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Module Code: **PUSL2024**

Module Name: **SOFTWARE ENGINEERING 02 (22/AU/M)**

Coursework Title: **Coursework Report 2022-2023**

Deadline Date: **16th of January
2023**

Member of staff responsible for coursework: **Mr. Pramudya
Thilakaratne**

Programme: **BSC(HONS) SOFTWARE ENGINEERING**

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Group work: please list all names of all participants formally associated with this work and state whether the work was undertaken alone or as part of a team. Please note you may be required to identify individual responsibility for component parts.

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Nanayakkarawasam sandakalum	10820824	Inura

We confirm that we have read and understood the Plymouth University regulations relating to Assessment Offences and that we are aware of the possible penalties for any breach of these regulations. We confirm that this is the independent work of the group.

Signed on behalf of the group: Manul

Individual assignment: ***I confirm that I have read and understood the Plymouth University regulations relating to Assessment Offences and that I am aware of the possible penalties for any breach of these regulations. I confirm that this is my own independent work.***

Signed :

Use of translation software: failure to declare that translation software or a similar writing aid has been used will be treated as an assessment offence.

I *have used/not used translation software.

If used, please state name of software.....

Overall mark _____% Assessors Initials _____ Date 16th of January 2023 _____

INRODUCTION TO THE SCENARIO

In our coursework, we had to create a website for online ticket booking. Website that makes such reservations have already been used in current life. We created this ABC cinema website after knowing the features they have and finding solutions to the difficulties we faced while using tat website. The best and the most convenient way for movie goers to buy and reserve seats for their preferred film is online cinema ticket booking. Users may quickly brows showtime and choose their preferred seats without having to go to the box office or stand in long lineups. Additionally, internet booking enables prior ticket purchase, ensuring that they are seats available for popular movies or showtimes. Overall, buy movie tickets online is a practical and user-friendly experience for movie goers, making it a well-liked choice. Convenience, use, the opportunity to choose and reserve specific seats, the chance to skip queues and sold-out performances, and the flexibility to buy tickets whenever you want are all benefits of online ticket purchasing for movies. Additionally, some websites that sell tickets online provide specials and prices that cannot be obtained at conventional box offices. You can buy tickets online from the convenience of your own home while travelling or while using computer or mobile device. Additionally, purchasing tickets online pandemic offers a

safe and contactless option. Nowadays, purchasing tickets online is smart choice.

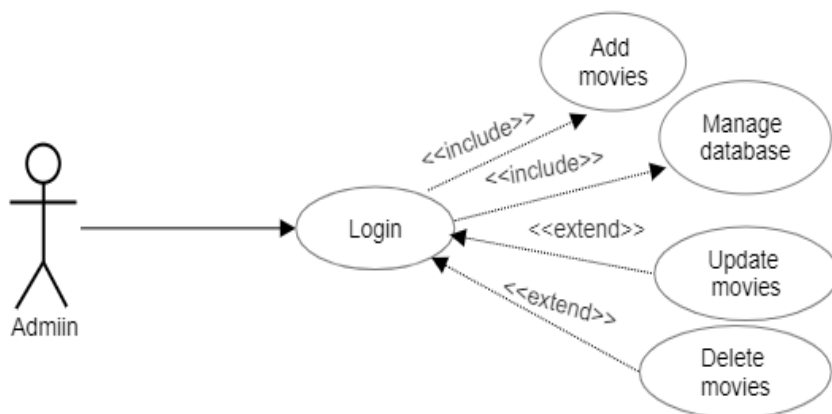
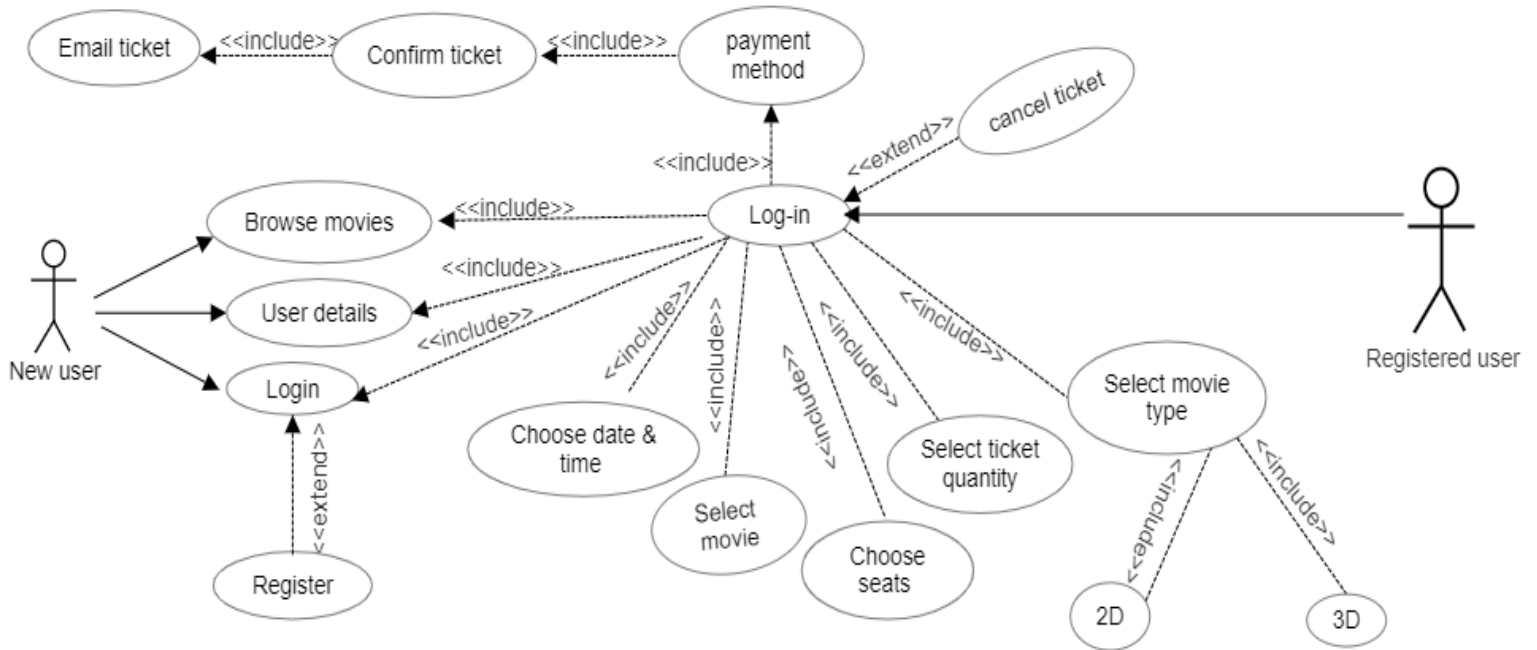
IDENTIFIED PROCESSES IN ABC CINEMA

Online cinema ticket booking is a process by which customer can purchase ticket for movies at a cinema through the internet. In relating to that we are developing a website. Anyone with a web connection can access the ticket reservation, which is an internet-based program, from anywhere in the world. The tickets will be held using this application. Any internet user can access the website for a movie theater provided by this online ticket reservation system.

Customer must complete several steps to successfully purchase tickets for a movie via online cinema ticket booking. The procedure may differ slightly depending on the website or a platform used, but the general steps are as follows:

- User can search for a movie, select the desired showtime and date, after that you must give your details.
- choose the quantity of tickets you need and a seat number from the options provided.
- Enter your personal and payment details and confirm your booking.
- For the online payment: you will need to have a credit card or any other accepted card to complete the transaction.
- Before finalizing your booking double check the details to ensure that everything is correct.
- After confirming your booking, you will receive a confirmation email.
- User can give feedback with their own preferences.

USE CASE DIAGRAM



Narrations

Use case name

- Login to site or register to our system

Use case description

- This use case describes the tickets booking details & registered user details ((username email & phone number) can be view their details.)

participating actors and roles

- New user (primary actor)
- Admin (primary actor)
- Registered user (primary actor)

Use case name

- Browse movies

Use case description

- The user can browse the movies that show in the site

Use case name

- Choose date & time

Use case description

- This use case user can choose the date and time that they want by searching the site

Use case name

- Select movie

Use case description

- This use case user can select the movie

Use case name

- Choose seats

Use case description

- This use case user can choose a seat

Use case name

- Select movie type

Use case description

- This use case user can select a movie type from available movie type

Use case name

- Select ticket quantity

Use case description

- This use case user can select quantity of the tickets

Use case name

- Cancel ticket

Use case description

- User can cancel tickets if they don't need those

Use case name

- Payment method

Use case description

- User can either can make a purchase or cancel the purchase
- This use case user can complete the payment and if the ticket got confirmed can have a confirmation email.

