

***A Mini Project Synopsison***

**Online Movie Ticket's  
BookingSystem**

**S.E. - I.T Engineering**

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## **CERTIFICATE**

This to certify that the Mini Project report on **Online movie ticket's booking system** has been submitted by Shivam Gupta (20104110), Rupesh Mishra (20104100) Yashab Mahimi (20104026) and Meet Bohra (20104057) who are bona-fide students of A.P. Shah Institute of Technology, Thane, Mumbai, as a partial fulfilment of the requirement for the degree in **Information Technology**, during the academic year **2021-2022** in the satisfactory manner as per the curriculum laid down by University of Mumbai.

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## Chapter 1

### Introduction

This project is aimed at developing a ticket reservation system for Cinema Halls. The ticket reservation system is an internet based application that can be accessed by anyone who has an internet connection. This application will automate reservation of tickets and enquiries about the availability of seats. This application includes E- mail confirmation for tickets. It also has a in built transaction gateway which gives customers hassle free payment experience, as earlier the customer had to stand in a queue to get his/her movie ticket's as well as make payments to solve this problem we thought of making this movie ticketing system. The customer will also receive e- mail of his/her ticket's as well as receipts. We also reward people by giving certain rewards may it be cashbacks or some hampers which will also increase our brand loyalty. We want to provide customers with a good experience and resolving our customers issues hold up most value for us.

In case the customer wants to cancel his/her reservation he can do it by cancelling it directly from the app or can E-mail us at our customer service ID.

#### 1.1 Purpose:

The traditional way of booking the ticket for the movie is the customer needs to go to the specific theatre where the desired movie was playing and stand in long queue and buy the ticket which consumes a lot of time. To help the customer to avoid wasting time, book tickets and so look at the availability of the seats was our main purpose.

To give transparency to our customers we have an integrated payment gateway, thus providing our customers with hassle-free service. Customer can email us their issues which will be solved by us as soon as possible thus

giving up most satisfaction to our customers. If people wish to cancel the booking same can be done by our system as earlier customers couldn't do this. If a customer is having any doubt regarding anything they can email us that will be solved by our team. Customer can use his/her bank details google pay, Paytm and other transaction apps according to their convenience which provides hassle free transactions experience to our customers.

### **Objectives:**

- The main objective of the Projection Online movie ticket's booking system is to manage the details of upcoming movies, 'Now- playing movies', Seats availability, Transaction details, List of theatres where the movie is playing.
- It manages all the information about Theatre's, Transaction details and Seats availability
- The project is totally built at administrative end and thus only the administrator is guaranteed the access.
- The purpose of the project is to build an application program to reduce the manual work for managing the seats, transactions, now-playing movies and upcoming movies.
- It tracks all the details about the customer's login details, transaction details and grievances.
- Manage the information of booking.
- Manage the information of seats.
- Integrations of all records of shows.
- Editing, adding and updating of records is improved which results in proper resource management of seats data.
- Saving information about customer i.e. name, preferred location etc., so need to add the information again and again.

## Scope

It may help collecting perfect management in details. In a very short time, the collection will be obvious, simple and sensible. It will help a person to know public and critics reviews. It also helps in current all works relative to online movie ticket's booking system. It will reduce the cost of cash handling as everything is digitalized and collection procedure will go on smoothly.

Our project aims at Business process automation, i.e. we have tried to computerize various processes of Movie Ticketing.

- To save customer's valuable time
- In computer system, it is not necessary to create the manifest but we can directly print it, which saves our time.
- To assist the staff in capturing the effort spent on their respective working areas.
- To utilize resources in an efficient manner by increasing their productivity through automation.
- The system generates types of information that can be used for various purposes.
- It satisfies the user requirement
- Be easy to understand by the user and operator
- Be easy to operate
- Have a good user interface
- Be expandable
- Giving customers certain rewards thus increasing loyalty of customers towards us.
- Customers can make transactions online via their bank or any other UPI app
- To assist and help customers to help them solve their issues/doubts.
- To give them complete information regarding the movie i.e. locations' time etc

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## Chapter 2

### Problem Definition

The old manual system was suffering from a series of drawbacks. Since whole of the system was to be maintained with hands the process of keeping, maintaining and retrieving the information was very tedious and lengthy. The records were never used to be in a systematic order. There used to be lots of difficulties in associating any particular transaction with a particular context. There would always be unnecessary consumption of time.

