NSBM Green University

Faculty of Computing

PUSL2024 & SOFTWARE ENGINEERING 2

Module Lecturer:

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Project Proposal

-Group No 84-

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Introduction

Nowadays, many people are interested in watching movies. People watch movies for various reasons including entertainment, escape from stressful and busy lifestyle and mental relaxation.

The day-to-day method is to go to a movie theater and buy tickets for the movie that is being aired based on the relevant elements of the movie and watch that movie. For this situation we decided to set up a website for booking movie tickets. There our ABC Cinema website is sure to provide excellent service and convenience to the users.

As features of this website,

- **Online reservation of tickets / seats**
- **Online payment handling**
- **Avoid booking collisions**
- **Visualization of the customer feedbacks for managerial decision making**
- **SMS or Email notification of reservation and cancelling options**

are included.

And if the features of this website are shown in two parts,

Features of Employee Module:

-Login for customer

-Change password for customer

-Registration of Customer

-View all Movies

-Book Movie tickets

-Online payment of movie tickets

-Show his booking history

-All employee forms are validated on client

-Employees have any booking part issues contact with site chat-bot

-employees can easily find to cinema locations & theaters movies

-Online book to seats their choices.

-Quickly identify site for the new user interface

-Online payment methods available and employees can see their success payments by the SMS

-Support for every device (fully responsive)

- With limited Access

Features of Admin Module:

-Login for admin

-Edit profile for admin

-Add, Edit, delete employee information

-Add, Edit, Delete movies / type information

-Reports of all movies

-Reports of all employees

-Good Ui

-unlimited Access

Technology Used in the project

- JSP: page layouts have been designed in JSP

- JAVA(servlet): All the front end logic has been written in servlet

- CSS: CSS has been used for all the designing part

- JavaScript: All the validation task and animations has been developed by JavaScript

- MYSQL: MYSQL database has been used as database for the project

- GLASSFISH: Project will be run over the glassfish server
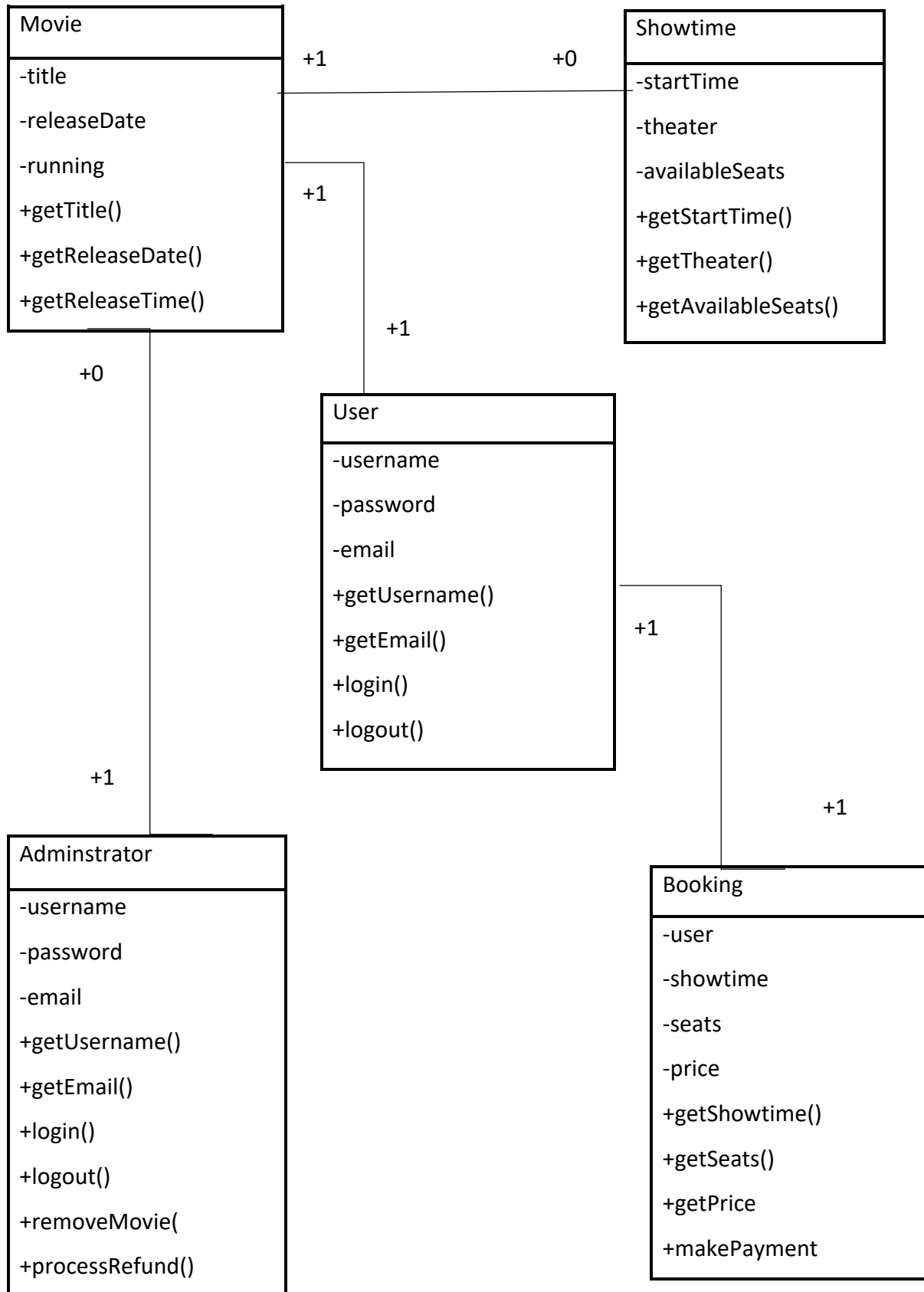
Processes in ABC Cinema

