Savitribai Phule Pune University

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A Project Report on

<mark>"Online Movie Ticket Booking System"</mark>

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Project Process Report

INTRODUCTION

Movies going is one of the most popular out of home cultural activities, affecting a serious of social, economic and cultural phenomenain modern societies. Through this project we present a comprehensive solution for ticket booking in multiplexes. Online Movie Ticket management system, this ticket selling software that is easy to understand, easy to use and offers the simplicity of fast point-and-click service to the customers.

This powerful software program is specifically designed for theater owners, to sell tickets. This intuitive visual interface makes day-to-day aspects of selling, exchanging, refunding, and reporting fast and easy forboth the user and administrators. Theater management controls all back- end functionalities like, movie details, ticket rate and show time, customer infomation and sales history saved in a database, etc.

It is a website, any user having internet can access it. the total fare for all tickets reservation is calculated by system. user is allowed to select payment mode. Booking receipt is generated by system. user is allowed to change seat numbers, at same time when he books the seats. while system is updated after every transaction of tickets.

PROBLEM STATEMENT

Problem Scenario:
The traditional way of booking the ticket for the movie is the customer need to go to the specific theatre where the desired movie was playing and need to stand in queue and buy the ticket for the movie this will become more difficult for a person in order to overcome this problem.

The project gives real life understanding of online movie ticket booking system and activities performed by various roles in the supply chain. Here we provide automation for movie ticket booking system through internet. Online movie ticket booking system project captures activities performed by different roles in real life ticket booking which provides enhanced techniques for maintaining the required information up to date, which results in efficiency.

Proposed Solution:
The main purpose that theatres have been serving since their inception is to provide the tickets for the audience for the specified movie of specified show. Traditionally the theatres will be on rush which wastes the time of the common man and
hence by this system we can save the time and energy of the customer. The services offered
by online movie ticket booking systems are
1. View the list of movies present
2. View the Upcoming of the movie
3. View the list of theatres based on the show
4. Book the ticket for the specified show

Objective of Project

The project "Online Movie Ticket Booking System" is dedicated to the general requirements of multiplex theatres. The main objective of the project is to create an Online Movie Ticket Booking processing that allows customers to know about new movies, their schedules, Theatre name, class and ticket price etc. In next step he/she selects his desired cinema where he/she wish to see movie, then selects movie and other details like show date, show time, class and no of tickets. Based on given parameters a graphical layout of seat status is visible to the customer. Now customer can select his desired seat location and number of seats. The Administrator will be able to see all booked and cancelled tickets.

Goals of Project

- To increase the revenue of Theatre

- To provide a convenient service for customers.

- To promote cinema on internet.

Literature Survey

o We discussed owner of theatre, customers and relatives about what they knew about Online Movie Booking Ticket System.

o We also saw videos on social media where young people were asked

o questions related to Online Tickets. We take a help from another movie website.

o We found that most of the peoples have very little knowledge about Online Movie Ticket System.

Project Scope

- This is a web application for buying movie tickets online. Customers can buy tickets 24×7.
- This system is developed keeping in view of the current multiplex working pattern. Schedule for many screens can be programmed in this application.
- Customer can choose city and name of multiplex where they want to see movie and get their movie timings.
- Customers can see a graphical view of the seat availability and choose their desired seat.
- They can pay ticket amount online via credit card etc.

Project Limitations

- The transactions are performed on off-line mode; therefore, the seat details and customer capture are not possible to online mode.

- The export of excel regarding movie show and payment details cannot be executed due to some complex issues of this software.

- Having the batch mode execution, the off-line reports of movie, booking seats cannot be developed.

- There are many activities which can performed by audience and administrator. The administrator has all the details to check the details regarding the movie. Apart from that, the user can have many opportunities to enjoy the booking system.

System Analysis

Existing System

For studying the existing system on ticket booking, we conducted a case study on a major ticket booking venture present today in Pune.

In response to the MovieDekho.com Cinemas requirements, we proposed an E-business solution using which would enable movie goes to book their tickets electronically over the Internet from the comfort of their office or home. With the advent of the modern age, the typical user didn't have enough time to stand in line outside the theaters. The online solution allows users to select their shows, book andpay for their tickets. This guarantees them a ticket even before they arrive at the cinema hall.