The reason behind it is that there is lot of information to be maintained and have to be kept in mind while running the business. For this reason we have provided features. Present system is partially automated (computerized), actually existing system is quite laborious. Thus giving customers and the theatre administrator's value for their time.

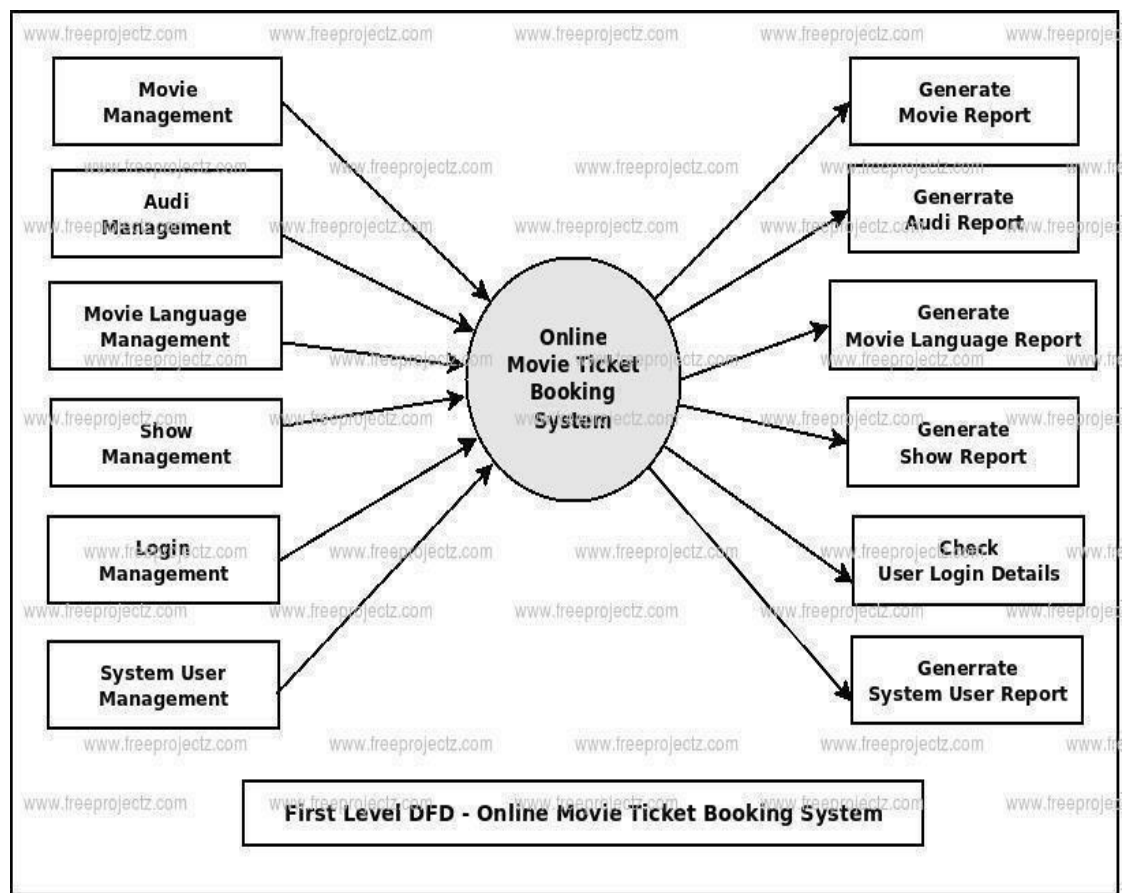
## Chapter 3

### 3. Proposed System:

The aim of proposed system is to develop a system of improved facilities. The proposed system can overcome all the limitations of the existing system. The system provides proper security and reduces the manual work.