In this website, you will first come to the home page. Animated slides have been used in the image banner to attract your attention. Also, you can go to the home page and sign up using email & password. The data provided will be stored by us. Also, a chat box has been included for you to connect with us. When you visit the about us page, you can know the details about this ABC cinema. There you can also do the sign up process. After entering the movie page, you can you can see different types of movies. You can also know the details of each movie (ex: location). After coming to the tickets page, you will be directed to the ticket booking process. Here you can select the desired movie, date and time, required number of seats, etc. and pay the corresponding payment. After payment, a successful message will be sent to you immediately. After that, when you connect to the contact us page, if you want to inform us about something, a form has been given to you. We will store the data you have entered and send a message for it. Also, you can connect to this website using email & password through the login page. Here also the data you enter will be stored by us.
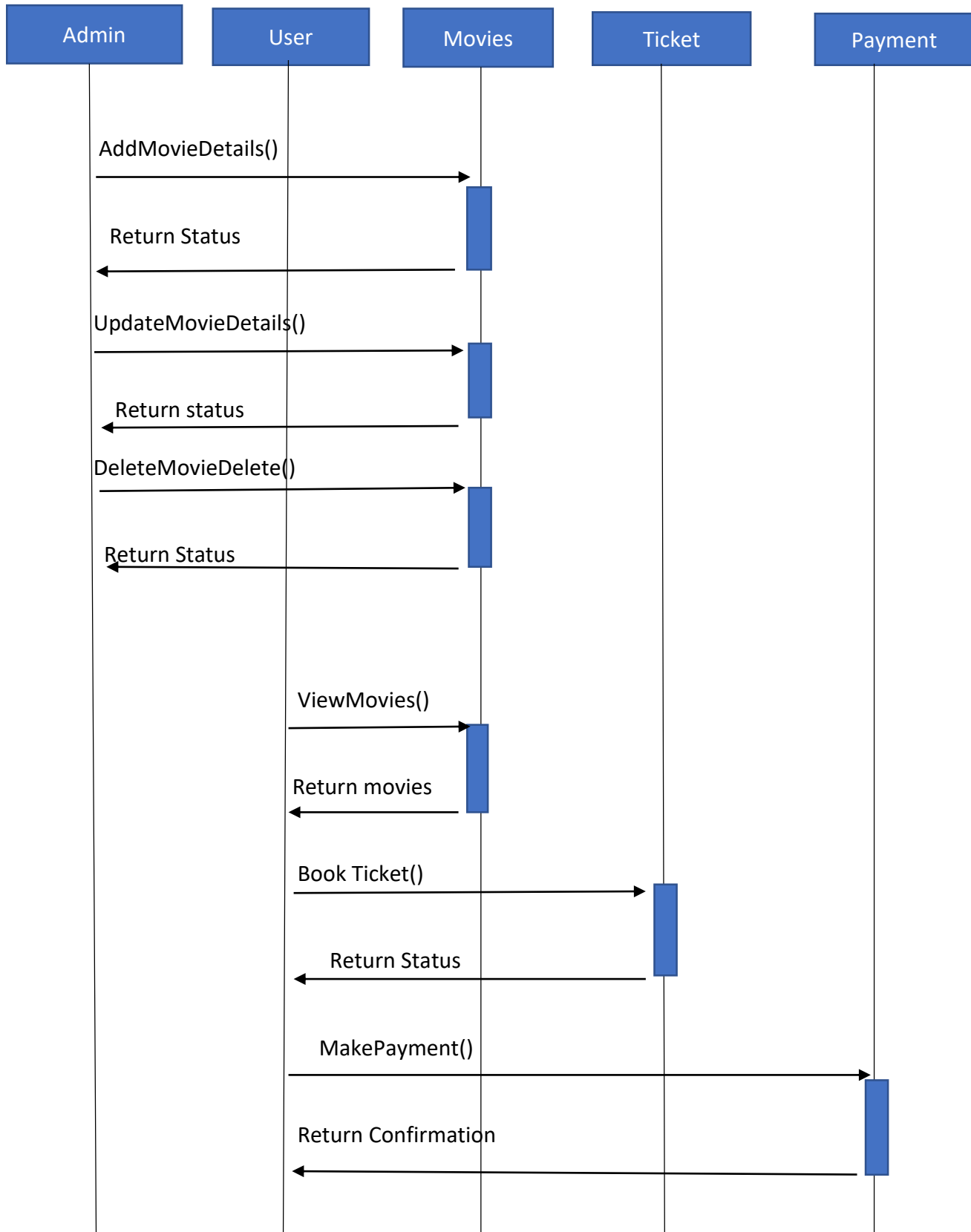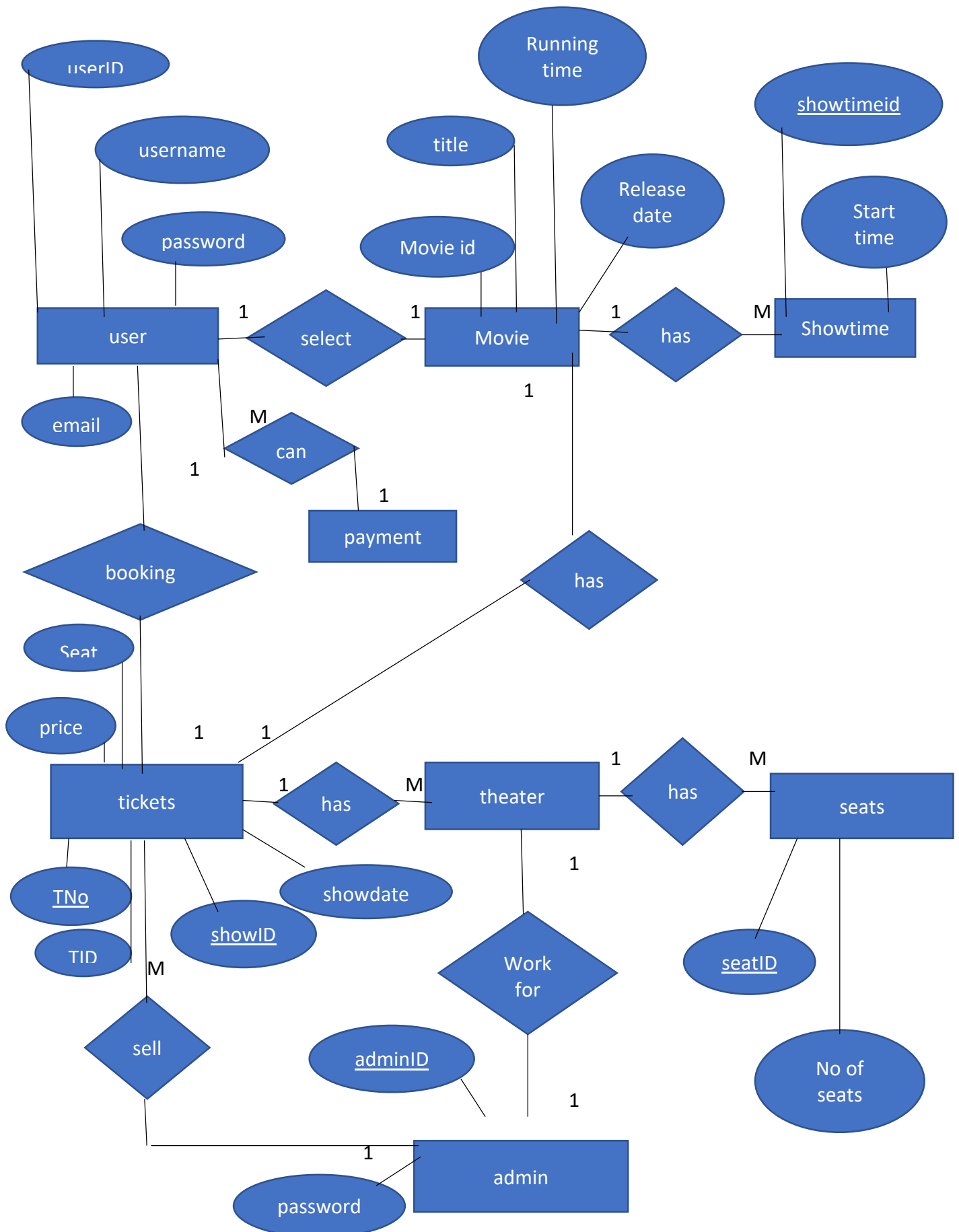
Usecase Diagram

