



Inspiring Excellence

CSE370 : Database Systems
Project Report
Project Title : CineFlix Movie Ticketing Site

Group No : _7_, CSE370 Lab Section : 13__, Spring 2024		
ID	Name	Contribution
21201356	Yamin Adnan	Database, Homepage, Booking, Payment, Theatre Assistant Panel, Frontend, Backend
22101229	Aparup Chowdhury	Database, Homepage, Login, Registration, Theatre Assistant Panel, Frontend, Backend
21201031	Maisha Fairouz	Admin Panel, Frontend, Backend
21301290	Ashrafun Nahar Kakon	Theater Assistant Panel, Frontend, Backend
21301514	Mysha Islam	Theater Assistant Panel, Frontend, Backend

Table of Contents

Section No	Content	Page No
1	Introduction	3
2	Project Features	4
3	ER/EER Diagram	5
4	Schema Diagram	6
5	Frontend Development	7-8
6	Backend Development	9-17
7	Source Code Repository	18
8	Conclusion	18-19
9	References	19

Introduction

CineFlix Movies is an e-ticketing platform that transforms the movie-watching experience by embracing the digital age. The streamlined interface allows users to effortlessly book movie tickets with just a few clicks. With 24/7 access, it accommodates moviegoers' schedules, providing the flexibility to plan movie plans from any location. *CineFlix* also empowers users with intuitive seat selection, enabling them to choose their preferred spots in the preferred halls. Real-time updates on showtimes, last-minute changes, and coupled with timely reminders, ensure that users stay informed and never miss the excitement of their eagerly anticipated movies. *CineFlix* goes beyond being a ticketing site; it makes it easy to buy tickets and enjoy their shows.

Technology Stack:

1. Database: MySQL
2. Backend: PHP
3. Frontend: HTML, CSS, JavaScript
4. Optional libraries: Bootstrap, etc

Project Features

Effortless Booking in a Single Click:

CineFlix allows you to book movie tickets quickly and easily with just a few clicks. Our user-friendly interface ensures a quick and stress-free booking process.

Access from anywhere, at any time:

CineFlix' ticketing system is open 24 hours a day, seven days a week. You may use our platform from the comfort of your own home, office, or while on the go, ensuring that your movie plans are in sync with your lifestyle.

Instant gratification using e-tickets:

There will be no more standing in line or printing physical tickets. *CineFlix* offers e-tickets that you can effortlessly save on your mobile device.

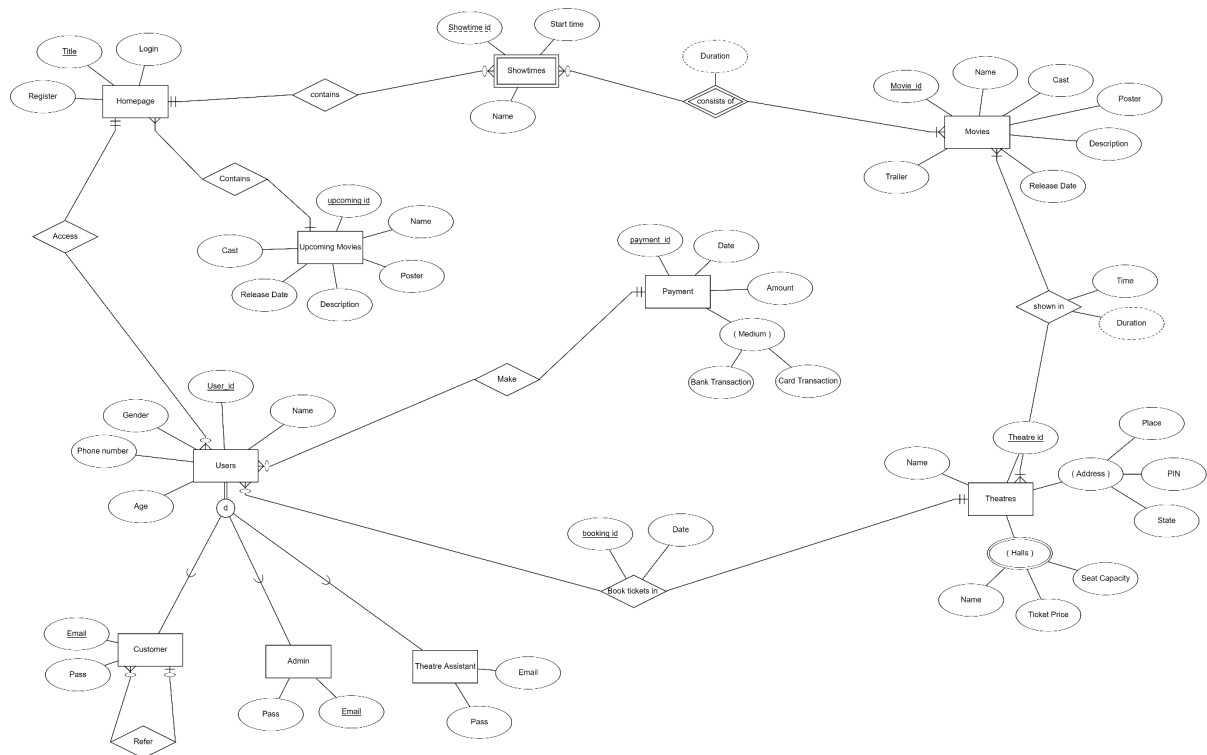
Hall Selection at Your Fingertips:

Take control of your movie experience by choosing your preferred seats in advance. Our intuitive seat selection feature lets you pick the perfect spot in the auditorium, ensuring that your movie night is tailored to your liking.

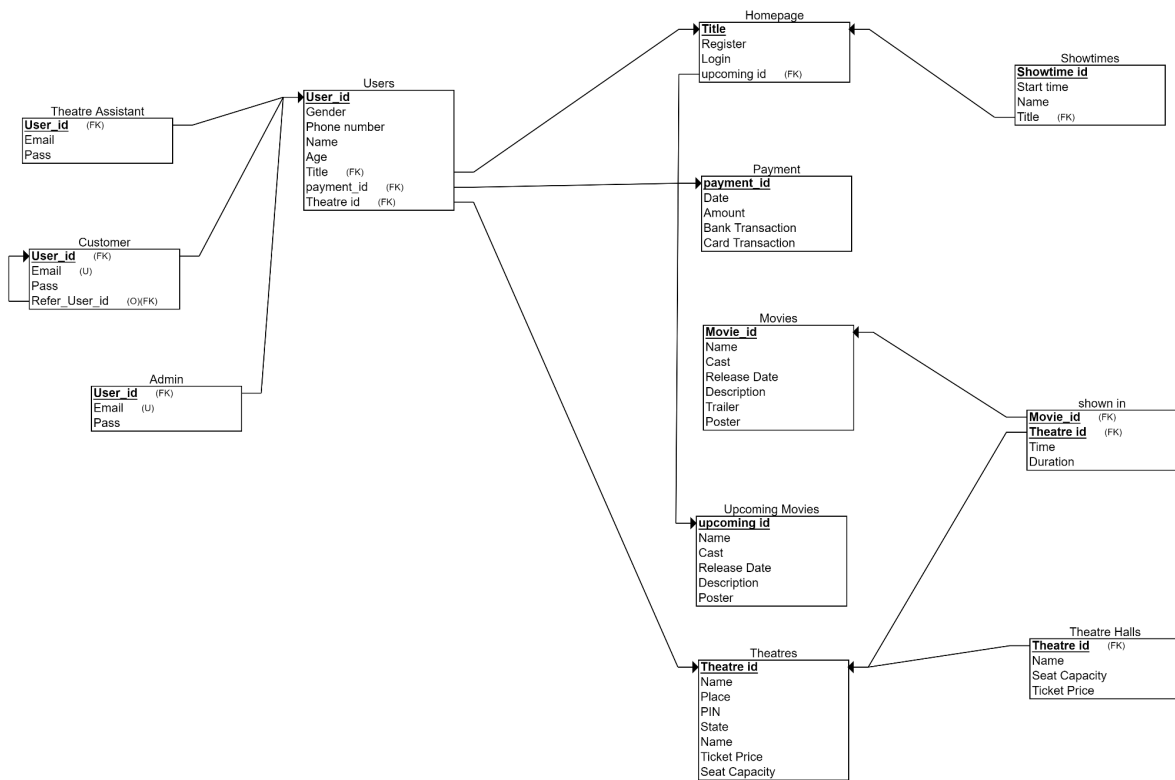
Real-Time Updates:

Stay informed with real-time updates on showtimes, last-minute changes, and exclusive promotions. *CineFlix* also sends timely reminders, ensuring you never miss the opening scene of your eagerly anticipated movie.