Use case name

- Add movies

Use case description

- This use case admin can add movies to the site

Use case name

- Manage the database

Use case description

- This use case will explain how the admin manages the web application

Use case name

- Update movies

Use case description

- This use case will tell how admin maintain/do the updates

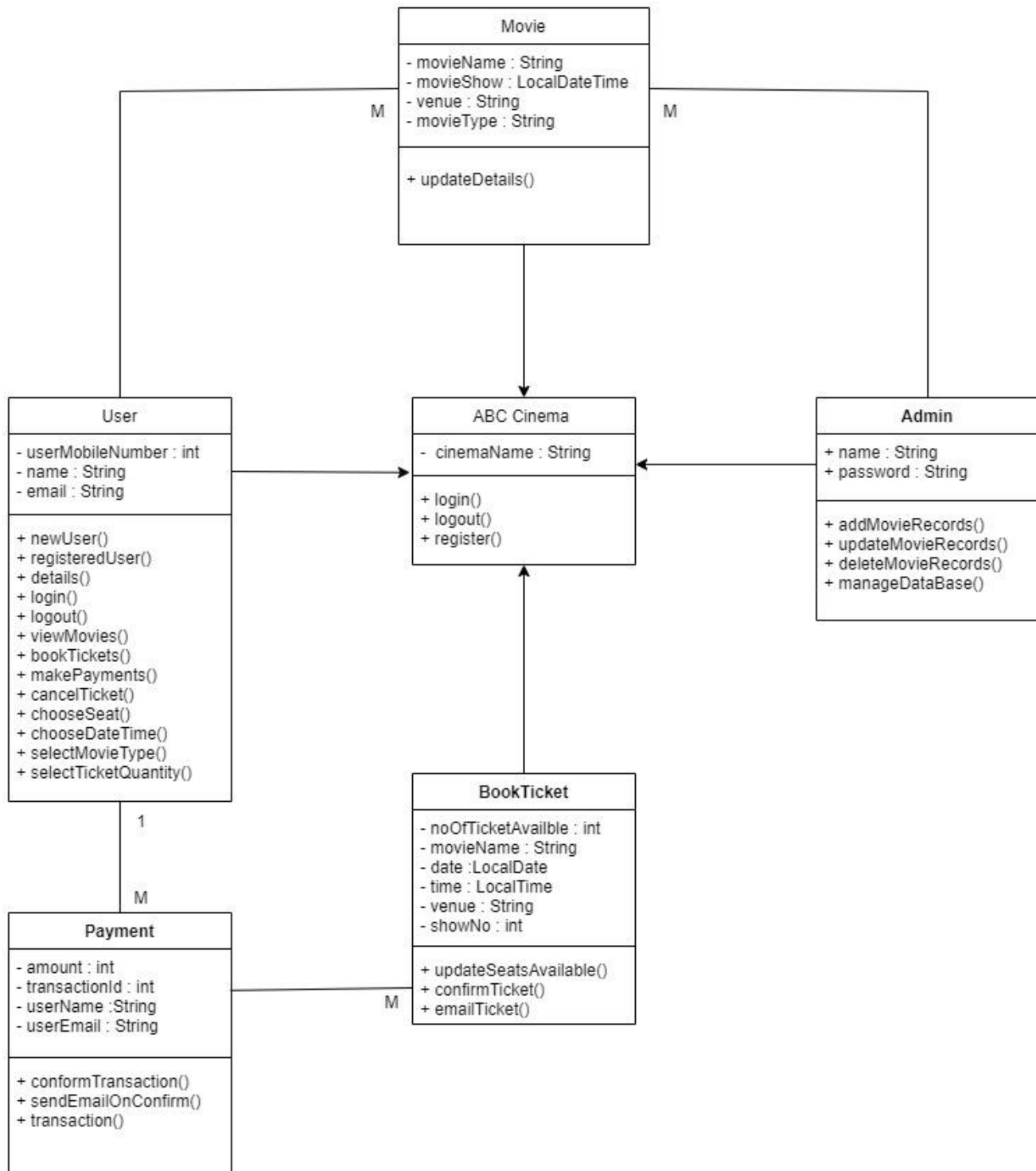
Use case name

- Delete movies

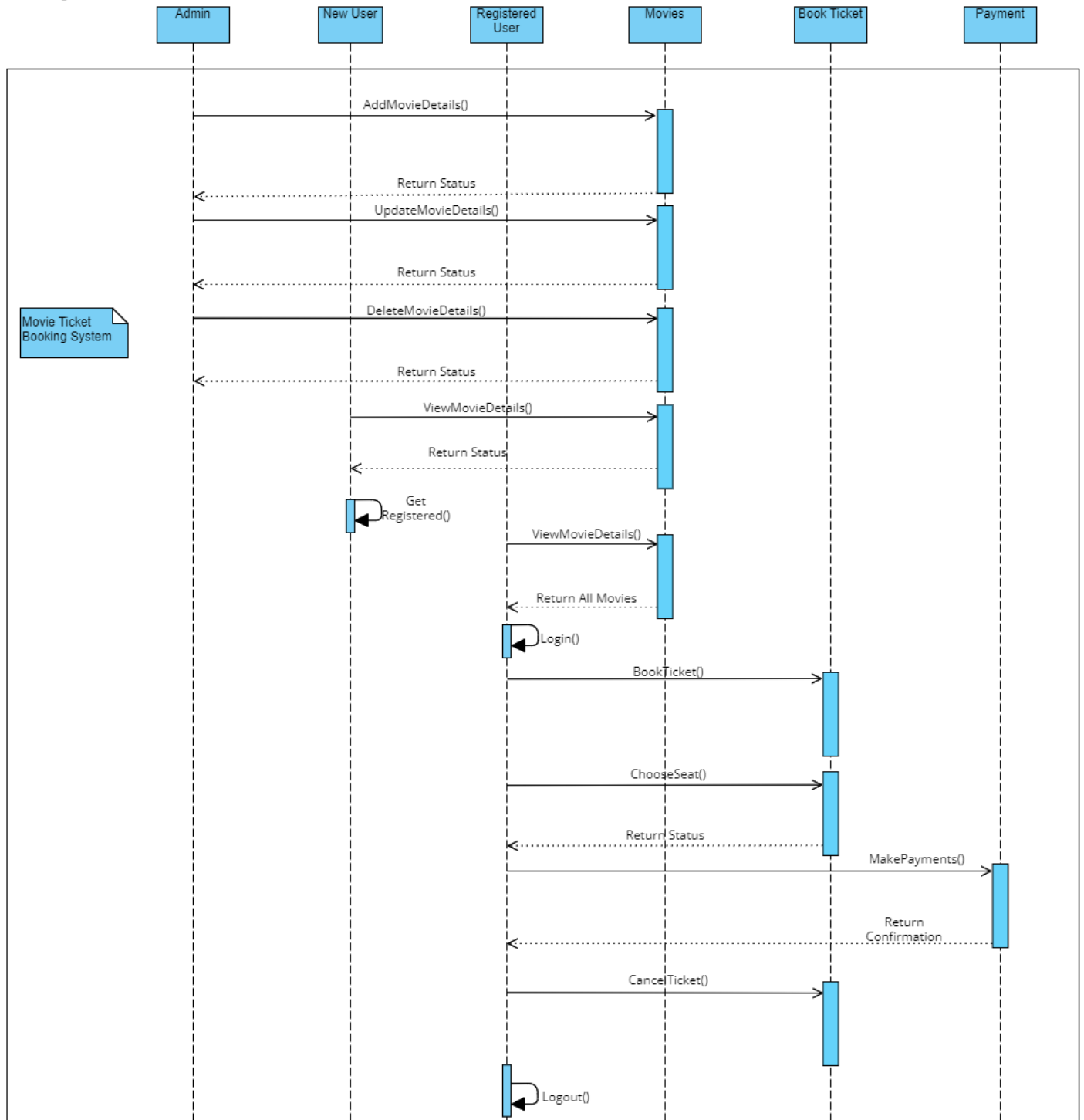
Use case description

- This use case will tell how admin delete oldest/ previous movies

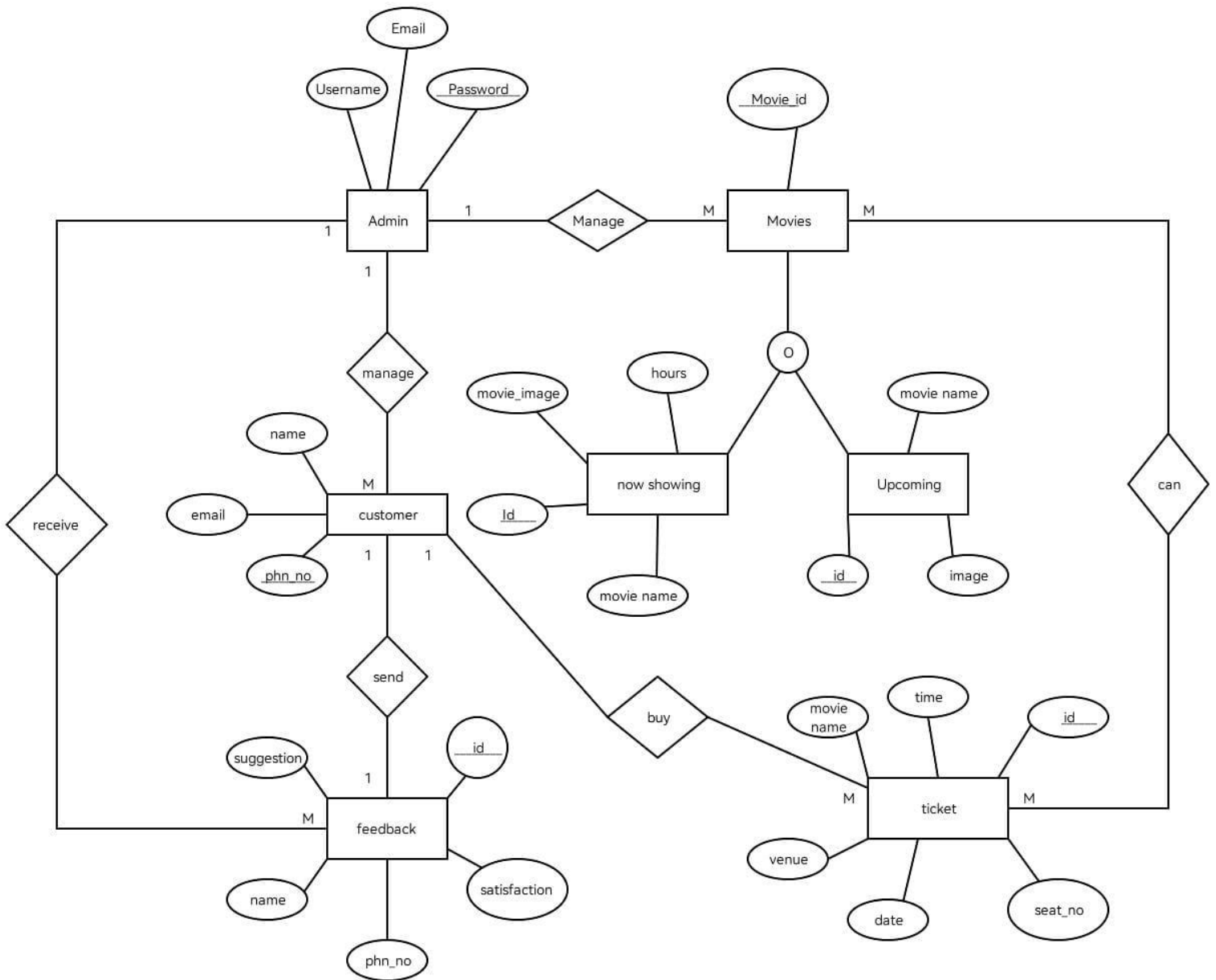
CLASS DIAGRAM



SEQUENCE DIAGRAM



ER DIAGRAM



SAMPLES OF DEVELOP SYSTEM

The method that peoples interact with and explore a website is referred to as its interfaces.

This may consist of components like buttons, menus, forms, and links.

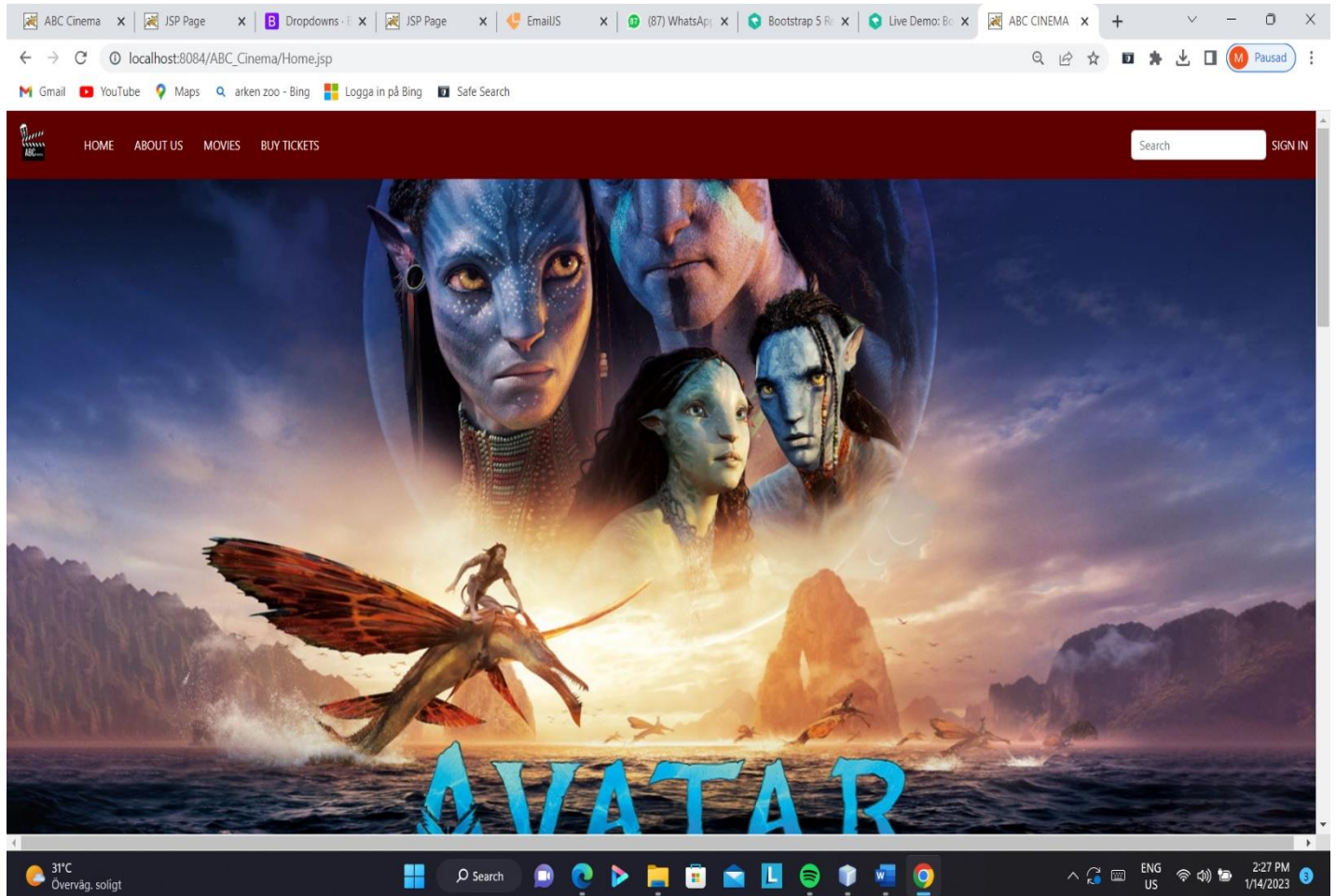