Limitation and Scope of Existing System

1. Currently the project is being operated on the personal level basis.

2. We are making sure that the project we are developing we will make it online available to all the people.

3. In future we are also making sure to add a real time payment gateway.

4. We are also trying are level best to make it more user-friendly and also adding more features.

Project Feature

o Product and Component based

o Creating & changing issues at ease
o Query Issue list to any depth
o Reporting & charting in more comprehensive way
o User Account to control access and maintain security
o Simple status & Resolution
o Various Level of reports available with a lot of filter criteria's
o It contains better storage capacity.
o Accuracy in work.
o Easy and Fast retrieval of information.
o Access of any information individually.
o Work becomes very speedy

Stakeholders

o The User
o The admin

Functional Requirement

In software and system engineering, a functional requirement defines function of a system or its components, where a function is described as a specification of behaviour between outputs and inputs.

FOR EXAMPLE:

- o If a customer wants to book the ticket, then he/she must be registered, an unregistered user cannot book the ticket. Registration is the first step of booking the tickets for anyone.
- o There are many factors or functional requirement for buying or selling the movie tickets some of them are given below;

Performance Requirements

1. Registration -

If a customer wants to book the ticket, then he/she must be registered, an unregistered user can't book the ticket.

2. Login -

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

3. Search Movie -

The system shall have a search function. Customer or visitor can search movies based on movie name, date, time and venue

4. Seat Viewing -

The customer shall be shown a 2D image of the seats from which the desired seats are selected.

5.Ticket cancelling -

The customer shall be given an option to cancel ticket the movie.

6. Payment -

For the customer there are many types of secure billing will be prepaid by debit or credit card.

7. Logout -

After the payment or browse the movie, the customer will log out.

8. Generate ticket -

After booking, the system can generate with Movie Date, Time, Seat and Price.

9. Add movies -

The system shall have a feature for admin to add movies and their details.

10. Remove movies -

The system shall have a feature for admin to remove
movies.

Security Requirements

- The system uses SSL (secured socket layer) in all
  transactions that include any confidential customer
  information.

- The system must automatically log out all customers
  after a period of inactivity.

- The system should not leave any cookies on the
  customer's computer containing the user's password.

- The system's back-end servers shall only be accessible
  to authenticated administrators.

- Sensitive data will be encrypted before being sent over
  insecure connections like the internet.

System Model

ER Diagram

Class Diagram

Use Case Diagram

ADMIN
+Admin_Id
+Admin_Name
+Add()
+Update()

USER_LOGIN
+User_Id
+User_Pass
+Add()
+Update()
+Delete()

USER_INFO
+User_Name
+User_Age
+User_Gender
+User_Mno
+User_Email
+User_Pass
+Add()
+Delete()

MOVIE
+Movie_Id
+Movie_Name
+Director
+Cast
+Release Date
+Movie Banner
+Description
+Add()
+Edit()
+Delete()

SCREEN
+Screen_Id
+Movie 1
+Movie 2
+Show 1
+Show 2
+Seats
+Add()
+Edit()
+Delete()

RECIEPT
+Movie_Name
+Booking_Id
+Theatre
+Screen
+Show_Time
+Seats
+Amount
+Cancel()

FEEDBACK
+U_Name
+U_Mno
+U_Email
+Message
+Delete()

THEATRE
+T_Name
+T_Location
+Add()
+Edit()
+Delete()

TICKET
+User_Id
+Movie_Name
+Screen_No
+Date
+Show_Time
+No_of_seats
+Amount
+Cancel()