ER/EER Diagram



Schema Diagram

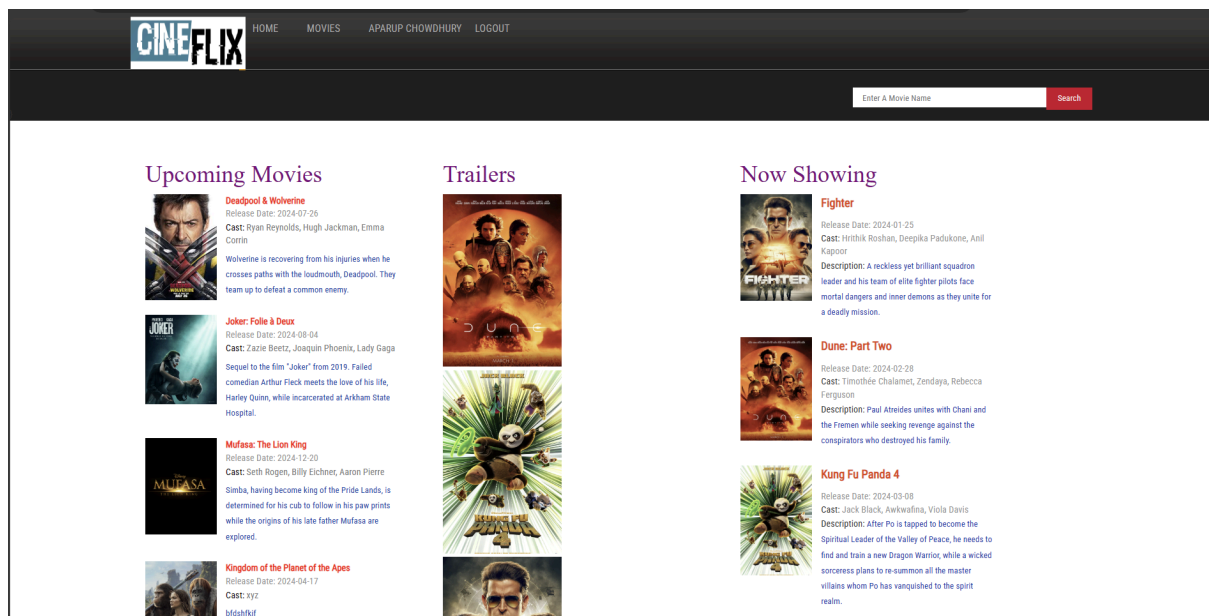


Frontend Development

Briefly discuss about Frontend Development and add Screenshots by mentioning Individual Contributions

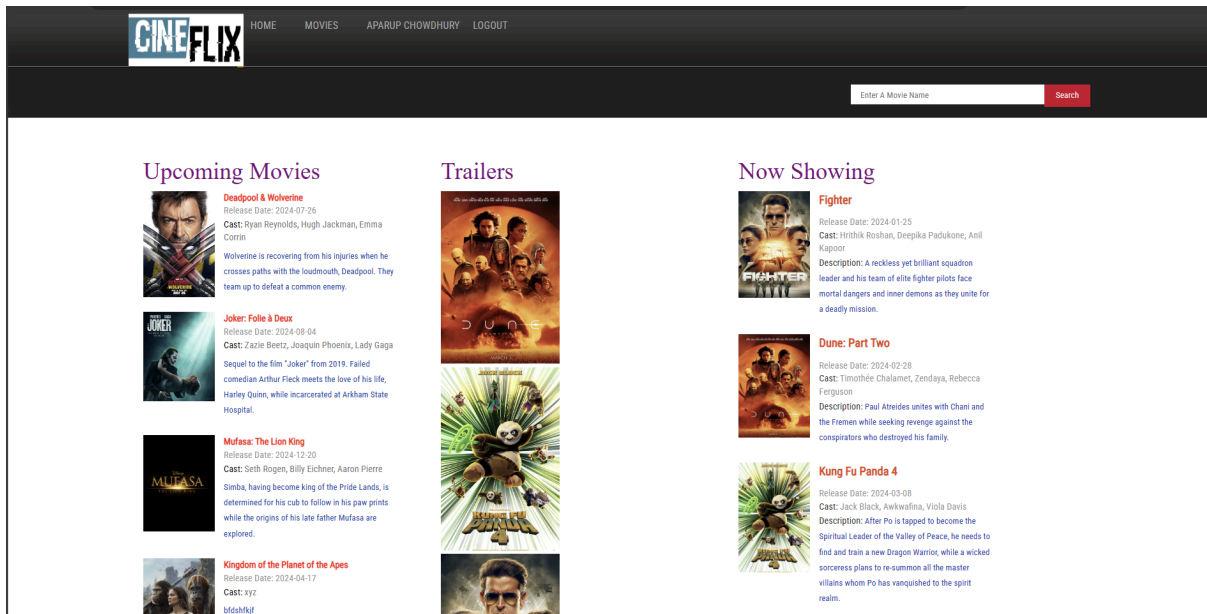
Contribution of ID : 21201356, Name : Yamin Adnan

