Progressive Education Society's MODERN COLLEGE OF ENGINEERING Pune 411005.



WAD MINI PROJECT REPORT ON

"Movie E-Ticket (online booking system)"

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PUNE

MINI PROJECT REPORT

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Certificate

This is to certify that, Mini Project Report submitted entitled "MOVIE E-TICKET", Has been carried out by ROHAN TAKMOGE, RUSHIKESH SATHE, ADITYA KOTHARI, AND OM AUTE is the record of bonafide work carried out by them, under the guidance of MS. KASTURI NIKUMBH, in fulfillment of the requirement for the award of the T.E. of Bachelor of Engineering in Information Technology, University of Pune.

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Title of the Project:

Movie E-Tickets (Online Ticket Booking)

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1. Introduction

1.1 Problem statement:

The traditional process of purchasing movie tickets often involves long queues, limited availability, and inconvenience for moviegoers. To address these challenges, there is a need to develop a website for online movie e-tickets that provides a seamless and user-friendly platform for users to browse movies, select showtimes, choose seats, and book tickets from the comfort of their homes or on the go. The website should offer a secure and convenient solution that enhances the overall movie ticket booking experience, saving time and effort for users while ensuring ticket availability and providing various payment options. The aim is to create a user-centric platform that simplifies the ticket booking process, improves customer satisfaction, and boosts the efficiency of movie theater operations.

1.2 Project Summary and Introduction:

The project involves designing and developing a website that simplifies the ticket booking process, enhances user experience, and offers a convenient solution for moviegoers to reserve seats and purchase tickets online. By leveraging modern web technologies and incorporating intuitive user interfaces, the website will provide a seamless experience for users to browse movies, view showtimes, select seats, and complete secure online transactions. The project's ultimate goal is to streamline the ticket booking process, reduce



queueing time, and improve overall customer satisfaction in the movie ticketing industry.

The traditional approach to booking movie tickets often involves waiting in long queues, facing limited availability, and encountering inconvenience for movie enthusiasts. To address these challenges, this web development project focuses on creating a website for movie etickets that revolutionizes the way moviegoers reserve seats and purchase tickets. The website will serve as an online platform where users can easily access movie information, view available showtimes, select preferred seats, and make secure online transactions. By moving the ticket booking process online, the project aims to provide a more user-centric and hassle-free experience, allowing movie enthusiasts to plan and enjoy their movie outings with ease. The website will prioritize user convenience, reliability, and security, ensuring a seamless and enjoyable movie ticket booking experience for users.

1.3 Aim and objective of project:

The aim of this project is to design and develop a web-based platform for movie e-tickets that offers a convenient and user-friendly solution for movie enthusiasts to book tickets online. The project aims to streamline the ticket booking process by providing a seamless and intuitive user interface. Users should be able to easily browse movies, view showtimes, select seats, and complete transactions with minimal effort and time. The project seeks to enhance the overall user experience by offering a visually appealing and responsive website design. The interface should be intuitive, enabling users to navigate effortlessly through movie listings, showtime options, and seat selection. The objective is to ensure that the website provides up-to-date information on movie schedules and seat availability. Users should



be able to view real-time seat availability and select their preferred seats from an interactive seating layout. Security is a crucial aspect of online transactions. The project aims to implement robust security measures to protect users' personal and financial information during the ticket booking process. Secure payment gateways will be integrated to facilitate safe and reliable transactions.



2. System analyses

2.1 Motivation:

The motivation behind undertaking the web development project for movie e-tickets arises from the desire to address the limitations and challenges of the traditional ticket booking process while leveraging the opportunities presented by modern technology. The primary motivations for this project are rooted in providing convenience, enhancing user experience, and fostering industry growth.

Firstly, convenience is a key driving force. Traditional ticket booking methods often involve long queues, limited availability, and time-consuming processes, resulting in frustration for movie enthusiasts. By developing a web-based platform, the project aims to offer a convenient solution that allows users to browse movie options, check showtimes, select preferred seats, and complete transactions from the comfort of their own homes or on their mobile devices. This eliminates the need to physically visit the theater or wait in queues, saving precious time and providing a hassle-free experience for moviegoers.