Activity Diagram

```
                    ●
                    │
              ┌───────────┐
              │   Login   │
              │  System   │
              └───────────┘
                    │
              ┌───────────┐
              │Registration│
              └───────────┘
                    │
              ┌───────────┐
              │   Login   │
              │  Account  │
              └───────────┘
                    │
              ┌───────────┐
         ┌────│  Select   │
         │    │  Movies   │
         │    └───────────┘
         │          │
         │         ◇
         │        ╱ ╲
Tickets Not Available
                    │  Tickets Available
              ┌───────────┐
              │Select Seat│
              └───────────┘
                    │
              ┌───────────┐
              │Confirm Seat│
              └───────────┘
                    │
              ┌───────────┐
              │  Payment  │
              └───────────┘
                    │
              ┌───────────┐
              │ Get Ticket│
              └───────────┘
                    │
                   ◇          Confirmation Cancel
                  ╱ ╲──────────────────────┐
          Confirms │                       │
                   │                 ┌───────────┐
                   │                 │  Cancel   │
                   │                 └───────────┘
              ┌───────────┐    Confirms       │  Confirmation Cancel
              │   Give    │───────────────────◇
              │ Feedback  │
              └───────────┘
                    │
              ┌───────────┐
              │  Log Out  │
              └───────────┘
```

Sequence Diagram

USER

Login

Registration

Select Movies

Select Movies

Select Seats

Reserve Seats

Make Payment

Get Ticket

Cancel Ticket

Give Feedback

Component Diagram

Deployment Diagram

Implementation Details

1.Hardware Specification

Main Processor	Core i3 11th Generation
Hard Disk Capacity	500 GB
RAM	4 GB
CLOCK SPEED	3.0 HZ
Keyboard	AccuTip Full
Monitor	HDMI LED Display

2.Software Specification

Operating System	Window XP/7/8 &Linux 3.0.0 Booting
Backend Tools	Camp
Frontend Tool	Chrome & Firefox
Server	Apache & MySQL Server

Test Plan

- A test plan is a document detailing a systematic approach to testing a system such as machine or software.

- A test plan documents the strategy that will be used to verify and ensure that a product system meets its design specification and other requirements.

- A test plan is usually prepared by or with significant input from the test engineers.

Black Box Testing

Black Box Testing is testing without knowledge of the internal workings of the item being tested. For example, when black box testing is applied to software engineering, the tester would only know the legal inputs and what the expected outputs should be, but not how the program actually arrives at those outputs. It is because of this that black box testing can

be considered testing with respect to the specifications, no other knowledge of the program is necessary. For this reason, the tester and the programmer can be independent of one another, avoiding programmer bias toward his own work. For this testing, test groups are often used. Also, due to the nature of black box testing, the test planning can begin as soon as the specifications are written. This strategy has some advantage like it is more effective on larger units of code than glass box testing, tester needs no knowledge of implementation, including specific programming.
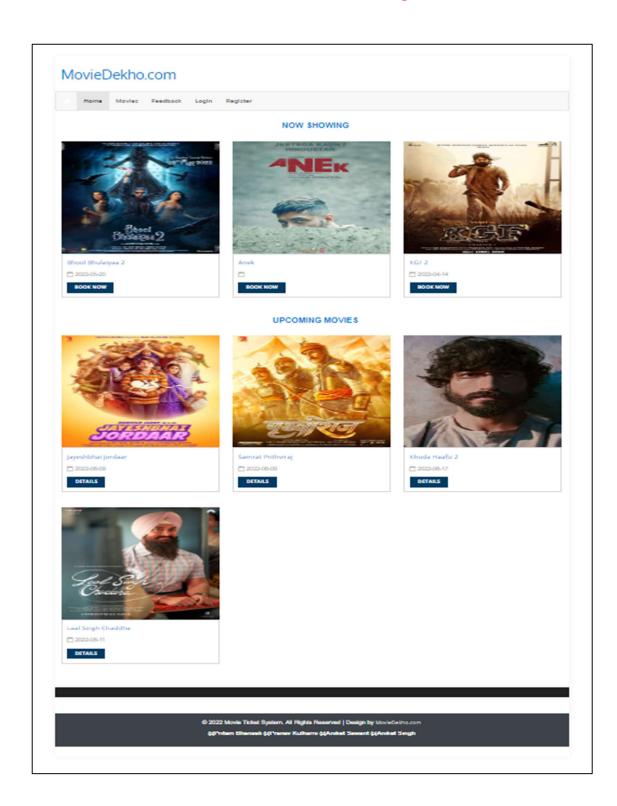
White Box Testing