Use words like user friendly clear and easy to brows to the describe interfaces that are well designed and simple for users when describing Interfaces on a website.

On the other hand, interfaces that are confusing or challenging to use might be describe as being cultured, perplexing or challenging to navigate.

Additionally, you can discuss the specific components of the interfaces such as design, color scheme and font selections, and how these affect the user experience as whole.

Following are the interfaces that included on the website that we created.

HOME PAGE....



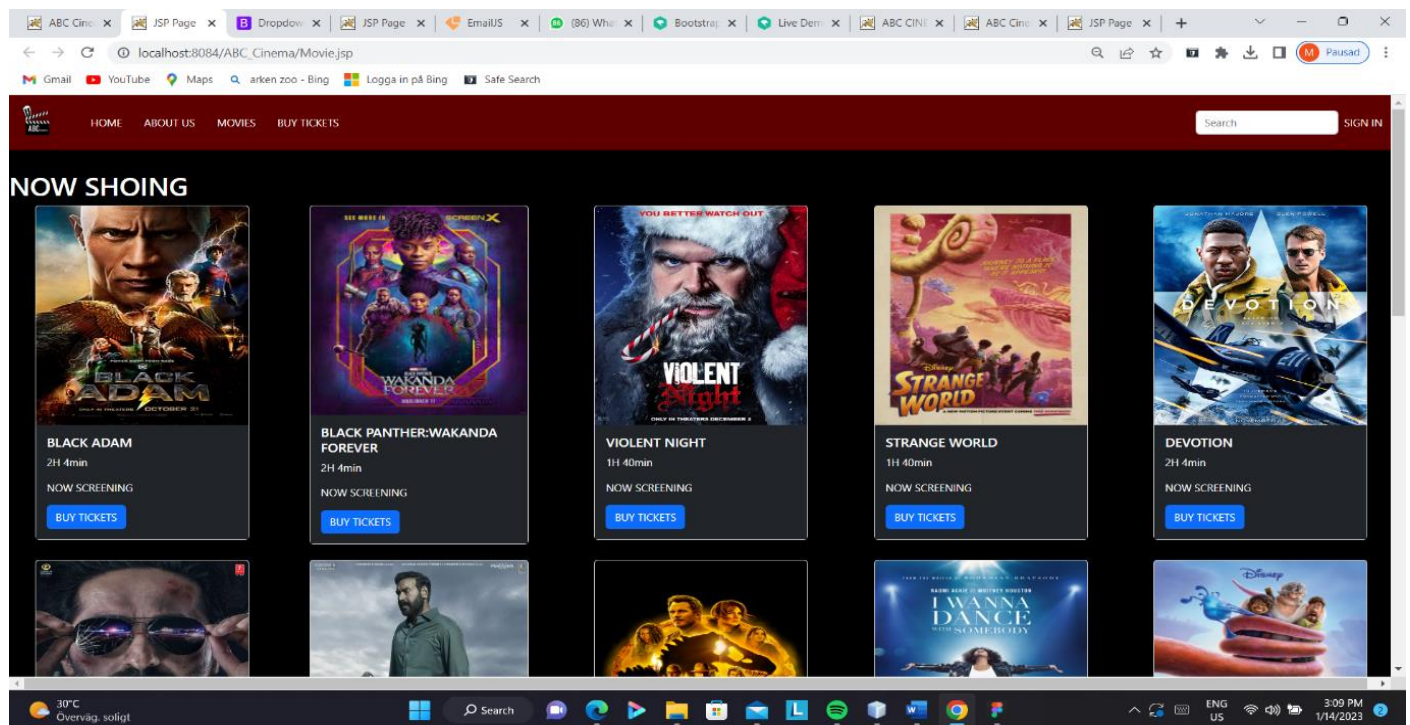
- The home page of the website is often made to rapidly give users all the information they need to locate and reserve movie tickets.
- It should have a neat layout that is visually pleasing and have easy navigation.
- This should provide quick access to all the necessary information for booking tickets.

- This contains search bar, about us, movie, buy tickets.