- **Security of data.**  
We understand the word of data security hence we have made it in a way that the customer data will be safe from unauthorised access and data corruption is prohibited
- **Ensure data accuracy's.**  
To ensure data accuracy we have made it fully password protected which can only be accessed by the respected user no one can else see the data of other customers
- **Proper control of the higher officials.**  
As we know customer get frustrated if he had stuck somewhere while doing online shopping . Especially while doing the payment hence we have make sure that he doesn't have to face this issue.
- **Minimize manual data entry.**  
In this on going generation everything is fast and people want their task should be done within a minute. But if they have to fill the same details everywhere they just get fed up of it and even may leave the page so we have minimize the data entry everywhere and make it customer friendly.
- **Minimum time needed for the various processing.**  
As people want everything with a second and as fast as possible making them wait for the long time make them least interest on the selected things so we have made it as fast as the customer needs.
- **Greater efficiency.**  
As we know increase in technology has made various options for customer they will only opt where they find great efficiency and easy tasking.





-Fig3.1

### 3.2 Features and Functionality:

#### Modules:

□ Transaction Module: Used for managing the details of Transaction's made by customer.

□ Record Module: Used for managing the details of Record

□ Management Module: Used for managing the information and details of the

Upcoming/ running movies.

□ Seats Module: Used for managing the Seats details □

Login Module: Used for managing the login details

Users Module: Used for managing the users of the system

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### Input Data and Validation for Movie ticketing:

- All the fields such as Firstname, Lastname, Username and E-mail are validated and does not take invalid values.

- Username, E-mail id, Number of seats to be booked cannot accept blank value fields

- Avoiding errors in data

- Controlling amount of input

- Integration of all the modules in the system. □

Recording of all the reproduced errors.

- Prepared the test result scripts after rectification of the errors. □

Functionality of the entire module.

- Validations for user input.

- Checking of the Coding standards to be maintained during coding. □ Testing the module with all the possible test data.

- Testing of the functionality involving all type of calculation etc.

- Commenting standard in the source files.

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## Chapter 4

### Project Outcome:

- Administrator has to login to access the system.
- He can add, update or delete details of customers.
- He can search for customers on the basis of their username or E-mail id.
- He can keep an update on available seats and can increase or decrease whenever needed.
- Provides these searching facilities based on various factors. Such as Movie name, Actor name, Director Name, Production unit.
- The movie ticketing system also manages the record details online for availability of seats, Login id details, Transaction details.
- It tracks all the information of transaction of customers, seats availability, User name etc.
- Manage the information and location of customer.
- Shows the information and description of the upcoming and running movies. To increase efficiency of managing.
- It deals with monitoring the information and transaction of transaction.
- Editing, adding and updating of records is improved which results in proper resource management.

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## Chapter 5

### Software Requirements:

Front End: -Java(JavaFx).

Back End: -MYSQL.

## Chapter 6

### Project Design:

In this phase, a logical system is built which fulfils the given requirements. Design phase of software development deals with transforming the client's requirements into a logically working system. Normally, design is performed in the following in the following two steps:

#### 1. PrimaryDesignPhase:

In this phase, the system is designed at block level. The blocks are created on the basis of analysis done in the problem identification phase. Different blocks are created for different functions emphasis is put on minimizing the information flow between blocks. Thus, all activities which require more interaction are kept in one block.

#### 2. SecondaryDesignPhase:

In the secondary phase the detailed design of every block is performed.

**The general tasks involved in the design process are the following:**

1. Design various blocks for overall system processes.
2. Design smaller, compact and workable modules in each block.
3. Design various database structures.
4. Specify details of programs to achieve desired functionality.
5. Design the form of inputs, and output of the system.
6. Perform documentation of the design.
7. System reviews.