2.2 Brief Literature Survey:

A literature survey for a web development project about movie e-ticket booking involves reviewing relevant academic papers, industry reports, and existing online platforms to gather insights and understand the current state of the field.



Reviewing existing online ticket booking systems for movies provides insights into the features, functionalities, and user experiences offered by different platforms. Analyzing these systems helps identify common practices, trends, and areas for improvement.

Studying research papers and articles on user experience in online ticket booking systems helps understand the factors that contribute to a positive user experience. It includes aspects such as ease of navigation, speed, responsiveness, visual design, and the overall booking process flow.

Investigating research on secure online transactions and payment integration in e-commerce platforms provides insights into best practices, encryption techniques, and security measures required to ensure safe and reliable payment processing in the movie e-ticket booking context.

Exploring literature on mobile optimization and responsive design is crucial, considering the increasing use of mobile devices for online activities. This helps in understanding the principles and techniques for designing a mobile-responsive website that provides an optimal user experience across different devices and screen sizes.

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3. Design: analysis, design methodology

3.1 Hardware requirement

This section gives the details and specifications of the hardware on

which the system is expected to work.

Processor Pentium: 100 MB of minimum disk space.

Main memory: 512MB.

Hard disk capacity: 160GB.

Software requirement

This section gives the details and specifications of the software on

which the system is expected to work.

Operating system: Windows 7 or above.

Coding language: visual basic.

Web technology: Web development

Front end: Html, Css, Js, Bootstrap

Back end: ASP.NET (MVC), SQL Server

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3.2 Program/module specification

1. Introduction:

- The movie e-ticket booking website is a web-based application designed to allow users to browse movies, view showtimes, select seats, and book tickets online.
- The purpose of this program specification is to outline the key functionalities, features, and technical requirements of the website.

2. User Management:

- User Registration: Users can create accounts by providing necessary details such as name, email, and password.
- User Authentication: Users can log in to their accounts using their registered email and password.
- User Profile Management: Users can update their profile information, including contact details and preferences

3. Movie Listings and Showtimes:

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- Movie Display: The website should provide an interface to showcase a list of available movies with relevant information such as title, synopsis, genre, and rating
- Showtime Schedule: The website should display the showtime schedule for each movie, including the date, time, and theater location.
- Search and Filter: Users should be able to search for movies by title, genre, or location and apply filters to refine their search results.



4. Booking Confirmation and Ticket Generation:

- Confirmation Page: After successful payment, users should receive a confirmation page displaying booking details, including movie title, showtime, seats, and a unique booking reference number.
- Using Paypal Payment gateway system using API of Card Transaction created Paypal Company itself

5. Security and Performance:

- Data Security: The website should implement proper security measures to protect user data, including encryption techniques, secure login, and secure transmission of sensitive information.
- Performance Optimization: The website should be optimized for performance, ensuring fast loading times, responsiveness, and scalability to handle concurrent user traffic.

6. Technology Stack:

- Front-end Development: HTML 5, CSS, JavaScript, and CSS framework Bootstrap
- Back-end Development: Server-side Scripting framework ASP.NET
- Database: A relational database management system MySQL
- Web Server: Deployment on a web server such as Apache.

This program specification outlines the key features and functionalities required for a movie e-ticket booking website. It serves as a guideline for the development team to design, implement, and test the website, ensuring it meets the requirements of the users and provides a seamless and secure movie ticket booking experience.



3.3 Timeline chart

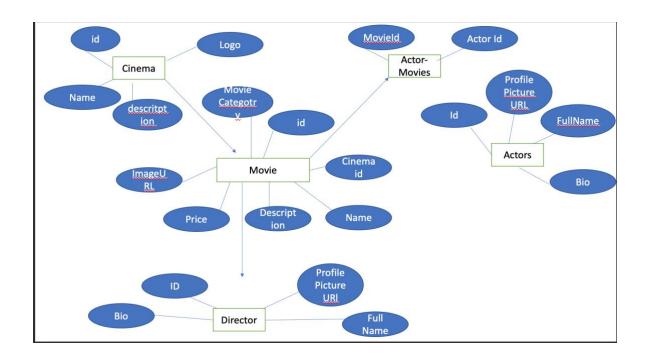
A timeline is a way of displaying a list of events in chronological order, sometimes described as a project art face.