MOVIE PAGE

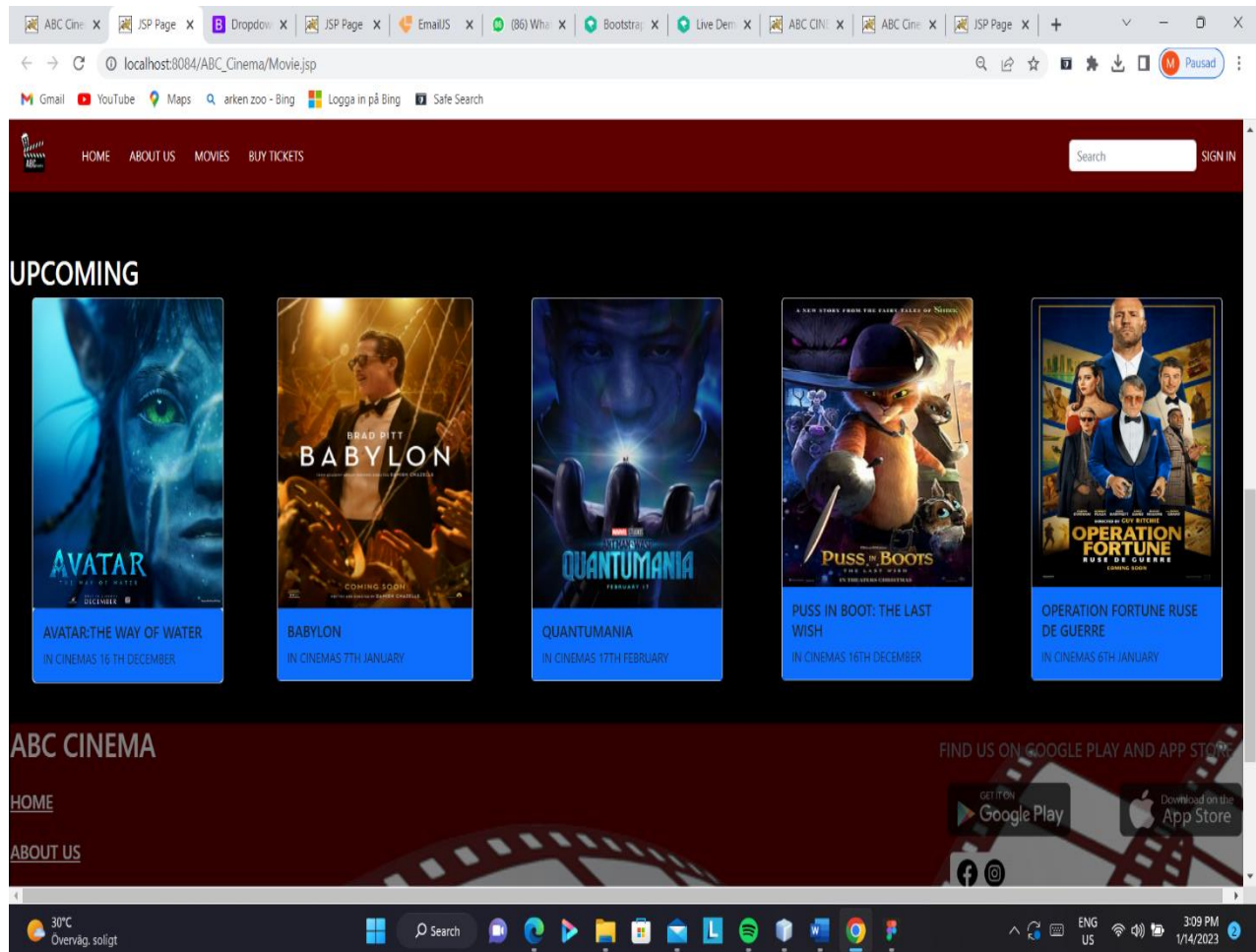
A movie page on the website would typically provide a list of currently showing and upcoming movies. Each movie would be represented by image, title and other details like duration, release date, trailer, and language.

NOW SHOWING:



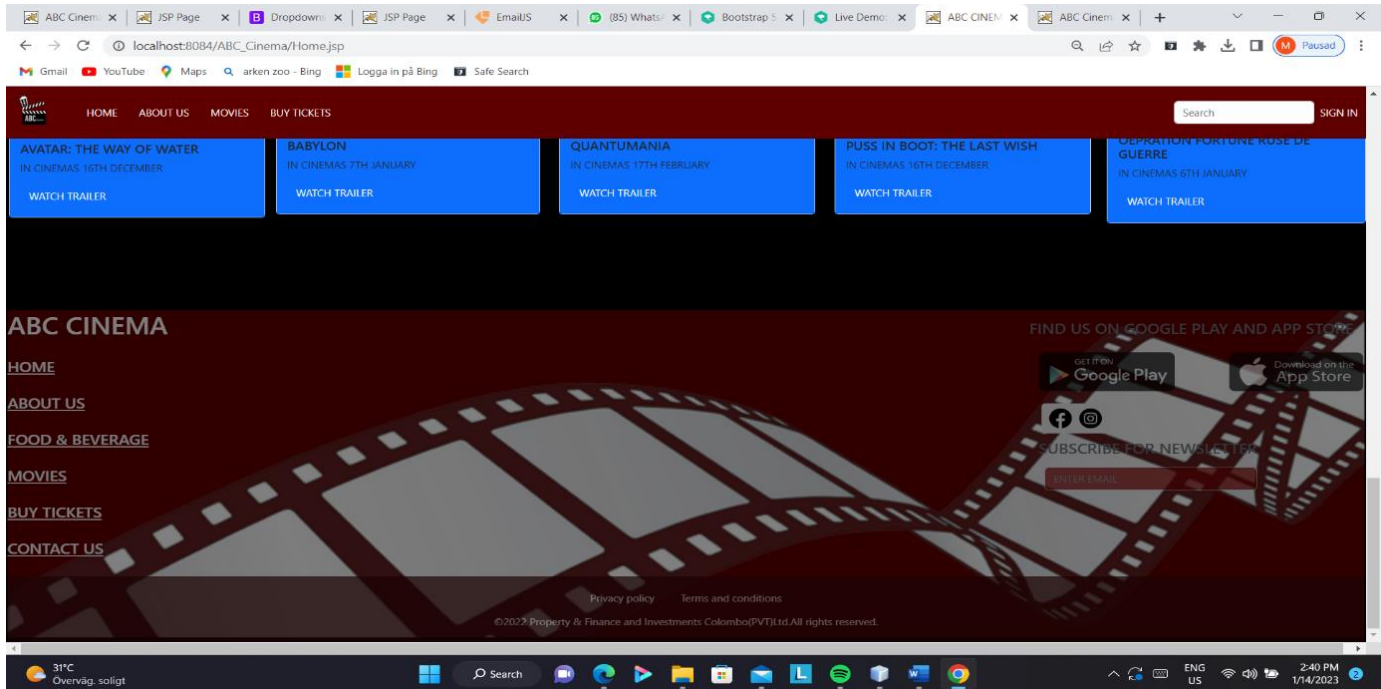
- On this page, there is some specific information like time duration and buy ticket tab. The latest movies are being updated recently.

UPCOMING.....



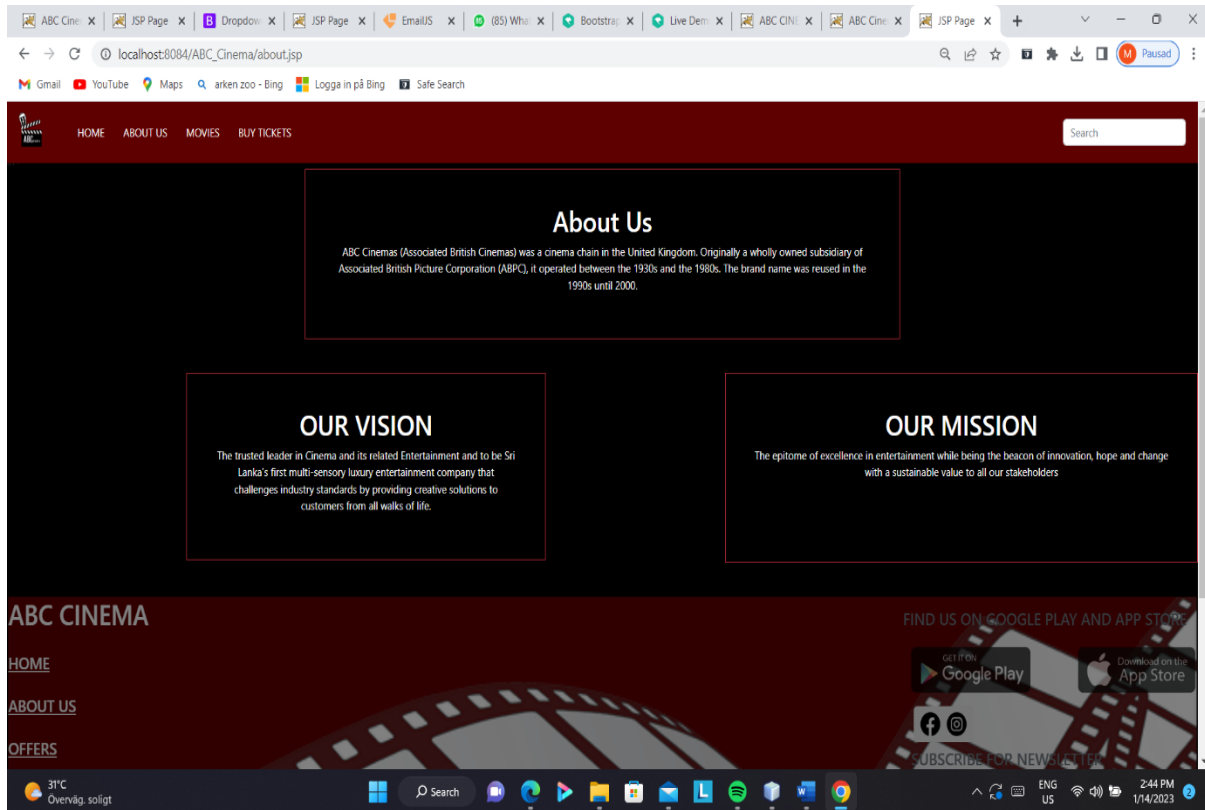
- Here user can get information about the upcoming movies, release dates and the trailer.
- The management team of the website can use features of the web application to upload new movies through it.