## User Interface Design

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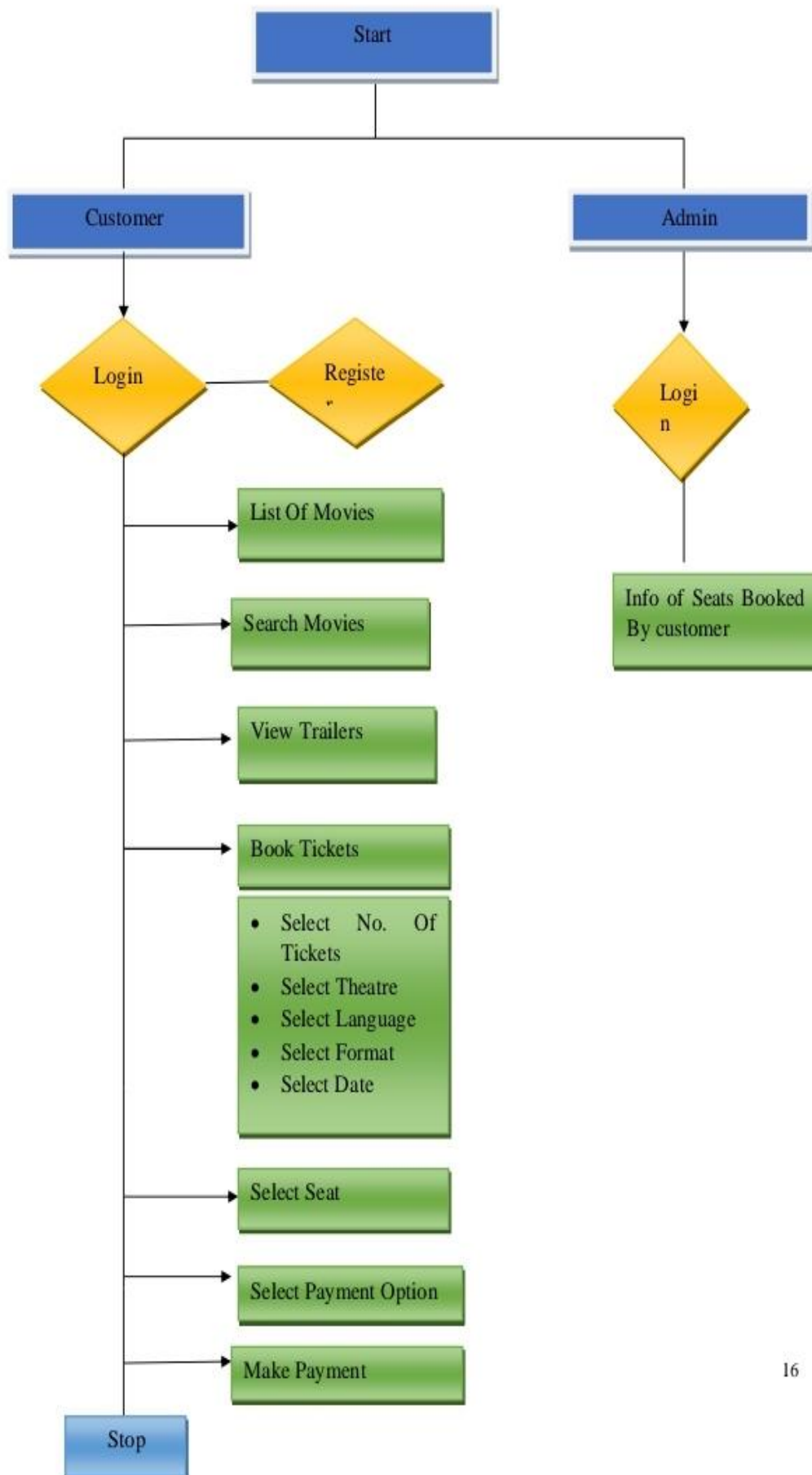
User Interface Design is concerned with the dialogue between a user and the computer. It is concerned with everything from starting the system or logging into the system to the eventual presentation of desired inputs and outputs. The overall flow of screens and messages is called a dialogue.

