

North South University

CSE327: Software Engineering

Section-

Software Requirements Specification

(SRS)

for

Movie Theater Management System

Submitted to

Faculty- MRH1 CSE 327 Section-3 Group-8

Prepared by

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Date of Submission: 18-8-22

Software Requirements Specification for Cinema Hall Management System:

Problem Definition:

In this day and age of the modern era, it's very impractical for people to have to go to the theater only to find out that all the tickets are sold out or even worse, the employees at the ticket counter are holding tickets to sell in black market.

But having the whole system be user focused online experience, people can book tickets online, the availability of tickets and most importantly the show time, where now-a-days people have to waste a lot of time as they get to know about their show time while they are booking their tickets. On the other hand, people will also get the opportunity to know about the price of each show tickets while reserving tickets for their desired show. Moreover as all the information will be available online the employees will not be able to hold any tickets as particular section will be administered by different users, such as the user will only have the access to buy tickets, seat reservation, selecting timing slot etc. The admin will have the access to add New movies, modify movie detail, delete movie listings, sort Movie By Genre and the theater panel will have management side of things such as the user can manage movie details, shows, list bookings, screen, timings, and theater details. Here the user can choose a movie, screen, showtimes, and an opening date in order to organize shows.

Motivation:

Watching movies has never been this hard nowadays. New movie releases and a surge in popularity amongst the youth for watching movies have never been much higher than before. Post covid a lot of new blockbuster movies are being released and as I don't have any theaters in my neighborhood standing in long lines of queue only to get rejected at the counter to know its sold out is largely disappointing. Moreover there are people who buy a large amount of tickets and sell it as scalp to the black market. At that moment

if only there was a platform that is centralized and web-based that might help people to have an easy access to book tickets without even standing on a queue in front of the ticket counters. Moreover this online system would have the clear idea about the seat availability, the time slot of each show, even the price of each show's ticket so that no one would be able to sell the tickets in black

Challenges:

Fluid UI: The challenges for this project include making a fluid UI design with modern design in which customers can easily purchase the movie tickets without looking outdated. The other three challenges include the building blocks of the project. The client side of the panel, the admin side of the panel and the theater panel.

User Panel : Customers can check the total number of movies that are now available, future movies, and the top movie trailers for each on the client-side overview of this website. The customers can also proceed to pay for their tickets and see their booking number

Admin Panel: The admin has the ability to view and edit every movie playing in theaters and delete it. By including information about the title, actors, release date, narrative summary, specific trailer, and movie poster, he or she can provide information on upcoming films.

Theater Management Panel: The user has access to a wide range of system features after logging into the theater panel. The user can manage movie information, shows, list reservations, screen, timings, and theater information here. The user must choose a movie, screen, showtimes, and an opening date in order to organize shows. After that, the user can simply switch the movie's show's state to "running" and stop it if desired. The number of currently playing movies is also listed in a table format on the main dashboard page, along with each movie's showtime, title, and screen. He or she can list all the bookings for a specific show and screen under the bookings area.

4 Functional Requirements

- Admin Panel with Admin Log-In
- Add new movies (Admin Access)
 - Add new movies
 - Edit Details
 - Delete from listing
- Theater Management Panel
- Customer Registration Without Log-in
- Display Current Movies on the Home page
- Ticket booking system
 - Name
 - Contact number
 - Theatre Selection
 - Seat Group selection
 - Quantity
 - Date picker
 - Dynamic time slot

5 Non-functional Requirements

- Bug-Free experience
- Ease of use focused design
- Dynamic Web page

6 Tools/Technologies which will be used for the development

Front End UI - HTML, CSS, Bootstrap

Form Validation - JS

Backend code - PHP

Database Management - Mysql

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Project Overview
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Project Title:Movie Theatre Management System

1.Objective of the project

In this day and age of the modern era,it's very impractical for people to have to go to the theater only to find out that all the tickets are sold out or even worse, the employees at the ticket counter are holding tickets to sell in black market. Our main objective is to combat people wasting their precious time by standing in long lines of queue only to see that the tickets of the movies have been sold out.By building an online web-based movie theatre management system in real-time user focused online experience, people can book tickets online and see the availability of tickets.On the other hand,people will also get the opportunity to know about the price of each show tickets while reserving tickets for their desired show. Moreover as all the information will be available online the employes will not be able to hold any tickets as particular section will be administered by different users,such as the user will only have the access to buy tickets,seat.reservation,selecting timing slot etc.The admin will have the access to add New movies,modify movie detail ,delete movie listings, sort Movie By Genre and the theater panel will have management side of things such as the user can manage movie details, shows, list bookings, screen, timings, and theater details.Here the user can choose a movie, screen, showtimes, and an opening date in order to organize shows.

2.What type of application?

The application will be web based .

3.What Programming Language and Tools will be used?

The tools needed to create this software are

Front End UI - HTML, CSS, Bootstrap,

Form Validation - JS,

Backend code - PHP & Database Management - Mysql

4.What are the high-level functionalities //needs edit

This project is mainly based on MySQL database a web application to be developed in raw PHP code, HTML, CSS, JavaScript, Bootstrap.Website designs are created using CSS (Cascading Style Sheets). It is applied to manage the website's design. It also regulates various crucial elements that are crucial, such as text color, font size, layout placements, etc. To create an outstanding website, bootstrap must be used. To create the website, we combined Bootstrap and CSS. To build the ideal user interface, those are crucial.

5.What could be possible challenges?

Fluid UI:The challenges for this project include making a fluid UI design with modern design in which customers can easily purchase the movie tickets without looking outdated.The other three challenges include the building blocks of the project.The client side of the panel,the admin side of the panel and the theater panel.

User Panel :We'll have to let Customers check the total number of movies that are now available, and the number of tickets available for each time slot for the movie.

Admin Panel:The admin has the ability to view and edit every movie playing in theaters and delete it. By including information about the title, actors, release date, narrative summary, specific trailer, and movie poster, he or she can provide information on upcoming films.

Theater Management Panel: The user has access to a wide range of system features after logging into the theater panel. The user can manage movie information, shows, list reservations, screen, timings, and theater information here. The user must choose a movie, screen, showtimes, and an opening date in order to organize shows. After that, the user can simply switch the movie's show's state to "running" and stop it if desired. The number of currently playing movies is also listed in a table format on the main dashboard page, along with each movie's showtime, title, and screen. He or she can list all the bookings for a specific show and screen under the bookings area.

Contribution details :

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