FOOTER SECTION...



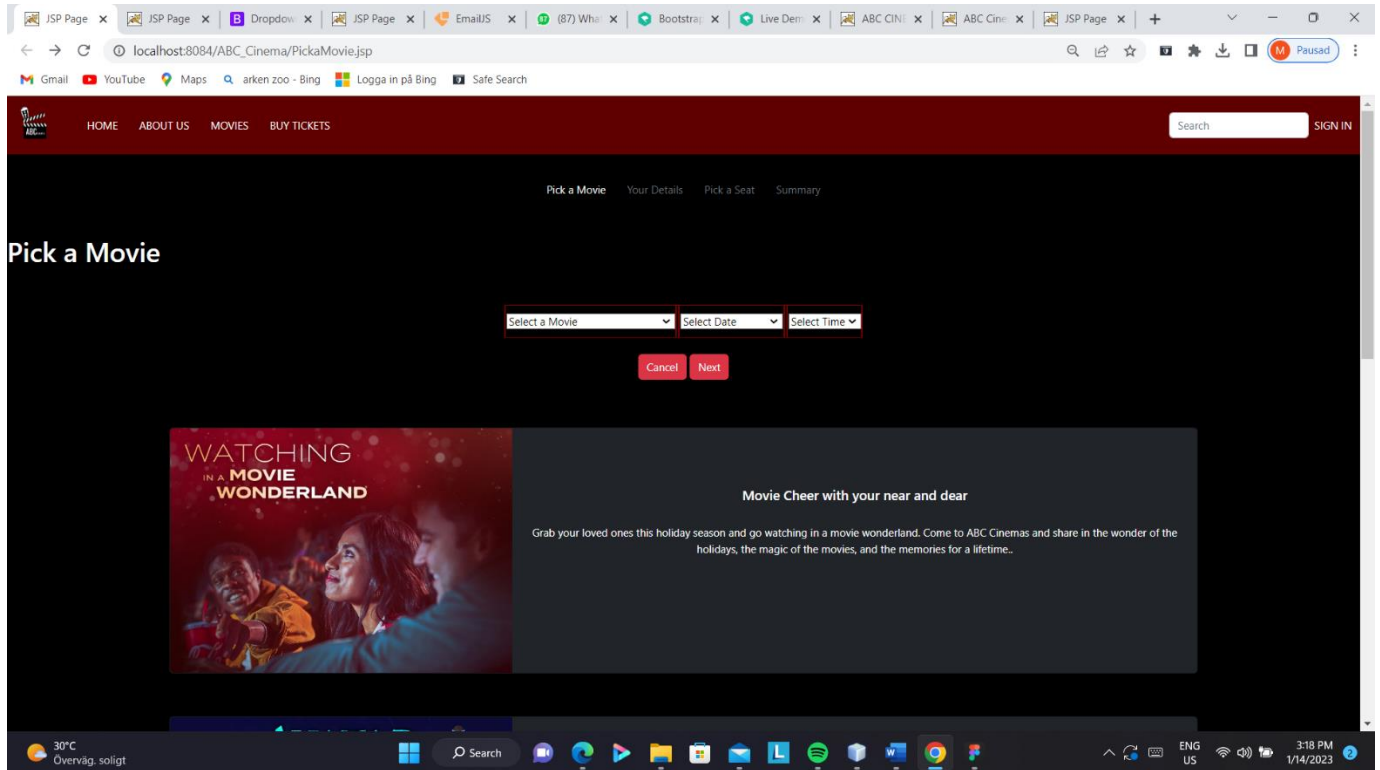
- Customer can contact us via social media and find us on play store and app store.
- If customers subscribe to us and keep in touch with us, they can be updated about new films and social promotions through the email we give them.

ABOUT PAGE....



- Information about the organization that created the website would be available on the about page. This comprises a brief history of the business, its vision and mission statements.

BUY TICKETS



- Users of this website would be able to buy tickets for movies at specific showtime. The page would show details regarding the movie, date, and chosen time.

YOUR DETAILS....