The following steps are various guidelines for User Interface Design:

1. The system users should always be aware of what to do next.
2. The screens should be formatted so that various types of information, instructions and messages always appear in the same general display area.
3. Message, instructions or information should be displayed long enough to allow the system user to read them.
4. Use display attributes sparingly.
5. Default values for fields and answers to be entered by the users should be specified.
6. Users should not be allowed to proceed without correcting an error.
7. The system users should never get an operating system message or fatal error.

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## Project Design:





Quit LOGIN Admin Login

Email

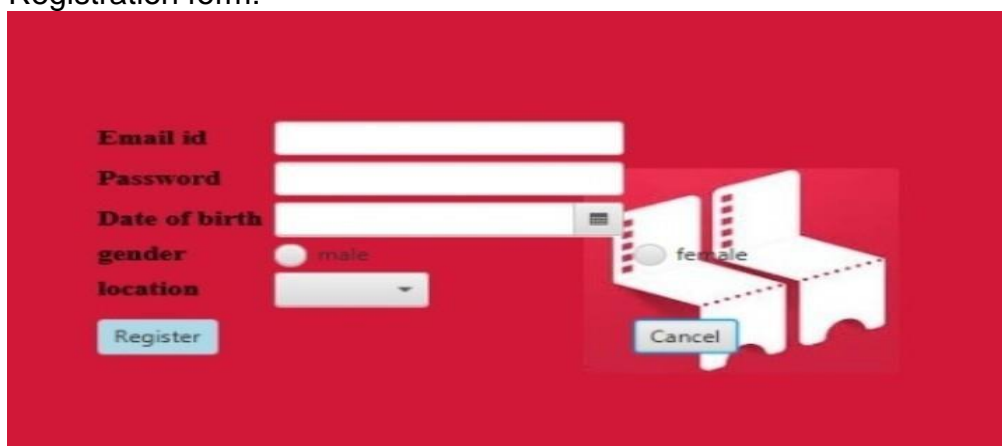
Password

Submit Cancel

New User? [CLICK HERE to register](#)

This is a user login form on a red background. It features a 'Quit' button on the top left, a large 'LOGIN' title in the center, and an 'Admin Login' button on the top right. Below the title are two input fields for 'Email' and 'Password'. At the bottom left, there is a 'New User?' link that says 'CLICK HERE to register'. In the center, there are 'Submit' and 'Cancel' buttons. A 3D white chair is positioned on the right side of the form.