White box testing strategy deals with the internal logic and structure of the code. White box testing is also called as glass, structural, open box or clears box testing. The tests written based on the white box testing strategy incorporate coverage of the code written, branches, paths, statements and internal logic of the code etc. In order to implement white box testing, the tester has to deal with the code and hence is needed to possess knowledge of coding and logic i.e., internal working of the code. White box test also needs the tester to look into the code and find out which unit/statement/chunk of the code is malfunctioning. The White Box Testing has also some advantages like as the knowledge of internal coding
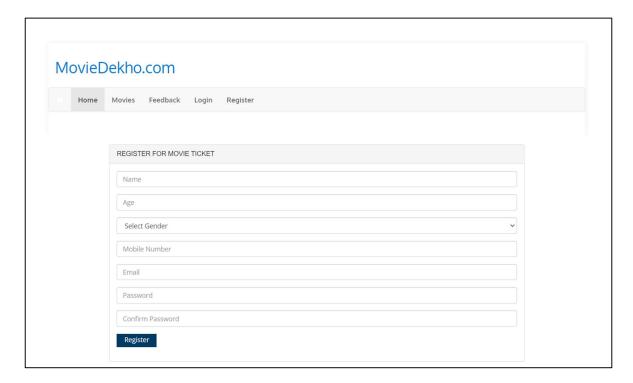
structure is prerequisite. It becomes very easy to find out which type of input/data can help in testing the application effectively. It helps in optimizing the code it helps in removing the extra lines of code, which can bring in hidden defects.
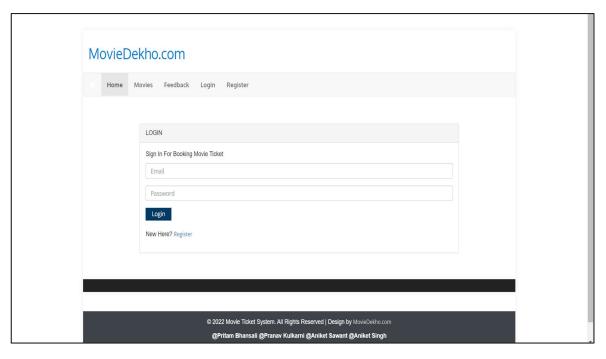
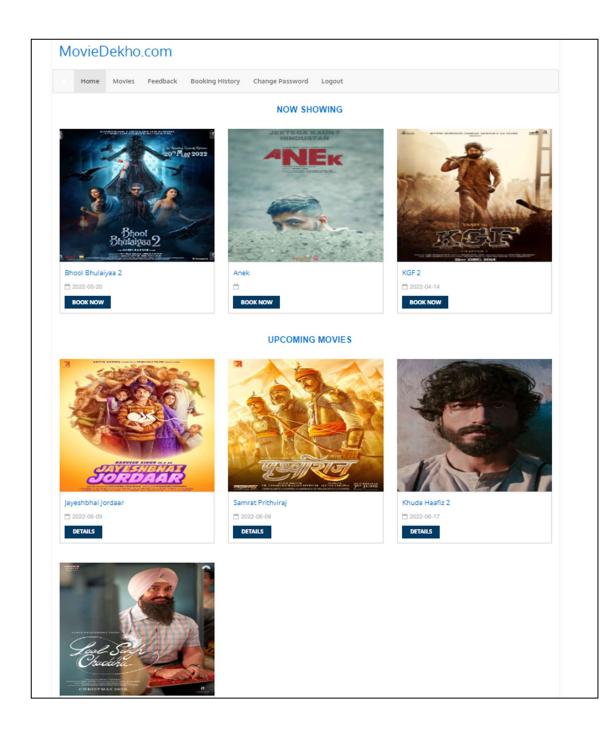# Input / Output Screen -