I have mainly worked in the front-end development segment on this website. Home page is done with *HTML, CSS, JavaScript and Bootstrap*. I have used *templates from Bootstrap* to build the header and footer file.



Contribution of ID : 22101229, Name : Aparup Chowdhury

I have mainly worked in the front-end development segment on this website. Home page is done with *HTML, CSS, JavaScript and Bootstrap*. I have used *templates from Bootstrap* to build the header and footer file.



Contribution of ID : 21201031 , Name : Maisha Fairooz

I have mainly worked in the front-end development segment on this website. Home page is done with *HTML, CSS, JavaScript and Bootstrap*. I have used *templates from Bootstrap* to build the header and footer file.

Contribution of ID : 21301290, Name : Ashrafun Nahar Kakon

Contribution of ID : 21301514, Name : Mysha Islam

Backend Development

Briefly discuss about Backend Development and add Screenshots by mentioning Individual Contributions

Contribution of ID : 21201356, Name : Yamin Adnan

We have mainly worked in the Backend development segment of the User Panel (Booking, Payment, Banking, Profile Info) and a few parts of Theatre Assistant Panel (Add Show, Theatre Details). The backend code was written using *PHP*.

The screenshot displays the CINEFLIX website interface. At the top, there is a dark navigation bar with the CINEFLIX logo on the left and links for HOME, MOVIES, YAMIN ADNAN, and LOGOUT on the right. Below the navigation bar is a search bar with the placeholder text "Enter A Movie Name" and a red "Search" button. The main content area is white and features the word "Payment" in orange text on the left. In the center, there is a payment form with the following fields: "Name on Card", "Card Number", "Expiration date" (with a calendar icon), and "CVV". A green "Make Payment" button is located at the bottom of the form. The footer is dark and contains the CINEFLIX logo on the left, contact information in the center, and a list of links (About us, Terms and condition, Privacy Policy, Refund and Return Policy) on the right.

CINEFLIX HOME MOVIES YAMIN ADNAN LOGOUT

Enter A Movie Name Search

Payment

Name on Card

Card Number

Expiration date

mm/dd/yyyy

CVV

Make Payment

CINEFLIX

For further information contact us:
Phone Number: +880124242424
Email address: cineflix@gmail.com
Follow us on:
f i

About us
Terms and condition
Privacy Policy
Refund and Return Policy

Cineflix Movies
Kha 224 Sir Uttarain Railway Station Avenue, Miral Badda, Dhaka

BOOKING HISTORY

Success!Bookings Done!

Booking Id	Movie	Theatre	Screen	Show	Seats	Amount	
BKID7004166	Oppenheimer	Silver Screen	Royal Recliner	Evening	1	800 BDT	Cancel



Cast : Cillian Murphy, Emily Blunt, Matt Damon

Release Date : 21-Jul-2023

The story of American scientist J. Robert Oppenheimer and his role in the development of the atomic bomb.

Watch Trailer

Theatre	Silver Screen, CDA Avenue, East Nasirabad
Screen	Royal Recliner
Date	24-Apr-2024
Show Time	04:30 PM Evening Show
Number of Seats	1
Amount	800 BDT
Book Now	

Now Showing

Kung Fu Panda 4
Release Date: 2024-03-08
Cast: Jack Black, Awkwafina, Viola Davis
Description: After Po is tapped to become the Spiritual Leader of the Valley of Peace, he needs to find and train a new Dragon Warrior, while a wicked sorceress plans to re-summon all the master villains whom Po has vanquished to the spirit realm.