Registration form:-



Email id

Password

Date of birth

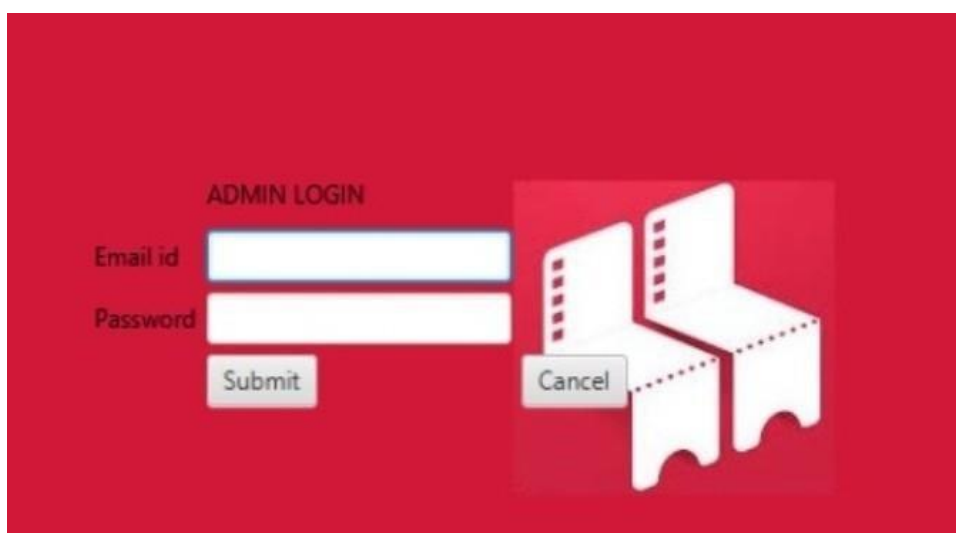
gender ☐ male ☐ female

location

Register Cancel

This is a registration form on a red background. It includes input fields for 'Email id', 'Password', 'Date of birth', and 'location'. There are two radio buttons for 'gender', labeled 'male' and 'female'. At the bottom left is a 'Register' button, and at the bottom right is a 'Cancel' button. A 3D white chair is positioned on the right side of the form.

Admin form:-



ADMIN LOGIN

Email id

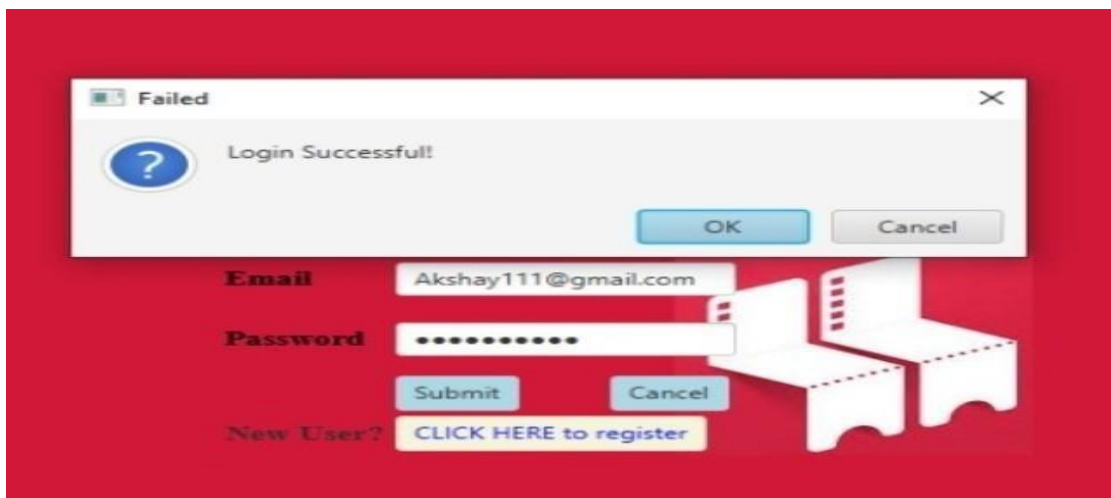
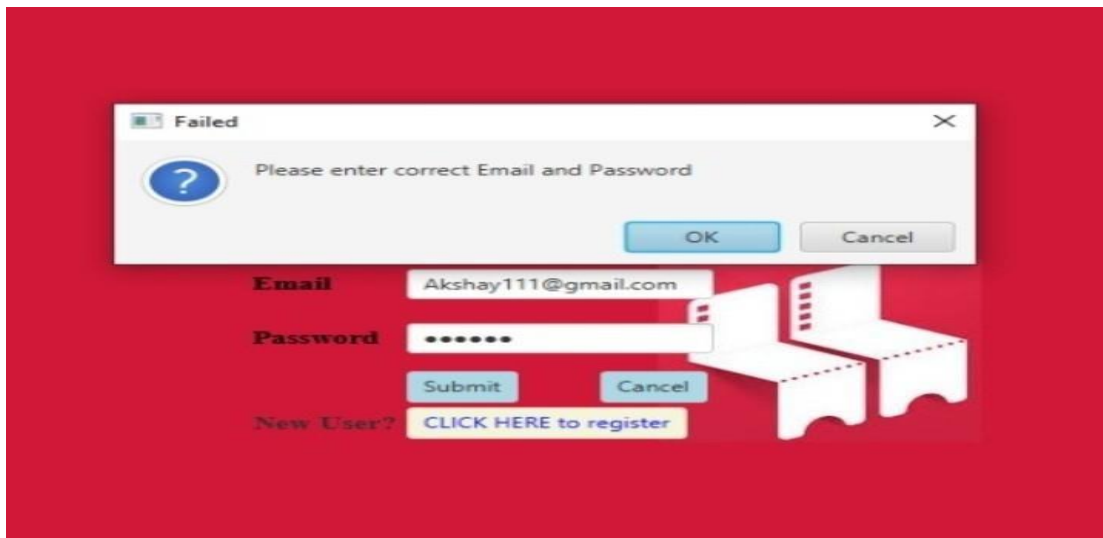
Password