❖ Client-Side Home Page

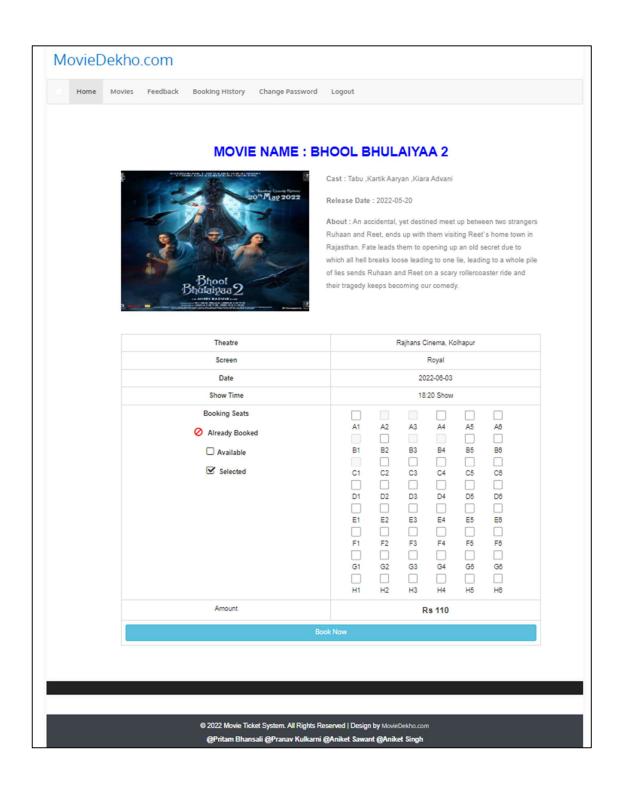## ❖ Client-Side Register Page

❖ Client-Side Login Page

❖ Client-side Movie Page

❖ Client-Side Movie Details

MovieDekho.com

Home   Movies   Feedback   Booking History   Change Password   Logout

MOVIE NAME :BHOOL BHULAIYAA 2

Cast : Tabu ,Kartik Aaryan ,Kiara Advani

Release Date : 20-May-2022

Description : An accidental, yet destined meet up between two strangers Ruhaan and Reet, ends up with them visiting Reet's home town in Rajasthan. Fate leads them to opening up an old secret due to which all hell breaks loose leading to one lie, leading to a whole pile of lies sends Ruhaan and Reet on a scary rollercoaster ride and their tragedy keeps becoming our comedy.

City	Theatre	Screen	Time
Kolhapur	Rajhans Cinema	Royal	18:20 - 03-06-2022
Thane	INOX	Screen 1	00:10 - 06-06-2022

❖ Client-Side Movie Ticket Booking Page

MovieDekho.com

Home | Movies | Feedback | Booking History | Change Password | Logout

MOVIE NAME : BHOOL BHULAIYAA 2

Cast : Tabu ,Kartik Aaryan ,Kiara Advani

Release Date : 2022-05-20

About : An accidental, yet destined meet up between two strangers Ruhaan and Reet, ends up with them visiting Reet's home town in Rajasthan. Fate leads them to opening up an old secret due to which all hell breaks loose leading to one lie, leading to a whole pile of lies sends Ruhaan and Reet on a scary rollercoaster ride and their tragedy keeps becoming our comedy.

Theatre	Rajhans Cinema, Kolhapur
Screen	Royal
Date	2022-06-03
Show Time	18:20 Show
Booking Seats	A1 A2 A3 A4 A5 A6
⊘ Already Booked	B1 B2 B3 B4 B5 B6
☐ Available	C1 C2 C3 C4 C5 C6
☑ Selected	D1 D2 D3 D4 D5 D6
	E1 E2 E3 E4 E5 E6
	F1 F2 F3 F4 F5 F6
	G1 G2 G3 G4 G5 G6
	H1 H2 H3 H4 H5 H6
Amount	**Rs 110**

Book Now

© 2022 Movie Ticket System. All Rights Reserved | Design by MovieDekho.com
@Pritam Bhansali @Pranav Kulkarni @Aniket Sawant @Aniket Singh

❖ Client-side Payment Detail page

MovieDekho.com

| Home | Movies | Feedback | Booking History | Change Password | Logout |

Add Your Debit Card Information

Name on Card

Card Number

Expiration date

01/22

CVV

Make Payment

❖ Client-Side OTP Page

State Bank Of India

Merchant	: Shop Street
Transaction Amount	: INR 110
Debit Card	: 4111111111111111

