

Software Requirements Specification

for

MOVIE TICKET MANAGEMENT

Prepared by :

- AMIT KUMAR**
- KANISHK ANAND**
- MOHIT DAGAR**

Date created : 12/03/2018

Table of Contents

1. Introduction	4
1.1 Purpose	4
1.2 Document Conventions	4
1.3 Intended Audience and Reading Suggestions	4
1.4 Product Scope	4
1.5 References	4
2. Overall Description	5
2.1 Product Perspective	5
2.2 Product Functions	5
2.3 User Classes and Characteristics	5
2.4 Operating Environment	5
2.5 Design and Implementation Constraints	5
2.6 User Documentation	6
2.7 Assumptions and Dependencies	6
3. External Interface Requirements	6
3.1 User Interfaces	6
3.2 Hardware Interfaces	6
3.3 Software Interfaces	6
3.4 Communications Interfaces	7
4. System Features	7
4.1 User Log-in	7
4.2 Selection of Movie	7
4.3 Selection of Timing	8
4.4 Selection of seats	8
4.5 Price Calculation	8
4.6 Payment	9
4.7 Ticket Generation	9
5. Other Nonfunctional Requirements	9
5.1 Performance Requirements	9
5.2 Safety Requirements	9
5.3 Security Requirements	10

5.4 Software Quality Attributes	10
5.5 Business Rules	10

1. Introduction

1.1 Purpose

The purpose of this SRS is to describe the functionality, requirements and general interface of our project Movie ticket management.

The software movie ticket management is for booking ticket for a movie theater for a particular movie , which shows the no of seats available and price as per class of seat and generates ticket and bill.

1.2 Document Conventions

Main Section Titles

- *Font: Times New Roman*
- *Face: Bold*
- *Size: 18*

Sub Section Titles

- *Font: Times New Roman*
- *Face: Bold*
- *Size: 14*

Other Text Explanations

- *Font: Arial*
- *Face: Normal*
- *Size: 11*

1.3 Intended Audience and Reading Suggestions

Software for customers wants to book movie tickets for a particular movie theater. It includes login, selection of movie, selection of timing, selection of class, selection of seats, payment.

1.4 Product Scope

Software provides convenient way to book movie tickets. Benefits of the software are everybody have their own account, shows the available movies, shows available timing, shows available seats with positions, automatically calculate price of selected tickets, gives payment option, and generates tickets.

1.5 References

Books: R.S.Pressman, I.Sommerville.

2. Overall Description

2.1 Product Perspective

Origin of this software is the idea of easy and simple online management of movie tickets. It is a self-contained product which helps in updating information about shows available, seats available, booking of tickets and generation of bill.

2.2 Product Functions

- *Login*
- *Selection of shows*
- *Selection of seats*
- *Price calculation*
- *Payment process*
- *Ticket generation*
- *E-mail tickets*

2.3 User Classes and Characteristics

Users and Admin can use this website. User must have internet connection to access the website, only registered users can book the tickets. User must have a email id. Admin use to update the data and necessary changes according to the user requirements.

2.4 Operating Environment

Software can be operated by computer and smartphones. It can be operated in any web browser. Internet access is required for booking of tickets.

2.5 Design and Implementation Constraints

- *The global schema, fragmentation schema, and allocation schema.*
- *PHP commands for above queries/applications*
- *How the response for application.*
- *Implement the database at least using a centralized database management system.*

2.6 User Documentation

Any user can use the website who know little about internet. Easy interfaces makes the website easy for use and with few clicks it let you book tickets of a movie.

2.7 Assumptions and Dependencies

- *Cancellation of the show.*
- *Delays in the show.*
- *Changes in tax rules.*
- *Cancellation of bookings.*

3. External Interface Requirements

3.1 User Interfaces

- *To allow customer and admin to login successfully through the application's first page.*
- *The customer will be able to gather information about newly released movie and select the particular movie.*
- *The customer will be able to gather information about the timing of the show at a particular theater and selects the timings.*
- *The customer have to choose class of seats he want reserve according to that particular theater.*
- *The customer will be able to see available seats and allowed select the non reserved seats.*
- *The customer pay the amount of tickets.*
- *Gets the tickets by e-mail.*