NAME

ENTER YOUR NAME HERE

EMAIL

ENTER A VALID EMAIL ADDRESS HERE

PHONE NUMBER

+94

Previous Next

ABC CINEMA

HOME

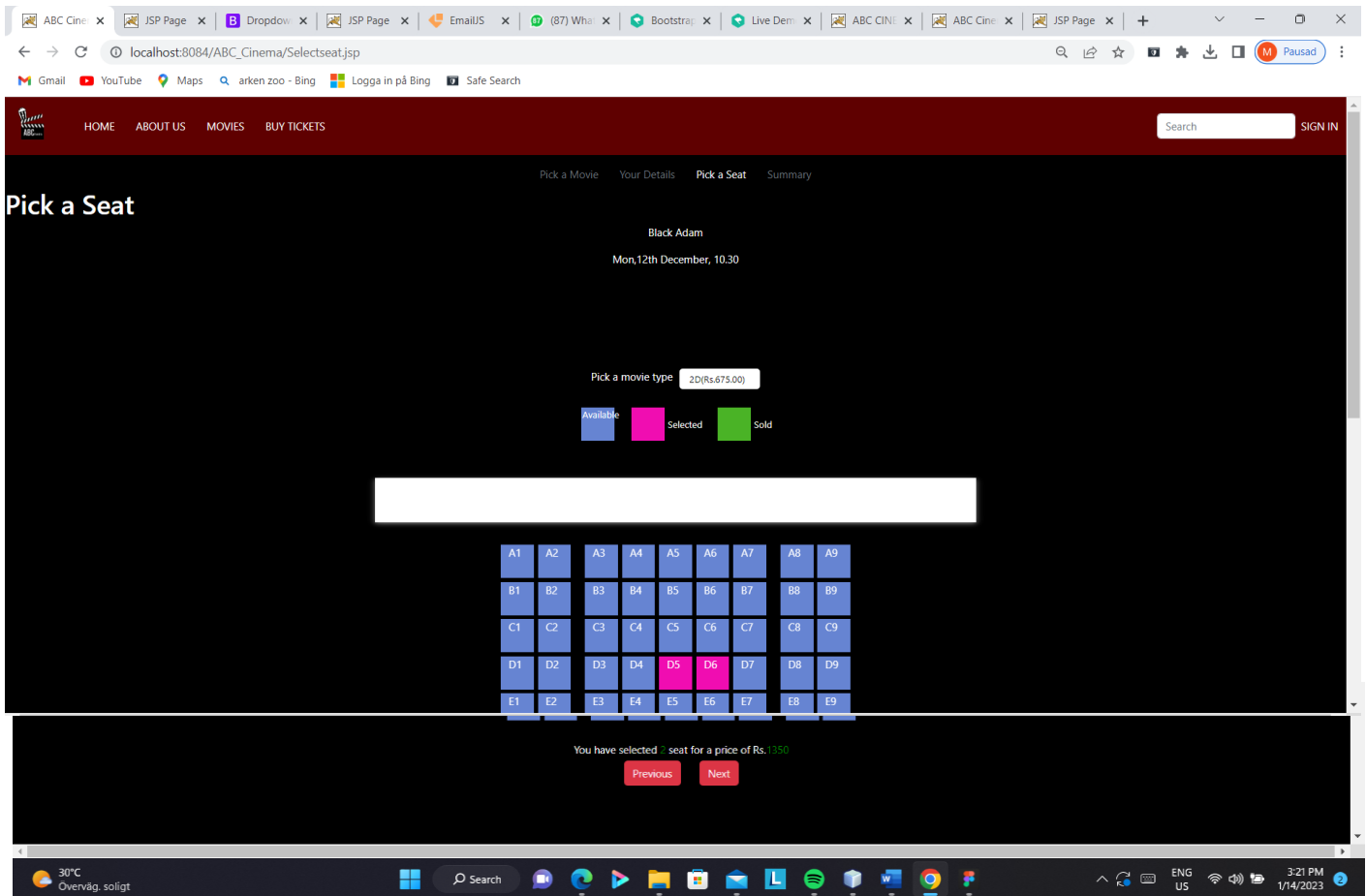
FIND US ON GOOGLE PLAY AND APP STORE

GET IT ON Google Play

Download on the App Store

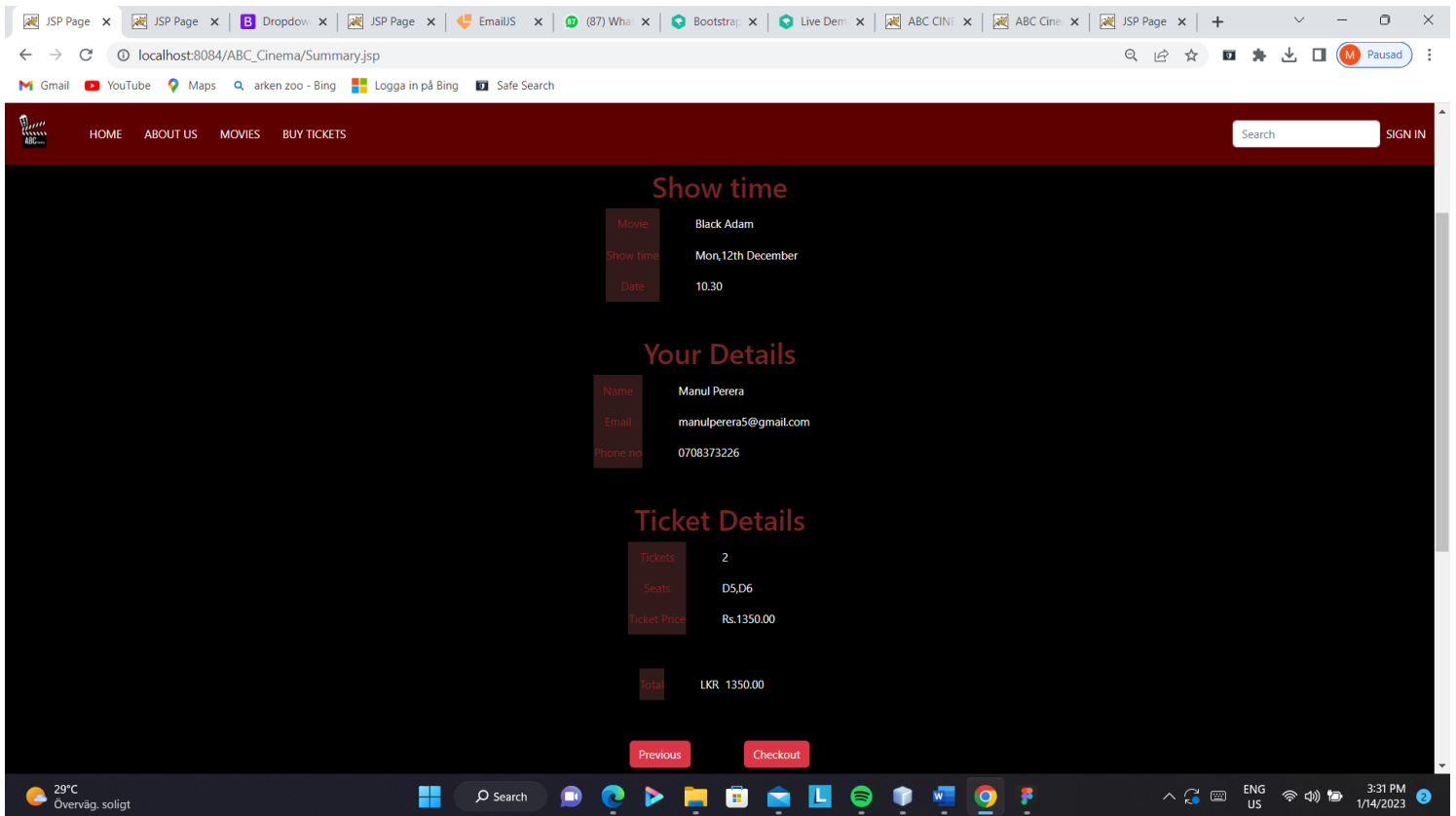
- Here you must put your name, valid email, and phone number to identify yourself.
- This help to identify the bookings of customer and automatically build up a customer database with us.

PICK A SEAT



- After selecting a movie here, you must select a seat number.
- Due to the features that we have used for this, we made it in such a way that the system does not allow customers to book the same seat automatically.

SUMMARY PAGE....



- A summary page of the website would display the details of the showtime, your details, ticket detail and payment detail.
- Before making the customer payment, they can take care of their ticket booking summary.

PAYMENT PAGE....

ABC Cine x JSP Page x Dropdown x JSP Page x EmailJS x (87) White x Bootstrap x Live Demo x ABC CINE x ABC Cine x JSP Page x +