Class diagram

Movie

-title

-releaseDate

-running

+getTitle()

+getReleaseDate()

+getReleaseTime()

+1

+0

Showtime

-startTime

-theater

-availableSeats

+getStartTime()

+getTheater()

+getAvailableSeats()

+1

+1

+0

User

-username

-password

-email

+getUsername()

+getEmail()

+login()

+logout()

+1

+1

Adminstrator

-username

-password

-email

+getUsername()

+getEmail()

+login()

+logout()

+removeMovie(

+processRefund()

+1

Booking

-user

-showtime

-seats

-price

+getShowtime()

+getSeats()

+getPrice

+makePayment

Sequence Diagram

ER Diagram

Samples of developed system

These static pages will be available in project:

Home page

Home page with good UI
- Home page will contain an animated slider for images banner.

Welcome ABC Cinema, Online Destination Moviegoers Everywhere!

Our mission is simple: to make it easy for you to find and book tickets to the movies you love. With just a few clicks, you can search for showtimes, choose your seats, and purchase tickets all from the comfort of your own home.

Book Now

MOVIES
Movies Booking

Book Now Book Now Book Now

The Flash Sonic Hedgehog Avengers Endgame

Book Now Book Now Book Now

Our Promotions & Discounts Page Special Offers & Deals Tickets & Concessions.

Once you've found a movie that you'd like to see, click on the poster to view more details and watch the trailer. From there, you can select your preferred theater, date and time, and then proceed to the booking process.

✓ Variety Special Tickets & Experiences
✓ 3D, IMAX, and VIP seating
✓ Add Concessions, Like Popcorn & Soda

Sign Up Now

Enter Your E-mail

Enter Your Password

Sign Up Now

- Here, the information is stored when you sign up using your email & password.