Dune: Part Two
Release Date: 2024-02-28
Cast: Timoth  e Chalamet, Zendaya, Rebecca Fergusson
Description: Paul Atreides unites with Chani and the Fremen while seeking revenge against the conspirators who destroyed his family.

Oppenheimer
Release Date: 2023-07-21
Cast: Cillian Murphy, Emily Blunt, Matt Damon
Description: The story of American scientist J. Robert Oppenheimer and his role in the development of the atomic bomb.

Kung Fu Panda 4
Release Date: 2024-03-08
Cast: Jack Black, Awkwafina, Viola Davis
Description: After Po is tapped to become the Spiritual Leader of the Valley of Peace, he needs to find and train a new Dragon Warrior, while a wicked sorceress plans to re-summon all the master villains whom Po has vanquished to the spirit realm.

Fighter
Release Date: 2024-01-25
Cast: Vignesh Sheshu, Deepika Padukone, Anil Kapoor
Description: A reckless yet brilliant squadron leader and his team of elite fighter pilots face mortal dangers and inner demons as they unite for a deadly mission.

Dune: Part Two
Release Date: 2024-02-28
Cast: Timoth  e Chalamet, Zendaya, Rebecca Fergusson
Description: Paul Atreides unites with Chani and the Fremen while seeking revenge against the conspirators who destroyed his family.

Contribution of ID :22101229, Name : Aparup Chowdhury

We have mainly worked in the Backend development segment of the User Panel (Login, Registration, Available Showtimes) and a few parts of Theatre Assistant Panel (Add Show, Theatre Details). The backend code was written using *PHP*.

Login

Sign in to start your session

Login

New Here? [Register](#)

Theatre Assistant

Star CineFlix
Online

Home
Add Movie
View Movies
Add Show
Todays Shows
Todays Bookings
View Show
Theatre Details

Theater Details

Home
Theater Details

General Details

Theater Name	Star CineFlix
Theater Address	Bashundhara Shopping Complex
Place	Panthapath
State	Dhaka
Pin	1216

Screen Details


Sino	Screen Name	Seats	Charge	Show Time	
1	Classic	100	350	12:00 pm ,06:00 pm ,09:00 am ,12:30 pm ,	<div>+ Add Screen</div> <div>+ Add Show Times</div>
2	Prestige Lounge	150	500	01:00 pm ,08:00 pm ,06:30 pm ,02:00 pm ,	<div>+ Add Screen</div> <div>+ Add Show Times</div>

12


Theatre Assistant Theatre Panel

Please login to start your session

<input type="text" value="theatre"/>	
<input type="password" value="*****"/>	
<input type="button" value="Login"/>	

[HOME](#) [MOVIES](#) [LOGIN](#) [REGISTER](#)

Register



Cineflix Movies



Rua 224 80 Urban Railroad Ipiranga Avenue, Merit Badda, Dhaka

For further information contact us:

Phone Number: +8801824242424

Email address: cineflix@gmail.com

Follow us on:

About us

[Terms and condition](#)

[Privacy Policy](#)

[Refund and Return Policy](#)

The screenshot displays the 'Theatre Assistant' admin interface. On the left is a dark sidebar with navigation links: Home, Add Movie, View Movies, Add Show, Today's Shows, Today's Bookings, View Show, and Theatre Details. The main content area is titled 'Add Movie' and contains several input fields: 'Movie Name', 'Cast', 'Description', 'Release Date' (with a date picker), 'Image' (with a 'Choose File' button), and 'Trailer Youtube Link'. A green 'Add Movie' button is at the bottom of the form.

Contribution of ID :21201031, Name : Maisha Fairouz

We have mainly worked in the Backend development of the Admin Panel. In the Admin page, we have mainly three segments: Home, Add Theater and Upcoming Movies on the website. The backend code was written using *PHP*

The screenshot shows a login page for the 'Website Admin Panel'. The page has a light purple background. In the center, there is a white login box with the text 'Please login to start your session'. Below this text are two input fields: one for the username 'admin' and another for the password, represented by asterisks. A red 'Login' button is positioned below the password field.

The screenshot shows the 'Add Upcoming Movie News' form in the CineFlix Admin dashboard. The form includes fields for Movie name, Cast, Release Date (with a date picker), Description, and Images (with a 'Choose File' button). A green 'Add News' button is at the bottom.