It is typically a graphic design showing a long bar labeled with dates alongside itself and usually events labelled on points where they would have happened.



3.4 UML diagrams

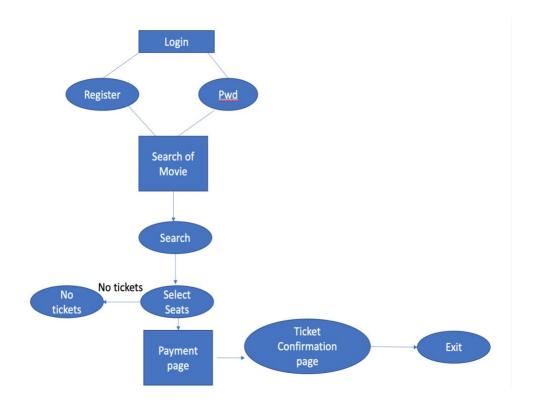
ER Diagram:-



The web project of movie ticket booking aims to create an online platform that allows users to conveniently browse movies, view showtimes, select seats, and book tickets for their desired movies. It provides a user-friendly interface with features like real-time seat availability, secure online transactions, and ticket confirmation. The project focuses on enhancing the user experience, simplifying the ticket booking process, and ensuring the security of user data. It leverages technologies such as web development frameworks, databases, and secure payment gateways to deliver a seamless and efficient movie ticket booking solution accessible through web browsers.



Activity-Diagram:-



The activity diagram of Online Movie Ticket Booking starts with the process of user authentication, where users log in to the system using their credentials. Once the user is authenticated, the system provides access to various modules.



4. Implementation

4.1 System flow

The system flow of the movie e-ticket booking website begins with users accessing the website through their web browsers. Upon landing on the site, they are greeted with a visually appealing homepage that highlights featured movies or upcoming releases. Users can then browse the available movies or search for specific titles using the search bar. Upon selecting a movie, they are directed to the showtime selection page, where they can view the available showtimes sorted by date and time.

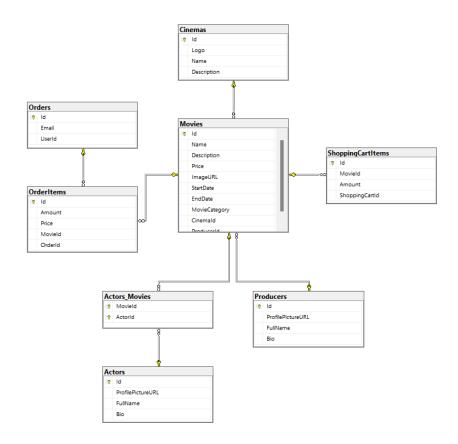
The page provides information about the theater location, screen, and seating capacity for each showtime. Once users have chosen a showtime, they are presented with an interactive seating layout where they can select their preferred seats by clicking on them. The selected seats are visually highlighted, and the total number of tickets is updated accordingly. To proceed with the booking, users are prompted to log in or create an account. New users can register by providing their details and creating a password while existing users can log in using their registered email and password. After selecting seats, users are shown a booking summary page that displays the movie details, showtime, selected seats, and the total cost.

They can then proceed to the payment page, where secure payment gateways are integrated to facilitate online transactions. Once the payment is successfully processed, users receive a booking confirmation page with all the relevant details, including the movie title, showtime, seats, and a unique booking reference number. They have the option to download the e-ticket in PDF format or receive it via email. Users can also access their profile page, which displays their



booking history, personal information, and preferences. The system also includes an admin panel for administrators to manage movie listings, showtimes, theaters, and seat availability. Notifications are sent to users via email, including registration confirmation, booking confirmation, and any updates or changes related to their bookings. The system flow of the movie e-ticket booking website ensures a seamless and user-friendly experience, guiding users through each step of the ticket booking process.