Submit Cancel

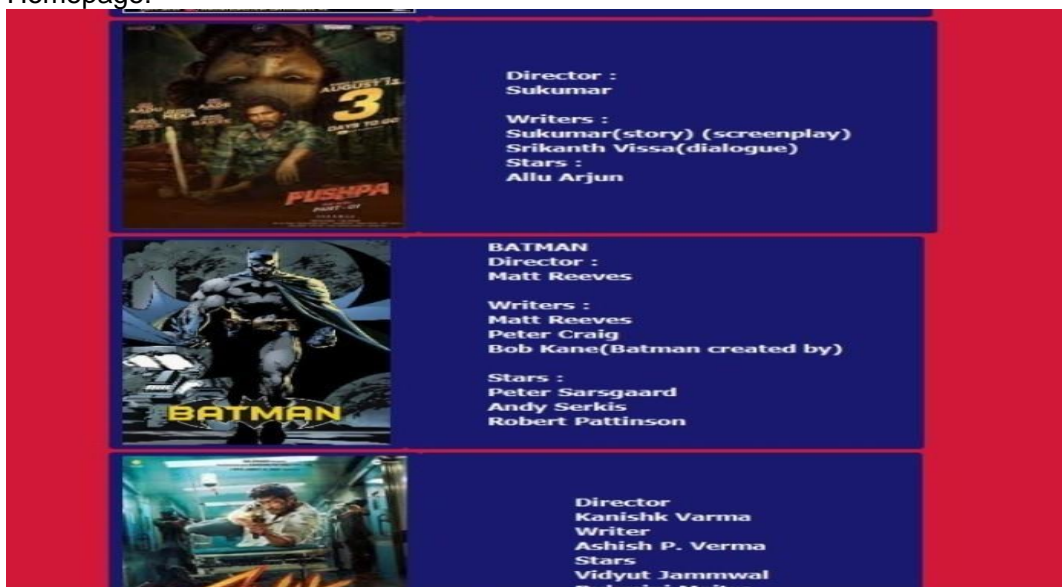
This is an admin login form on a red background. It features the title 'ADMIN LOGIN' at the top. Below it are two input fields for 'Email id' and 'Password'. At the bottom, there are 'Submit' and 'Cancel' buttons. A 3D white chair is positioned on the right side of the form.



Password verification:-




Homepage:-



**Sooryavanshi**  
Sooryavanshi is an upcoming Indian Hindi-language action film directed by Rohit Shetty and produced by Reliance Entertainment, Rohit Shetty Picturez, Dharma Productions and Cape of Good Films, based on a script by Yunus Sajawal, Farhad Samji, Sanchit Bendre and Vidhi Ghodgadkar and an original story by Shetty.

**Sanak**  
Vivaan, an MMA trainer admits his wife Anshika in a hospital subsequently a terrorist gang infiltrate into the hospital to bring Ajay Pal Singh, kingpin of Arms dealer. Anshika and others became entrapped in a hostage situation. Vivaan enters in the hospital with the help of a guard and kills single-handedly all the terrorist before the commandos enters.