localhost:8084/ABC_Cinema/payment.jsp

Gmail YouTube Maps arken zoo - Bing Logga in på Bing Safe Search

HOME ABOUT US MOVIES BUY TICKETS

Search SIGN IN

First name and last name*

Email *

Card number *

1111-2222-3333-4444

Expire Month Expire Year

01 23

Card holder name

Jhon perera

Security Code

352 3 digits on back of your card

Cancel Pay

✓ UnionPay SecurePay

PayPal

Betalkort eller kreditkort

29°C Överväg: soligt

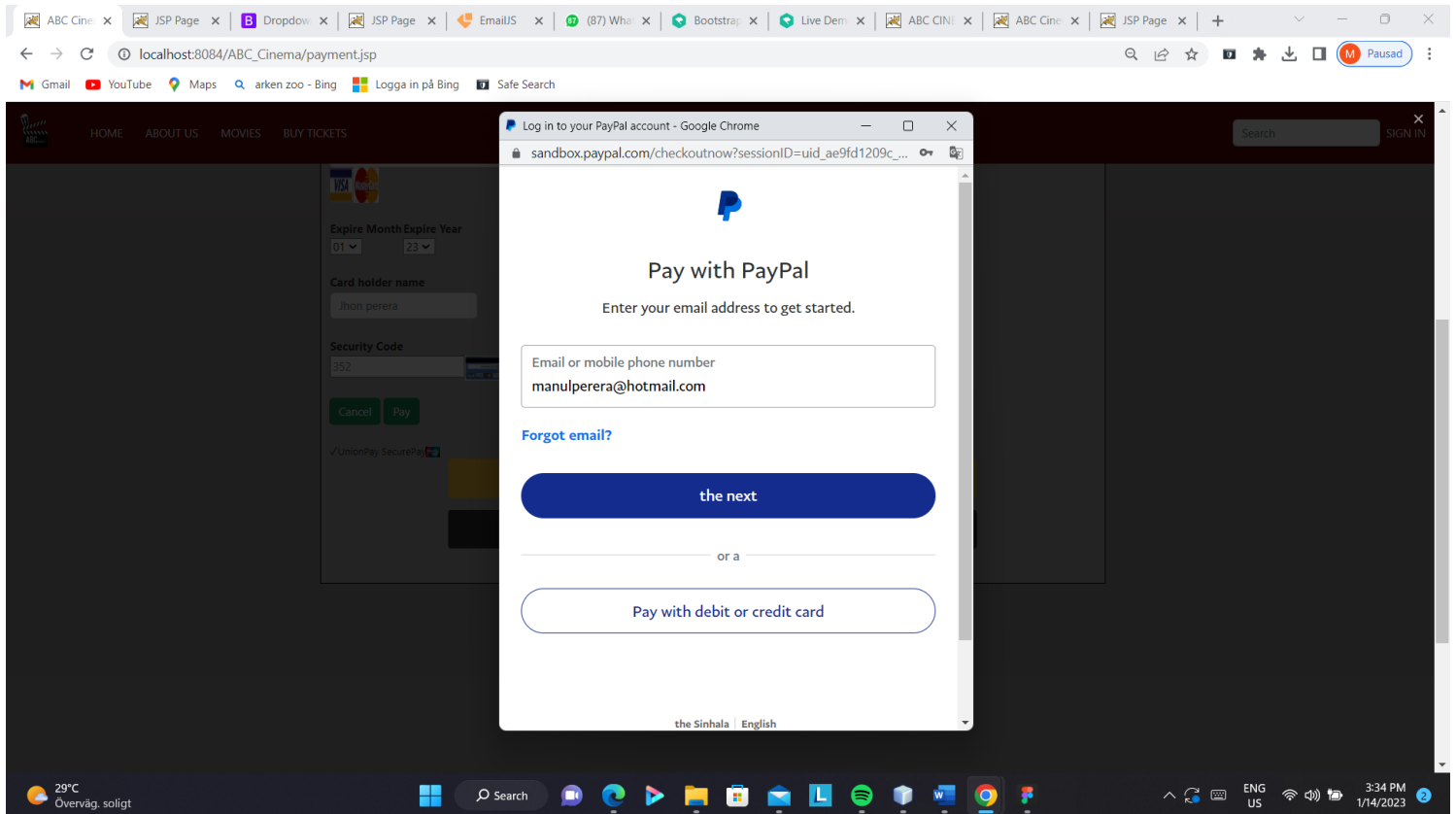
Search

ENG US

3:33 PM 1/14/2023

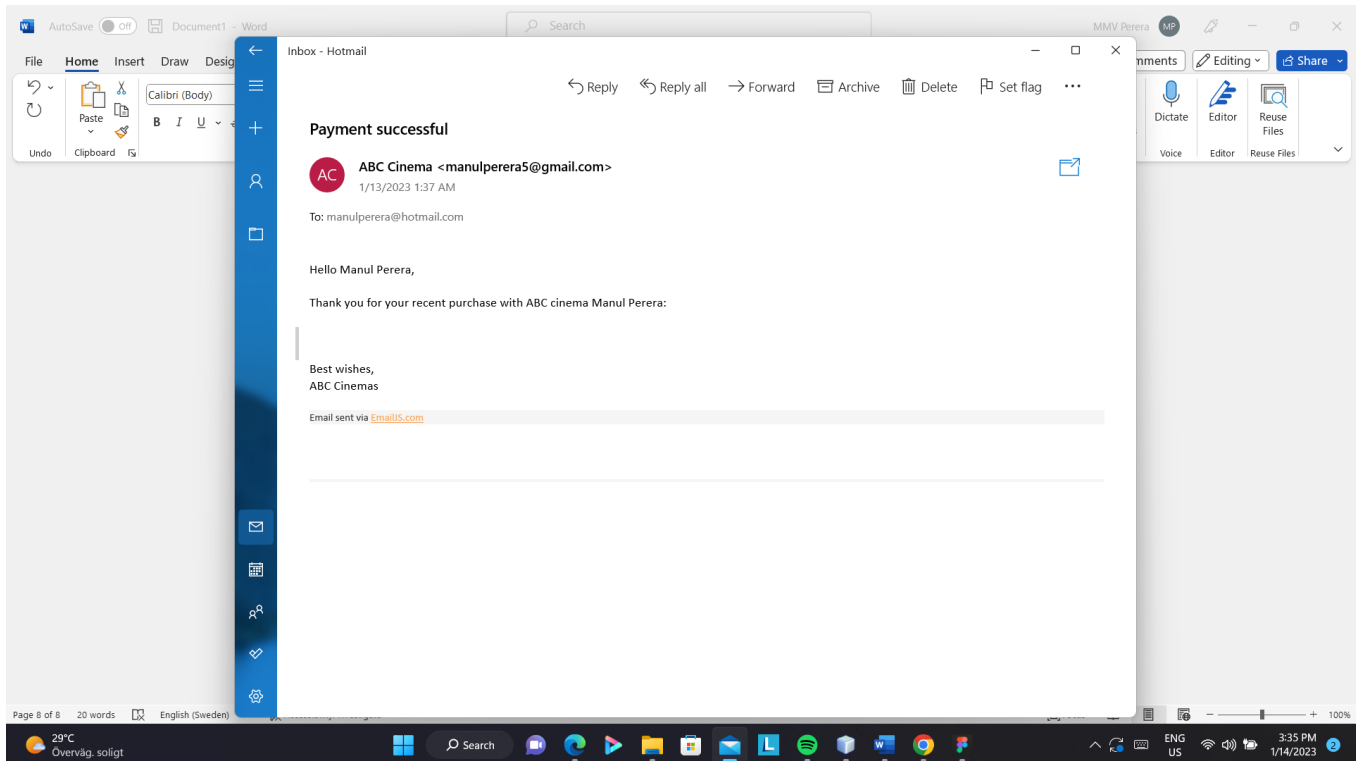
- The user will submit their payment information and complete the transaction to buy their movie tickets on the website's "payment" page.
- The user's credit or debit card information, including the card number, card holder name, expiration date, and security code would be requested in form on the page.

PAYPAL INTEGRATION



- Customers can go to PayPal and add payment if they like.

After the payment customer will get an email



- Customers who purchase movie tickets online generally receive a confirmation email those functions as their ticket after completing their payment.

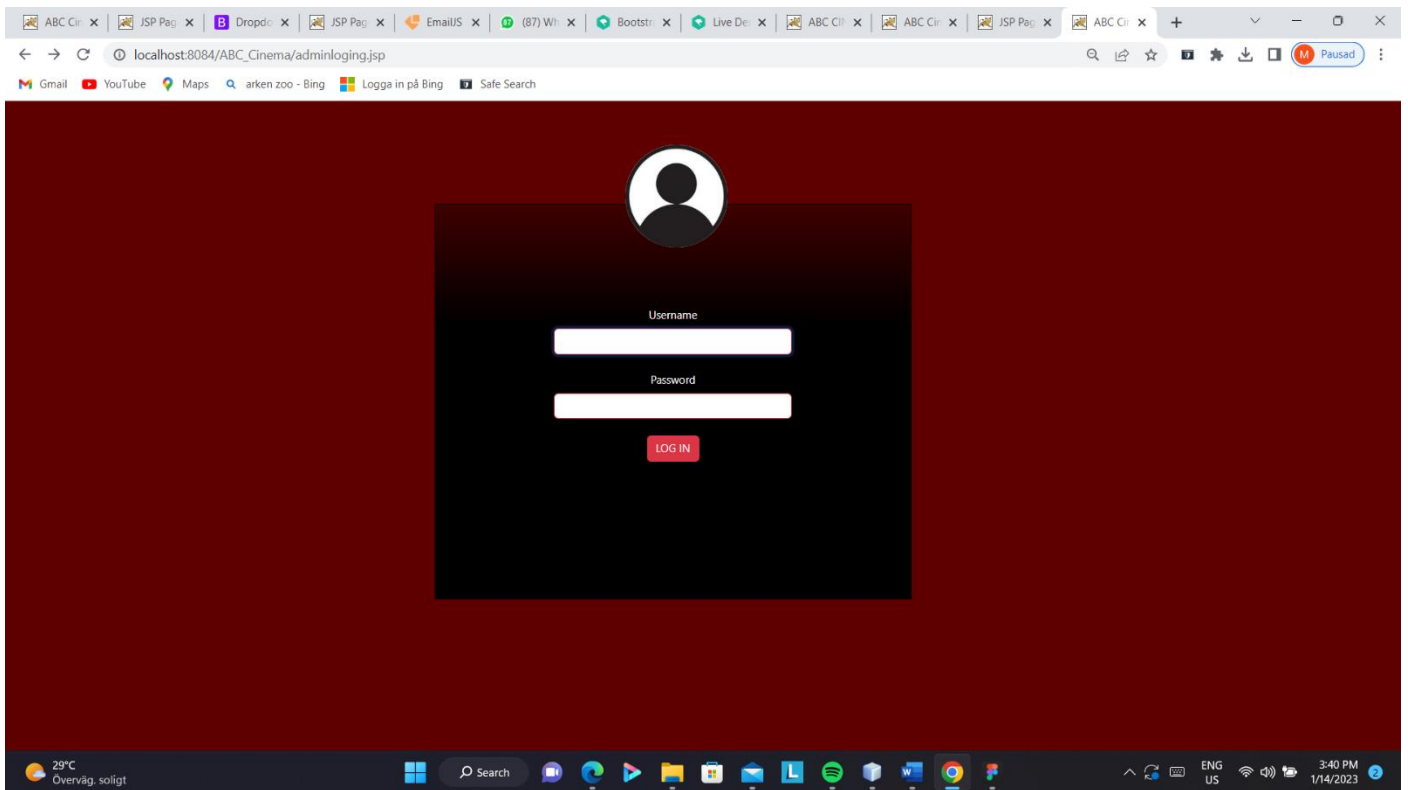
FEEDBACK

The screenshot shows a web browser window with multiple tabs. The active tab is titled 'localhost:8084/ABC_Cinema/feedback.jsp'. The browser's address bar shows the URL. Below the browser window, a dark red header bar contains navigation links: 'HOME', 'ABOUT US', 'MOVIES', and 'BUY TICKETS'. A search bar and a 'SIGN IN' link are also present. The main content area features a dark red background with a central white box titled 'Drop us a feedback'. Inside this box, there are four input fields: 'Your name', 'Your email', 'Your mobile number', and 'Did you satisfy with our services?' (with a 'Yes or no' dropdown). Below these is a larger text area labeled 'Enter your suggestion'. A red 'Submit' button is at the bottom of the form. The Windows taskbar at the bottom shows the system clock as 1:22 PM on 1/16/2023, along with various application icons and a weather widget showing 27°C.

- Customer can leave reviews about their interactions with a website and the services offered on the “feedback” tab on an internet site for purchasing movie tickets.
- Customers may be able to review their overall experience, leave comments, and make improvement suggestions using a form on the feedback page

ADMIN PAGE

LOG IN PAGE



- Admin persons must log in to this website by using username and password.
- Username – admin
- Password – admin123

INSERT PAGE....

Insert data

NOW SHOWING MOVIES

Movie ID

Movie Name

Movie Hours

Movie image

UPCOMING MOVIES

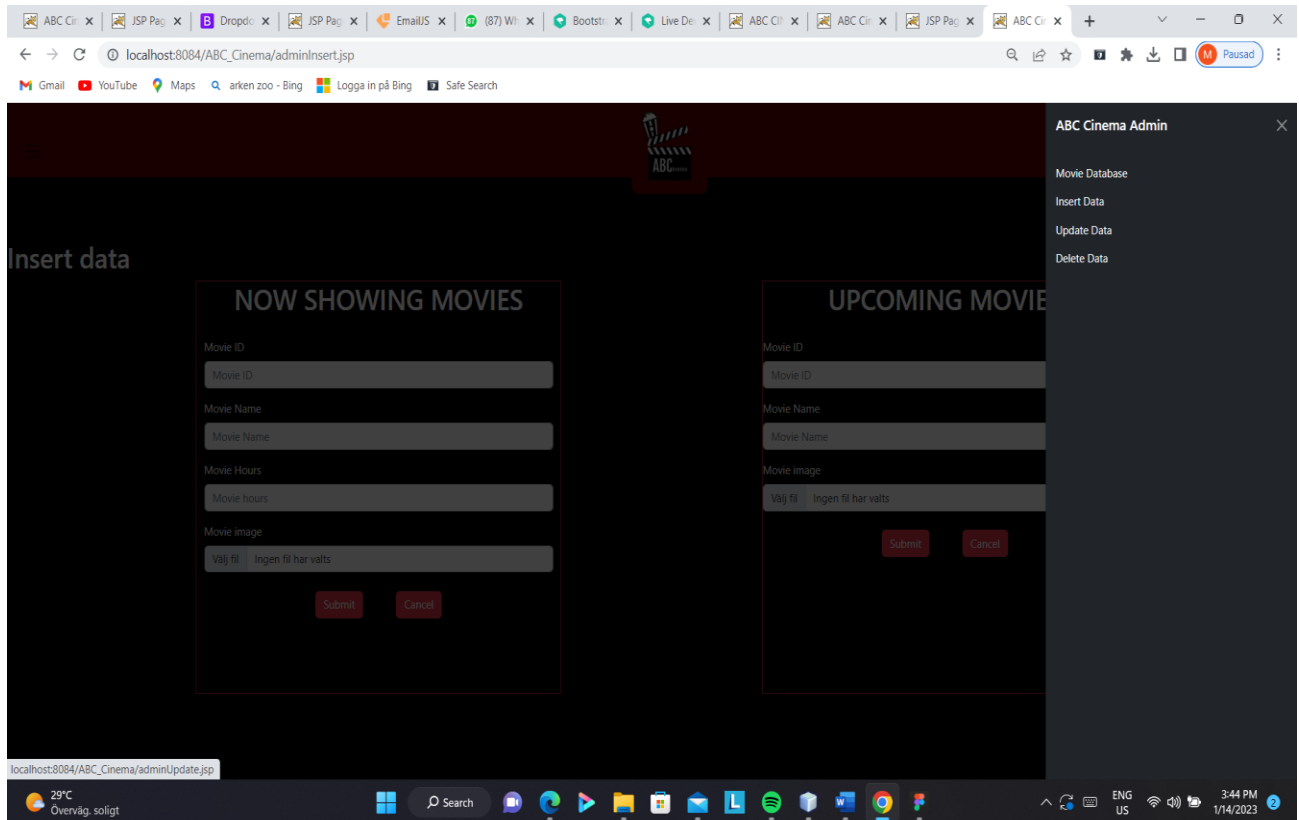
Movie ID

Movie Name

Movie image

- Insert details about new release movies
- The admin can change and update new films and upcoming films daily.