3.2 Hardware Interfaces

Minimum Server Side Requirements :

Processor : 1.5 MHz or above

Ram : 1 GB

Hard disk : 5 GB of free space on hard disk

Minimum Client Side Requirements :

Processor : 1.5MHz

Ram : 512 MB

Hard disk : 2 GB (only if downloading is needed)

3.3 Software Interfaces

Minimum Server Side Requirements :

*Operating System : Windows 7 or compatible
Web Server : IE 6.0 +*

Minimum Client Side Requirements :

*Operating System : Window XP or compatible
Web Browser : IE 6.0 +*

3.4 Communications Interfaces

- *Web Server : IE 6.0 +*
- *Web Browser : IE 6.0 +*
- *E-Mail Id*

4. System Features

The Ticket Reservation System is an Internet based application that can be accessed throughout the Net and can be accessed by any one who has a net connection. This application will automate the reservation of tickets and enquires about availability of the tickets. This application includes E-mail the booked tickets.

4.1 User Log-in

4.1.1 Description and Priority

Lets you login in your account on the website and allows to use the website.

4.1.2 Stimulus/Response Sequences

For correct username and password it will authenticate the user. Take him to new movie releases screen.

4.1.3 Functional Requirements

REQ-1: Username
REQ-2: Password

4.2 Selection of Movie

4.2.1 Description and Priority

Lets the user to select the movie among the latest releases for which he wants to book tickets.

4.2.2 Stimulus/Response Sequences

By selection of movie it will show the timings available for the particular movie.

4.1.3 Functional Requirements

REQ-1: The user must be logged in.

REQ-2: *The user have to choose a movie that is available*

4.3 Selection of Timing

4.1.1 Description and Priority

Lets the user to select the timings among the available timings for that particular movie.

4.1.2 Stimulus/Response Sequences

By selection of timings the user is allowed to see the available seats and select seats in the theater.

4.1.3 Functional Requirements

REQ-1: The user must be logged in.

REQ-2: Timing should be available for that movie.

4.4 Selection of seats

4.1.1 Description and Priority

Let the user select class of seats and seats in the theater for a particular timing.

4.1.2 Stimulus/Response Sequences

By selection of seats it reserves the seats and start calculation of price.

4.1.3 Functional Requirements

REQ-1: User should be logged in.

REQ-2: Un reserved seat should be available.

4.5 Price Calculation

4.1.1 Description and Priority

Calculate the price for selected seats according to the class of seats and no. of seats.

Bill also includes the tax as per government rules.

4.1.2 Stimulus/Response Sequences

Shows the total price for selected seats. Also shows tax included. Request user to make payment.

4.1.3 Functional Requirements

REQ-1: Class of seats.

REQ-2: No. of seats.

REQ-3: Tax.

4.6 Payment

4.1.1 Description and Priority

Requests user to make payment, ask user for his credit card details.

4.1.2 Stimulus/Response Sequences

Let user Enter Card details and ask for one time password. Get the payment by credit card and generate bill.

4.1.3 Functional Requirements

REQ-1: Total Bill

REQ-2: Credit Card details

REQ-3: One time Password

4.7 Ticket Generation

4.1.1 Description and Priority

Tickets are generated for the selected seats in the particular theater for selected timing for selected movie. Tickets are send by e-mail to user.

4.1.2 Stimulus/Response Sequences

Generates the tickets.

Mail them to user.

4.1.3 Functional Requirements

REQ-1: User must be logged in.

REQ-2: Bill payments must be done.

REQ-3: E-mail of user should be available.

5. Other Nonfunctional Requirements

5.1 Performance Requirements

There should be good internet speed, as well as processor and operating system of the device also affects the performance.

5.2 Safety Requirements

*The username and password of account should not be shared with others.
Provide valid e-mail id.*

5.3 Security Requirements

During payment enter card details on right page, do not share your one time password with anyone.

5.4 Software Quality Attributes

Software code is flexible can be easily modified according to the need of consumers, features can be added as well as deleted.

5.5 Business Rules

Illegal duplication of the tickets should be strictly dealt with. The administrator should have details of the user's e-mail and tickets booked.