Superman  
An alien orphan is sent from his dying planet to Earth, where he grows up to become his adoptive home's first and greatest superhero. *Superman* (stylized as *Superman: The Movie*) is a 1978 superhero film directed by Richard Donner, supervised by Alexander and Ilya Salkind, produced by their partner Pierre Spengler, written by Mario Puzo, David Newman, Leslie Newman, and Robert Benton from a story by Puzo based on the DC Comics character of the same name.



**LIKEWAP**

# Sooryavanashi

Sooryavanashi is an upcoming Indian Hindi-language action film directed by Rohit Shetty and produced by Reliance Entertainment, Rohit Shetty Picturez, Dharma Productions and Cape of Good Films, based on a script by Yunus Sajawal, Farhad Samji, Sanchit Bendre and Vidhi Ghodgadkar and an original story by Shetty.

BOOK TICKETS

Choose the theatre: Carnival Cinema - Annex m...

Choose the Language: Hindi

Choose the format: 3D

Choose the date: 12/1/2021

☐ Card
 ☒ Google Pay , PayTM ,PhonePe
 ☐ UPI

Payment Mode selected is Google Pay , PayTM ,PhonePe

Select Seats:-

### Multiplex Theatre Showing Screen 1

	SCREEN									
1	1	2	3	4	5	6	7	8	9	10
2	1	2	3	4	5	6	7	8	9	10
3										
4	1	2	3	4	5	6	7	8		
5	1	2	3	4	5	6	7	8	9	10
6	1	2	3	4	5	6	7	8	9	10
7	1	2	3	4	5	6	7	8	9	10
8	1	2	3	4	5	6	7	8	9	10
9	1	2	3	4	5	6	7	8	9	10
10			3	4	5	6	7	8		

Movie : Movie  
 Time : August 12, 10:30  
 Tickets : 2  
 Total : Rupees 240  
 Seats : r4c4 r4c5

☐ Available  
☒ Sold  
☒ Selected

< Back

Total Payable Amount : 240

Total Seats Selected : 2

Enter Your Mobile Number :

Enter Your "Username @upi" :

# Project SchedulingTemplate

Sr. No	Group Member	Time duration	Work to be done
<b>1</b>          <b>2</b>	Yashab Mahimi	1 <sup>st</sup> week of October	Implementing Part of Registration Page, part of Home page , Payment Gateway(All payment Pages),DescriptionPage , Customer Login Page, Connecting Pages,Debugging, compilation and runningof code and solving errorsif any.
	Meet Bohra	2 <sup>nd</sup> week of October	PartofRegistration page, part of Home page, Admin Login Page & Debugging, compilation and running of code and solving error's if any.

<b><u>3</u></b>	Rupesh Mishra	3 <sup>rd</sup> week of October	part of cascading style sheets & Debugging, Compilation and running code and solving error's if any.
<b><u>4</u></b>	Shivam Gupta	1 <sup>st</sup> week of November	Connection of Database, part of cascading style sheets, SeatselectionPage & Debugging, compilation and running of code and solving error's if any.

## Chapter 8

### Conclusion:

Our project is only a humble venture to satisfy the needs to manage their project work. Several user friendly coding have also adopted. This package shall prove to be a powerful package in satisfying all the requirements of the school. The objective of software planning is to provide a frame work that enables the manger to make reasonable estimates made within a limited time frame at the beginning of the software project and should be updated regularly as the project progresses.

### **At the end it is concluded that we have made effort on following points...**

- A description of the background and context of the project and its relation to work already done in the area.
- Made statement of the aims and objectives of the project.
- The description of Purpose, Scope, and applicability.
- We define the problem on which we are working in the project.
- We describe the requirement Specification of the system and the actions that can be done on these things.
- We understand the problem domain and produce a model of the system, which describes operations that can be performed on the system.
- We included features and operations in detail, including screen layouts.
- We designed user interface and security issues related to system.
- Finally the system is implemented and tested according to test cases.

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