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MINI PROJECT

ON

MOVIE TICKET BOOKING SYSTEM

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**PROBLEM STATEMENT**

Earlier, the customer has to manually visit the cinema hall for booking the ticket. At some instances, the tickets will be sold out. So he has to move to another cinema hall or else he has to buy ticket for another schedule. In order to avoid these type of consequences we come up with movie ticket booking system. This will reduce the time and human efforts of the customer.

**CHAPTER 1**

**1.1 INTRODUCTION**

Movie Ticket Booking System is a platform to provide the customers facility to book tickets for a movie through which they can book tickets and gathers all the information about the movie anytime anywhere. Movie ticket booking system is measurable, cost effective and has very good user interface. This system is useful for both promoters and customers equally. Customers can make online ticket booking at any instance of 24 hours a day. And as this is a web based application therefore they can buy ticket from anywhere around the world. This system is basically made for providing the customer an anytime and anywhere service for booking the seat in the cinema hall and to gather information about the movies.

**1.2 OBJECTIVE**

The main objective of the project Ticket booking system is to provide another way for the customer to buy cinema ticket automatically. As it minimizes the staff at the ticket counter and also saves time for both the staff and customer. It provides 24x7 services to the customer.

**1.3 PROJECT DESCRIPTION**

Ticket booking system is based on the concept of booking movie tickets. The main purpose of this project is to provide a customer with an alternative and convenient manner to buy movie tickets. This system provides user to select a movie, select the seat, to cancel the movie and finally he can able to view all his records. Initially, the user has to sign in by entering his name and password. After the successes full sign in, the user will be provided by an Id. By using that Id and password user can login. The user has to make a choice whether to login, sign in, select a movie, reserve seat, cancelling the movie or to view the reserved tickets. If he select the number 1, the user is allowed to login, by selecting the number 2, he is allowed to sign in, by selecting the number 3, it shows the list of movies available, by selecting the number 4, the user is presented to a seating layout so that he can select seats of his choice, by selecting the number 5, the user can cancel the movie and finally by selecting the number 6, the user can able to view all the records. In order to book the tickets, the user has to sign in first. This movie ticket booking project is built with the purpose of buying movie tickets in easier way.

**CHAPTER 2**

**REQUIREMENTS**

**2.1 HARDWARE REQUIREMENT**

Processor : Intel Pentium IV or more

Ram : 512MB or more

Cache : 1 MB

Hard Disk : 10 MB

**2.2 SOFTWARE REQUIREMENT**

Software used : Code::blocks

Operating System : Windows

## 2.3 FUNCTIONAL REQUIREMENT

**Login -** Customer logins to the system by entering valid user id and password for booking the ticket.

**Select Movie -**Customer or visitor can search movies based on movie name.

**Seat Viewing -**The customer shall be shown the available number of seats from which the desired seats are selected.

**Ticket canceling -**The customer shall be given an option to cancel ticket one hour before the movie with some fine.

**2.4 NON-FUNCTIONAL REQUIREMENT**

**Reliability** - The overall stability of the system depends on the stability of 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. The service will be restarted. It means 24 X 7 availability.

**Maintainability** - A commercial database is used for maintaining the database and the application server takes care of the site. Also, the software design is being done with modularity in mind so that maintainability can be done efficiently.

**Portability** - An end-user is using this system on any OS; either it is Windows or Linux. The system shall run on PC, Laptops, and PDA etc.

**Performance** -The product shall be based on web and has to be run from a web server. The performance shall depend upon hardware components of the client/customer

**Supportability** - The source code developed for this system shall be maintained in configuration management tool.

**CHAPTER 3**

**DESIGN**

The Activity diagram of movie ticket booking system which shows the flow between the activity of selecting, booking, cancelling and viewing records.

































**UNIFIED MODELING LANGUAGE DIAGRAM (UML)** 







Use case diagram

**CHAPTER 4**

**4 TEST PLAN**

Software testing is a critical element of software quality assurance and represents the ultimate review of specification, design and coding.

The purpose of product testing is to verify and validate the various work products viz. units, integrated unit, final product to ensure that they meet their requirements.

**4.1 TEST CASE**

|  |  |  |  |
| --- | --- | --- | --- |
| TEST CASE | TEST SCENARIO | TEST DATA | EXPECTED RESULT |
| 1 | Login  (with existing account) | Enter the Id and password | Enter ID:100  Password:123456  Login successfully |
| 2 | Login  (without existing account) | Enter the Id and password | Enter ID:  The user have to sign in first in order to login. |
| 3 | Sign in | Enter the user name and password | Enter name: Sara  Password:123456  Sign in successfully  Your ID is 100. |
| 4 | Select a movie | Enter your choice :3 | Available Movies: 1.Movie1  2.Movie2  Select your choice: 1  1 2 3 4 5  6 7 8 9 10  Select your seat: 5 |
| 5 | Selecting movie without logging in and sign in | Enter your choice :3 | Available Movies: 1.Movie1  2.Movie2  Select your choice: 1  1 2 3 4 5  6 7 8 9 10  Please login or sign in |
| 6 | View the details | Enter your choice :4 | Name : Sara  ID : 100  Booked movie: Movie1  Seat number: 5 |
| 7 | Cancel the movie | Enter the choice :5 | The ticket has been cancelled successfully |
| 8 | Exit | Enter the choice :6 | To exit |

**CHAPTER 5**

**CONCLUSION**

The conclusion of movie ticket booking system is that it is very convenient and user friendly. The user can able to book tickets from the comfort of his home, so that user does not need to visit the theatre for booking tickets.