Authenticate Payment

OTP sent to your mobile number ending **0119**

Enter One Time Password (OTP)

Make Payment

Resend OTP

Go back to merchant

❖ Client-Side Booking History Page

MovieDekho.com

	Home	Movies	Feedback	Booking History	Change Password	Logout

BOOKINGS

Booking Successfully Completed

Booking Id	Movie	Theatre	Screen	Show Time	Seats	Amount	
BKID9966330	Bhool Bhulaiyaa 2	Rajhans Cinema	Royal	2022-06-03 18:20	B-1 B-5 C-1	Rs. 110	Cancel
BKID1563110	KGF 2	City Pride	Screen 3	2022-06-07 09:10	C-1 C-2 C-3	Rs. 450	Cancel
BKID3196318	Bhool Bhulaiyaa 2	Rajhans Cinema	Royal	2022-06-03 18:20	B-1 B-5 C-1	Rs. 220	Cancel

❖ Client-Side Booking History Page

❖ Admin Side Login Page

❖ Admin Side Home Page

❖ Admin Side Manage User Page

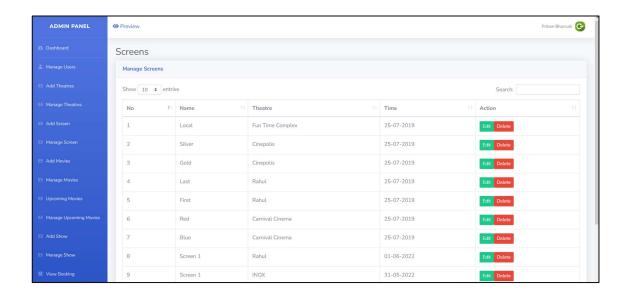

❖ Admin Side Add Theatre Page

❖ Admin Side Manage Theatre Page

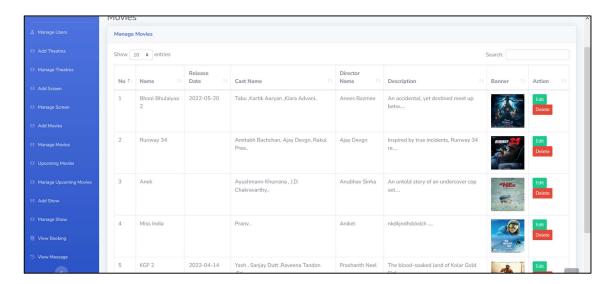## ❖ Admin Side Add Screen Page

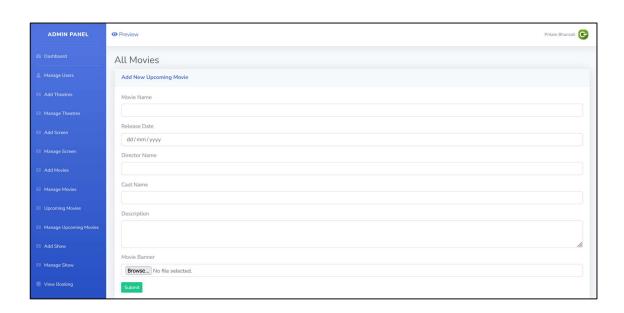## ❖ Admin Side Manage Screen Page

❖ Admin Side Add Movie Page
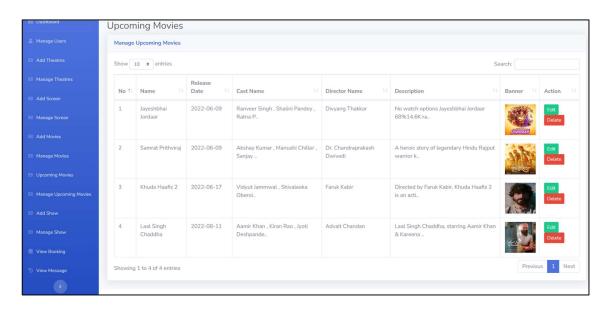
❖ **Admin Side Manage Movie Page**
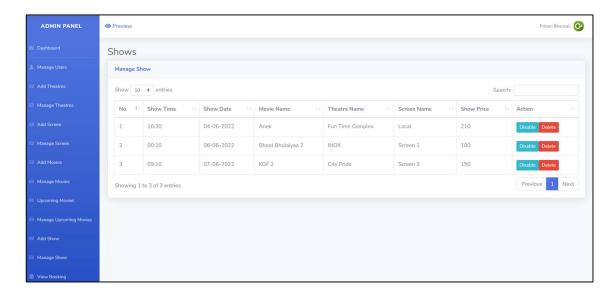