4.2 Database Design





The database design for the website of online movie ticket booking involves several key components to efficiently manage and organize the relevant data. The core of the database design revolves around movie information, theater and showtime management, user management, seat selection, booking, and payment integration.

To begin, the database includes a "Movies" table that stores details about each movie, such as the movie ID, title, synopsis, genre, ratings, duration, cast, director, and release date. This table allows easy retrieval and presentation of movie information on the website. Additionally, related tables can be created to store information about movie genres, actors, directors, and other relevant entities.

The "Theaters" table contains information about the theaters where movies are screened. It includes fields such as the theater ID, name, location, and seating capacity. This table helps in managing theater-related data and enables efficient retrieval of theater information.

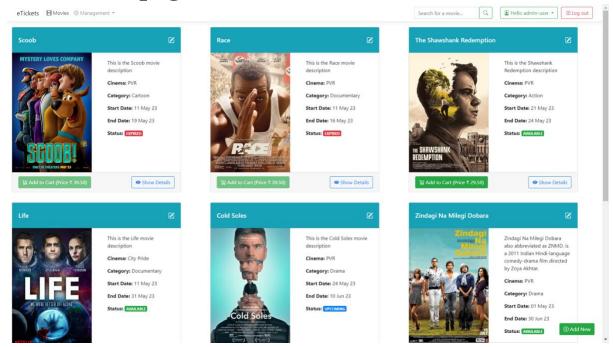
User management is an essential aspect of the database design. The "Users" table stores user information, including the user ID, name, email, password, and other relevant details. User profiles can also include additional fields like contact information, preferences, and booking history. This information helps in personalizing the user experience and managing user-related data effectively.

Lastly, if payment integration is required, appropriate tables and fields are created to store payment-related data securely. This ensures the seamless processing and tracking of online transactions for movie ticket bookings.

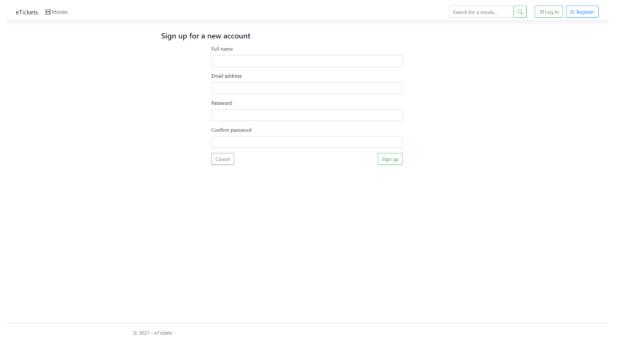


4.3 Module specification

4.3.1 Home page :



4.3.2 Registration Page:

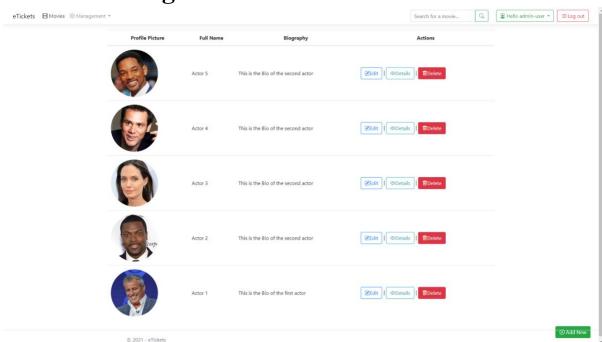




4.3.3 Login Page:

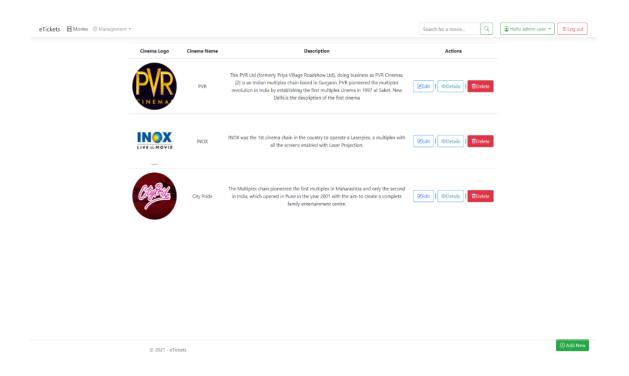
8	O								
eTickets 🖽 Movies					Search for a movie	Q	చి∙ Register		
	Log in to your	account							
		Email address							
		Password							
		Cancel		Log in					
	© 2021 - eTickets								

