connection between the Web pages and the database.

The speed of the Customer's connection will depend on the hardware used rather than characteristics of this system.