CineFlix Admin Admin

Administrator Online

Home < Add Theatre < Upcoming Movie News <

Add Upcoming Movie News Home > Add Movies News

Movie name

Cast

Release Date

mm/dd/yyyy

Description

Images

Choose File No file chosen

Add News

The screenshot shows the 'Add Theatre' form in the CineFlix Admin dashboard. The form includes fields for Theatre Name, Theatre Address, Place, State, Pin Code, Username, and Password. A green 'Add Theatre' button is at the bottom.

CineFlix Admin Admin

Administrator Online

Home < Add Theatre < Upcoming Movie News <

Add Theatre Home > Add Theatre

Theatre Name

Theatre Address

Place

State

State

Pin Code

Zip code

Username

THR306920

Password

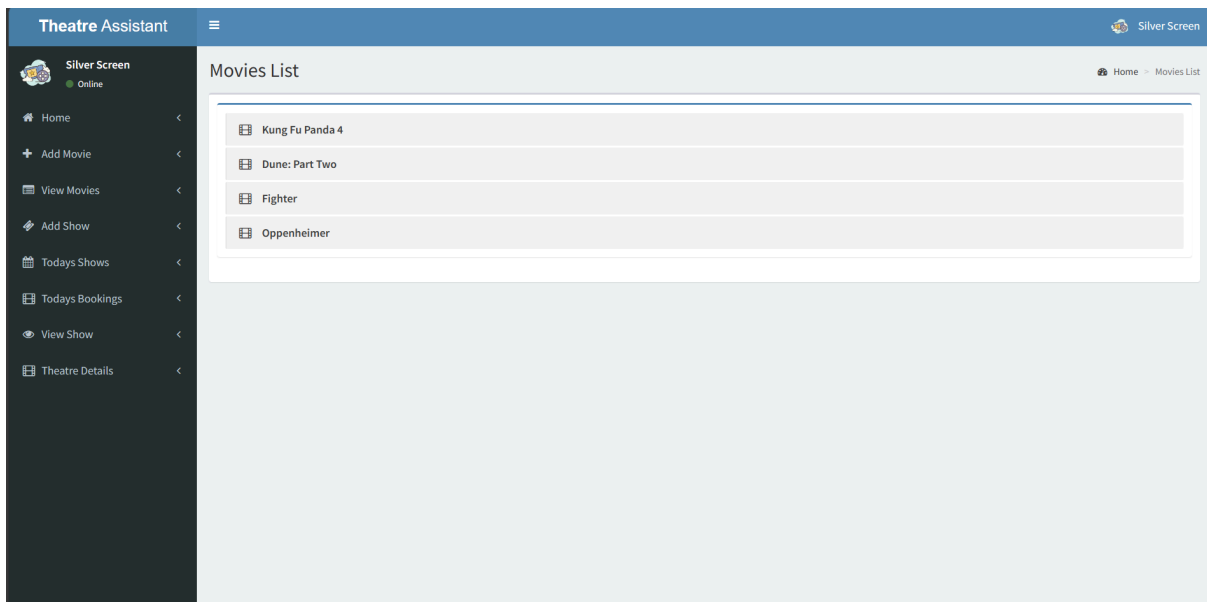
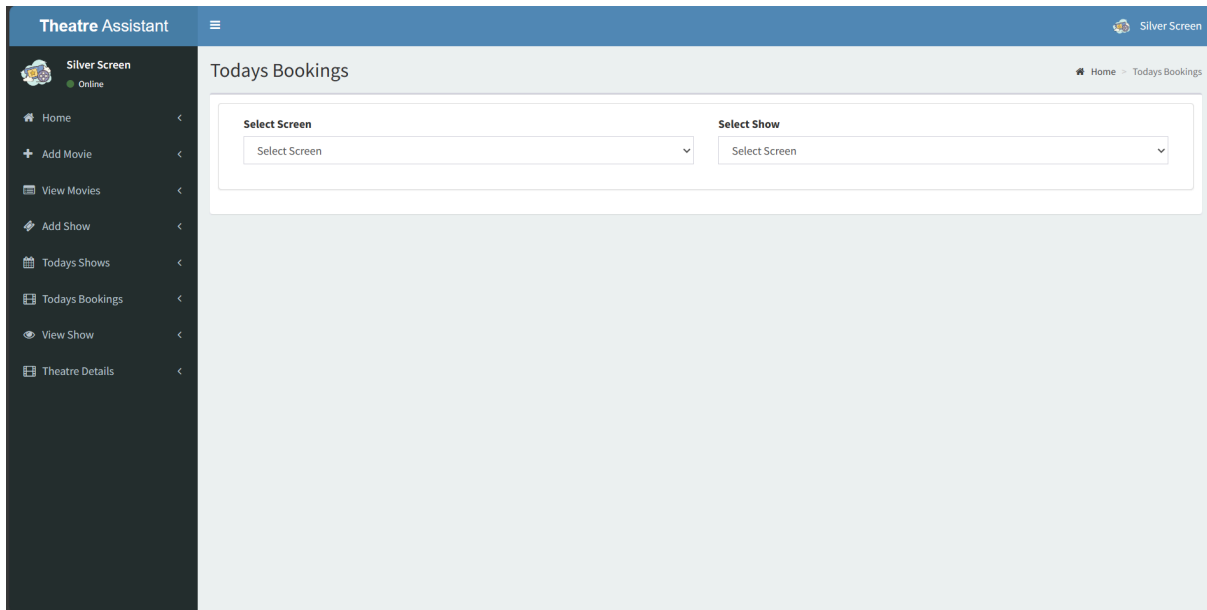
PWD967294

