SOFTWARE DESIGN DOCUMENT

ONLINE MOVIE TICKET BOOKING SYSTEM

GROUP ID : PG19CS15

GROUP MEMBERS : Harikrishnan V B

Kaveri Umesh

Bertin Kuriakose

Kalidas K

GUIDE : Sudheesh K P

BRANCH : CSE A

SEMESTER : 6

TABLE OF CONTENTS

INTRODUCTION

This project is aimed at developing an online ticket reservation system for Cinema Halls. The Ticket Reservation System is an Internet based application that can be accessed throughout the Net and can be accessed by anyone who has a net connection. This application will automate the reservation of tickets and enquires about availability of the tickets. This application includes message confirmation for the tickets.

BASIC REQUIREMENTS

i) Functional Requirements

A customer should be able to

• Login to the system through the first page of the application change the Password after logging into the system.

• Reservation before one day can be done.

• See his/her current reservations on different movies along with the details.

• Able to choose the seats which are available for a certain class.

• Can select seats from different classes as well for same show and screen also.

• Give details about the details about the credit card. A message should be sent to the concerned person about the confirmation of the ticket to the specified mobile number. The login Id and password should be sent to the mentioned email address if a new account is created. The system should automatically show the fare for the corresponding shows and amount of money needs to be paid for selected seats.

ii) Non-Functional Requirements

Reliability: The capability to maintain the specified level of performance is called reliability. This application is a web based application that runs on any device that has a browser.

Availability: The application will be available for 99% of the time and Security: The business logic is hidden from the users and is much safer and thus avoids unauthorized or illegal access or database corruption. Security of the user's information is also safe as there is a login facility.

Maintainability: Maintenance is typically done after the software development has been completed. As the time evolves, so do the requirements and needs. It revolves around the understanding of the existing software and the effects of the change.

Portability: Portability is the ability of the system or application that can run in various environments. As the web application is based on the java language, the application is portable.

LANGUAGES USED

- HTML
- CSS
- PHP
- MYSQL

FEATURES

The proposed system has to be divided into two parts

a) Admin
b) User

a) <u>ADMIN</u>

Admin part will be developed into web based technologies like HTML,CSS,PHP and will consist of following modules:

1. **Login :** A login page for the admin to access the platform.
2. **Admin Dashboard :** An admin dashboard that provides an overview of the platform including activities on the application, list of movies and theaters, data about the booking, total number of users (registered and guest users), total earnings and filter it by movies and theaters, and other necessary data you need to manage the platform.
3. **Manage Shows :** This feature allows the admin to view, add, remove and manage the shows on the platform. They can add details of the show such as time, venue, the price of the tickets and more.
4. **Manage Venues :** Apart from the shows, admins can also add and manage the venues on the platform. They can add or remove the theaters associated with their platform as per contract and agreement.
5. **Manage Earnings :** This dashboard gives the admin an entire overview of the earnings on the platform. He can view the earnings, filter and sort by data, movies, venue, location and more.
6. **Push Notifications :** Push notification is another primary feature for the ticket booking platform. This feature allows the admin to send push notifications directly to user's devices and share information about the shows, timing, promotions or reminders.

b) <u>USER</u>

Admin part will be developed into web based technologies like HTML,CSS,PHP and will consist of following modules:

1. **User registration and Login screen :** User registration and login screen are the basic features of the ticket booking platform. Generally, the user gets two options on registration or login page.

   a) **Create a platform-specific account :** The user provides the necessary details such as email address or phone number and creates a password for the platform. Once done he has to enter the created credential to log in.

   b) **Register with social accounts :** Here users can sign up using their existing social accounts such as Gmail or Facebook.

2. **Location Selection :** The platform must identify the user's location to provide the information about the venues, movie shows and timings in their vicinity.

3. **Homepage :** Homepage or home screen is the main page of the platform that provides users with all the necessary information and also navigation to other features.

4. **Details of the movie :** Once the user selects the movie, he is navigated to another page that gives details about the movie such as its synopsis, trailers, featured interviews or news, information about the cast and crew, etc

5. **Online Ticket Booking Process:** The users can book the ticket by clicking on the desired movie from the list. They get to select options such as time of the show, theater, number of seats, type of seats and the position.

6. **Payment Processing :** Once the user selects the seats the next step is to make the purchase. It is essential to make sure the experience is convenient and safe.

7. **Download and Email the E-Ticket :** Rather than collecting the ticket from the theaters, this feature gives the user tickets in an electronic form such as PDF file. As soon as the purchase is made, an electronic ticket is generated and sent on the user's email address that can be scanned directly from their mobile upon their arrival at the show.

SYSTEM OVERVIEW

SOFTWARE REQUIREMENT

- Front - end Tool : Visual Studio Code
- Back - end Tool : XAAMP
- Web Browser : Google Chrome
- Documentation : Microsoft Office Word

HARDWARE REQUIREMENT

- Intel Pentium 3 processor or higher
- RAM : 256MB
- HDD : 40GB

USE CASE DIAGRAM

USER

Registration and Login

Location Selection

Ticket Booking

Payment Process

Download Ticket

SYSTEM