Admin person can go to other pages by using this



UPDATE PAGE....

Update Data

NOW SHOWING MOVIES

Movie ID
Movie ID

Movie New Name
New Name

Movie New Hours
New hours

Movie New image
Välj fil Ingen fil har valts

Update Cancel

UPCOMING MOVIES

Movie ID
Movie ID

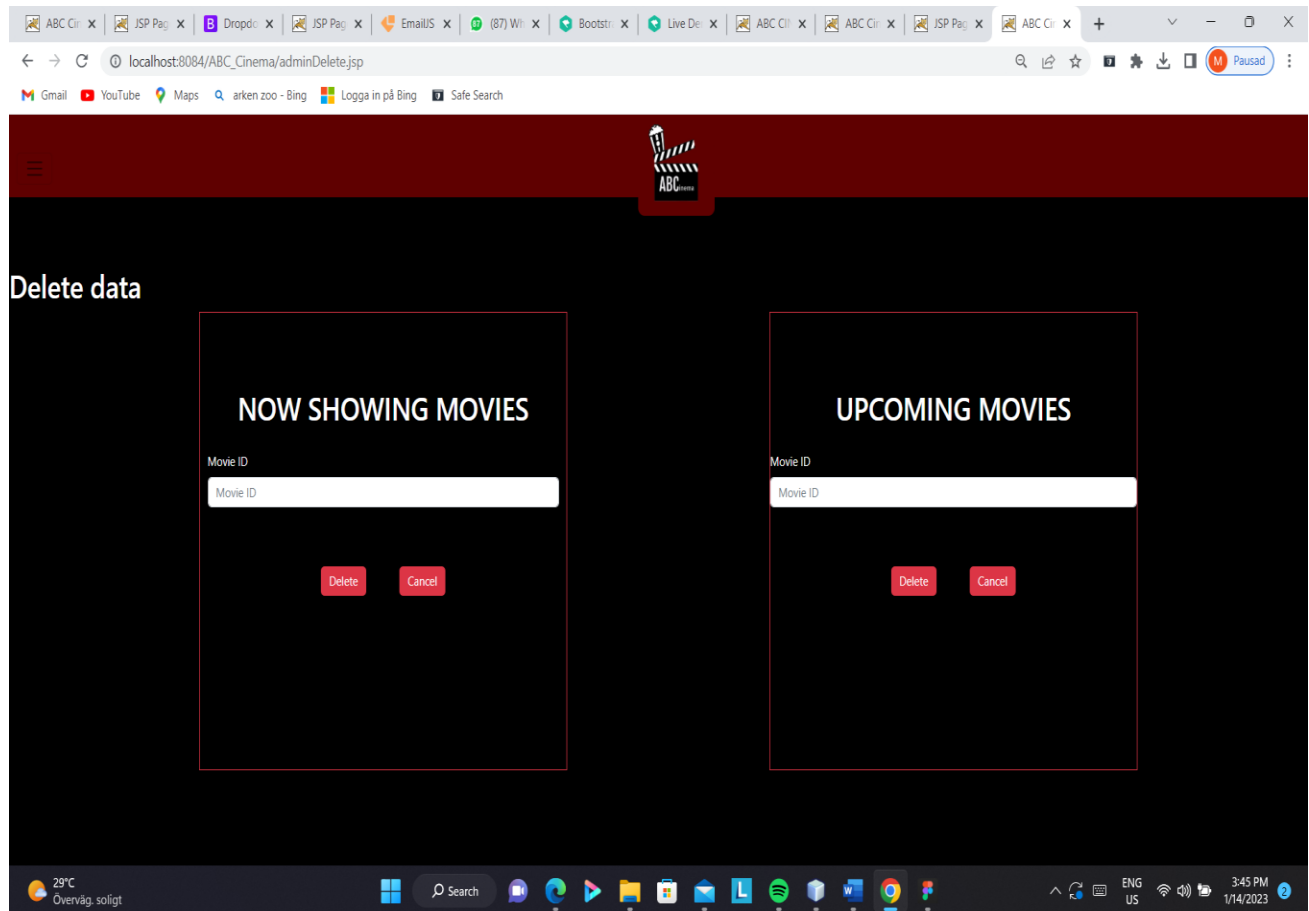
Movie New Name
New Name

Movie New image
Välj fil Ingen fil har valts

Update Cancel

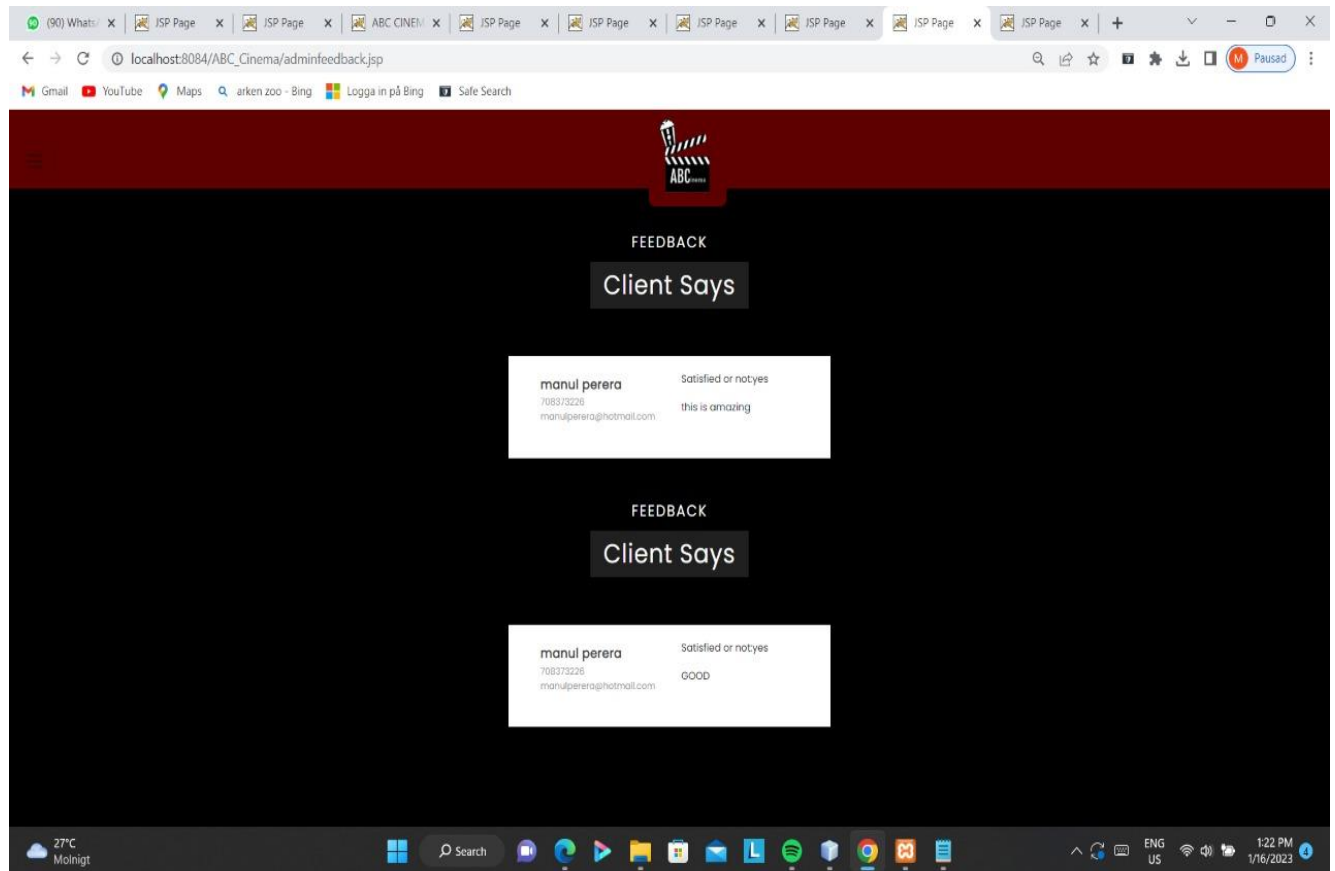
- Update details of the movies

DELETE PAGE....



- With this, the admin can delete all films and upcoming films and add new ones.

FEEDBACK FROM CUSTOMER



- Through this, the admin can take care of customer feedback.

References....

When we are creating the online cinema tickets booking website we used these resources,

- Youtube, w3school, bootstrap
- <https://www.w3schools.com/html/default.asp>
- <https://getbootstrap.com/docs/5.0/getting-started/introduction/>