4.3.4 Actor Page:

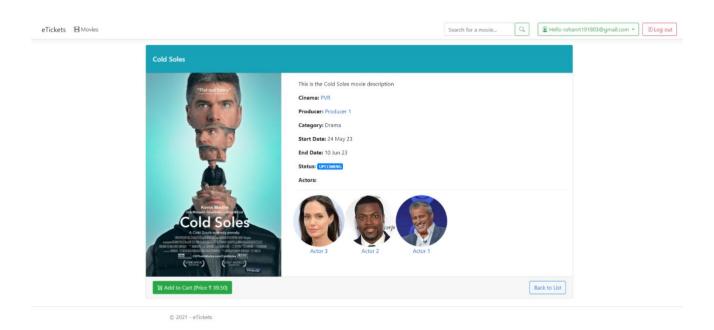




4.3.5. Cinema Page:



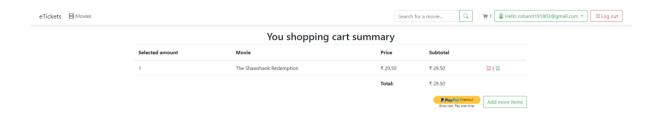
4.3.6 Movie Details:



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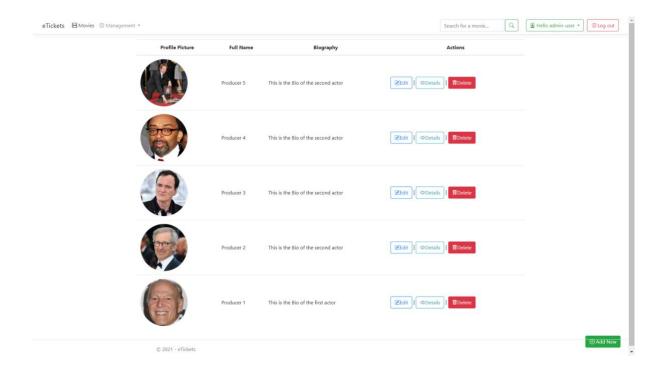


4.3.7 Cart Page:



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4.3.8 Producer Page:





4.4 Result

The result of the website development project for the online movie ticket system is a fully functional and user-friendly platform that allows users to conveniently browse, select, and book movie tickets online. The website provides a comprehensive listing of movies with detailed information, including showtimes and available seats. Users can easily search for their desired movies and view the seating layout to select their preferred seats. The integration of user authentication and registration ensures secure transactions and personalized experiences. The seamless payment gateway integration enables users to make online payments securely. Upon successful booking, users receive instant confirmation with e-tickets that can be downloaded or received via email. The inclusion of user profiles, booking history, and notifications enhance the user experience and keeps users informed about their bookings. Overall, the result is a robust and efficient online movie ticket system that simplifies the ticket booking process and provides users with a convenient and enjoyable movie-going experience.



5. Conclusion

In conclusion, the website development project for the online movie ticket system has successfully created a user-friendly and efficient platform for booking movie tickets online. The project aimed to simplify the ticket booking process, enhance the user experience, and Through secure transactions. careful design ensure implementation, the website offers a comprehensive movie listing, real-time showtime information, and an interactive seating layout for users to select their preferred seats. The integration of user authentication and registration provides personalized experiences and maintains the security of user data. The seamless payment gateway integration allows for convenient and secure online transactions. The inclusion of features like user profiles, booking history, and notifications further enhances the overall user experience. The project has achieved its objectives by delivering a reliable and user-friendly online movie ticket system that meets the needs of moviegoers. This project not only simplifies the ticket booking process but also contributes to the digital transformation of the movie industry, providing a convenient and accessible platform for users to enjoy their favorite movies.



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