Add Theatre

localhost/cineflix/admin/pages/index.php

Contribution of ID :21301290, Name : Ashrafun Nahar Kakon

We have mainly worked in the Backend development of the Theater Panel. The backend code was written using *PHP*



Contribution of ID : 21301514, Name : Mysha Islam

We have mainly worked in the Backend development of the Theatre Panel. The backend code was written using *PHP*

Theatre Assistant

Silver Screen

Online

Home

Add Movie

View Movies

Add Show

Today's Shows

Today's Bookings

View Show

Theatre Details

Today's Shows

Available Shows

SL.no	Screen	Show Time	Movie
1	Royal Recliner	05:00 PM (Evening Show)	Fighter

Theatre Assistant

Silver Screen

Online

Home

Add Movie

View Movies

Add Show

Today's Shows

Today's Bookings

View Show

Theatre Details

Theatre Assistance

Running Movies

No	Show Time	Screen	Movie
1	Elite Escapade	19:30:00(Evening)	Dune: Part Two
2	Royal Recliner	16:30:00(Evening)	Oppenheimer
3	Royal Recliner	17:00:00(Evening)	Fighter
4	Royal Recliner	16:00:00(Evening)	

Warning: Trying to access array offset on value of type null in C:\xampp\htdocs\cinemflix\theatre\pages\index.php on line 55

Source Code Repository

Upload source code to GitHub or Google Drive and share a publicly accessible link in this section of the report.

 **cineflix**

Conclusion

Our project CineFlix was made on the basis of the learning we achieved in the course CSE370. This project has shown a proper visualization of our knowledge about databases using MySQL and XAMPP. Moreover, the backend codes were written with PHP. CineFlix makes good use of PHP features such as data models, views and templates, resulting in a robust and scalable web page.

Achievements:

- CineFlix is a movie ticketing website with all the modern and advanced features including ticket booking in an easier way.
- We have made the best use of databases in this project which was taught in this course.
- Moreover, we have learnt the basics of other languages to write the backend and frontend codes.
- We have learnt about the templates from Bootstrap which makes it easier to build the website.

Future scopes:

- We could not add proper validations in a few cases. This website can be upgraded if we can add validations while registering new profiles and bank payment to enhance security.

- We could add different locations for the halls. Only one location was active in the whole project. So, in future, this feature could be updated to a movie ticketing site with multiple locations.

References

General E-commerce Website Development Resources:

- Java Script validation:
https://www.w3schools.com/js/js_validation.asp
- HTML Forms:
https://www.w3schools.com/html/html_forms.asp

Additional Resources:

- JavaScriptDocumentation: <https://www.w3schools.com/jsrEF/default.asp>
- Bootstrap Documentation: <https://getbootstrap.com/>

Libraries:

- <https://ajax.googleapis.com/ajax/libs/jquery/3.2.1/jquery.min.js>
- https://www.dreamtemplate.com/dreamcodes/tabs/css/tsc_tabs.css
- <https://maxcdn.bootstrapcdn.com/bootstrap/3.3.7/js/bootstrap.min.js>