❖ **Admin Side Add Upcoming Movie Page**
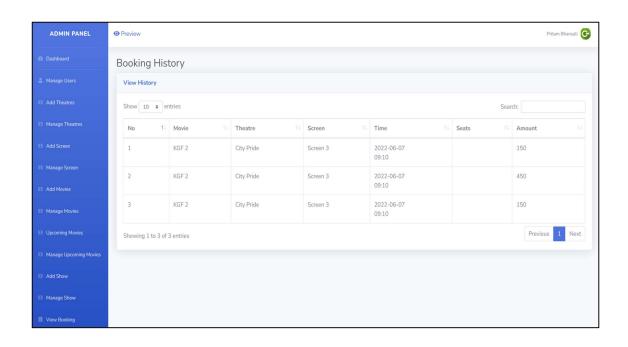
❖ Admin Side Manage Upcoming Movie Page
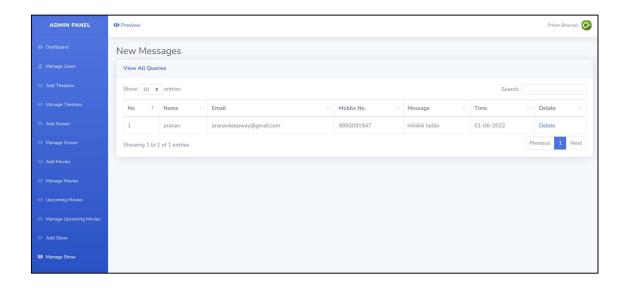

❖ Admin Side Add Show Movie Page

❖ Admin Side Manage Show Movie Page

❖ Admin side Booking View Page

❖ Admin side View Messages Page

ADMIN PANEL

👁 Preview   Pritam Bhansali ↻

- Dashboard
- Manage Users
- Add Theatres
- Manage Theatres
- Add Screen
- Manage Screen
- Add Movies
- Manage Movies
- Upcoming Movies
- Manage Upcoming Movies
- Add Show
- Manage Show

New Messages

View All Queries

Show 10 ⬍ entries   Search: [   ]

No	Name	Email	Mobile No.	Message	Time	Delete
1	pranav	pranavkeepway@gmail.com	9850091947	hiiiiiiiiii helllo	01-06-2022	Delete

Showing 1 to 1 of 1 entries   Previous 1 Next

Conclusion

Nowadays, traditional reservation ways of cinema ticketing are dying. It's new age where technology dominates human life. With the software and technological devices, exceptions are reduced and even terminated. Also, people prefer easy, quick and safe way for every part of his life. In our project: with this cinema ticketing system; cinema companies can satisfy comfortable facilities to their customers. The relationship between cinema manager, employee, and customer satisfies a good communication to complete ticketing process. With this platform we developed, we are hoping to reduce time wasting, avoid misunderstandings, provide easy data flow, customer pleasure, and less hard work. We believe that we have accomplished our goals and satisfied with the code we developed.

Future Scope

The system is used for all types of function like multiplex management, maintaining details of screens and movies, reserving tickets of movie and providing bill to user.

These are some facilities provided by this software but I would like to implement following things:

➢ Trying to improve design.

➢ Trying to add forgot password with OTP verification.

➢ Trying to add facility to transaction with bank.

➢ Trying to use voucher and discount coupons on ticket booking.

➢ Trying to provide email confirmation of reserved tickets to user.

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  o PHP Bible PHP manual
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THANK YOU