You can contact forum using this message box.
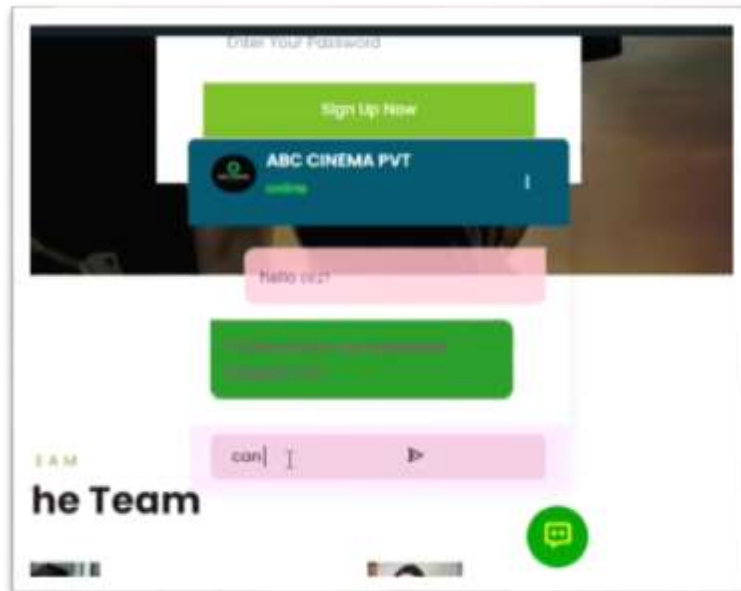
About us page

About us page will be available which will describe about the project.
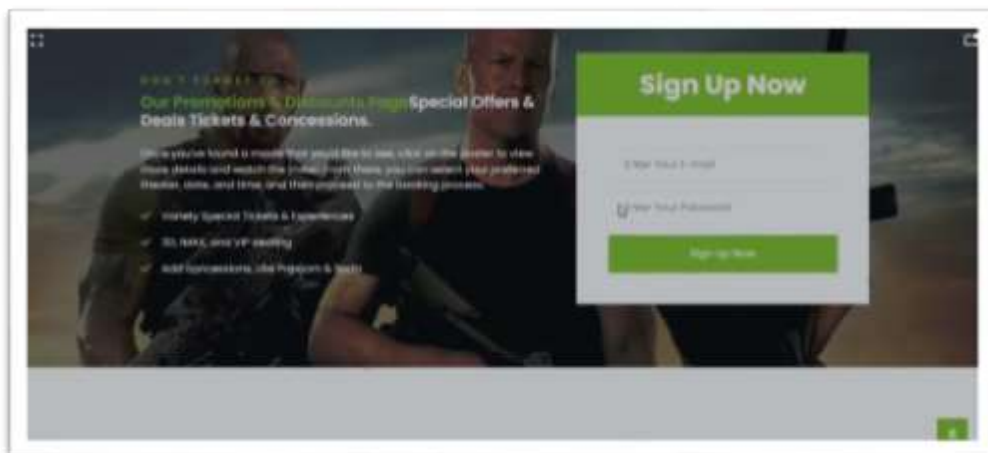
Meet The Team

"I've had such a great experience with Booking Cinema. The customer service is top-notch and I've never had any issues with my tickets. Highly recommend."

Emily Williams
Head of Customer Service

"I've been using Booking Cinema for years and it's always my go-to for buying movie tickets. The process is quick and easy, and I love that I can choose my seats in advance."

Michael Johnson
Chief Technology Officer

"I've had such a great experience with Booking Cinema. The customer service is top-notch and I've never had any issues with my tickets. Highly recommend."

Jane Doe
Chief Operating Officer

ABC
CINEMA

We hope you enjoy your movie experience with ABC Cinema. If you have any need assistance, please don't hesitate to contact us.

FOLLOW US

OUR SERVICES
- About Us
- Movies
- Buy Tickets
- Contact Us
- Team
- Log In
- ABC

USEFULL LINKS
- About Us
- Movies
- Buy Tickets
- Contact Us
- Team
- Log In
- ABC

CONTACT US
- 97 Street, Homagama, Sri Lanka
- +094 222 6677
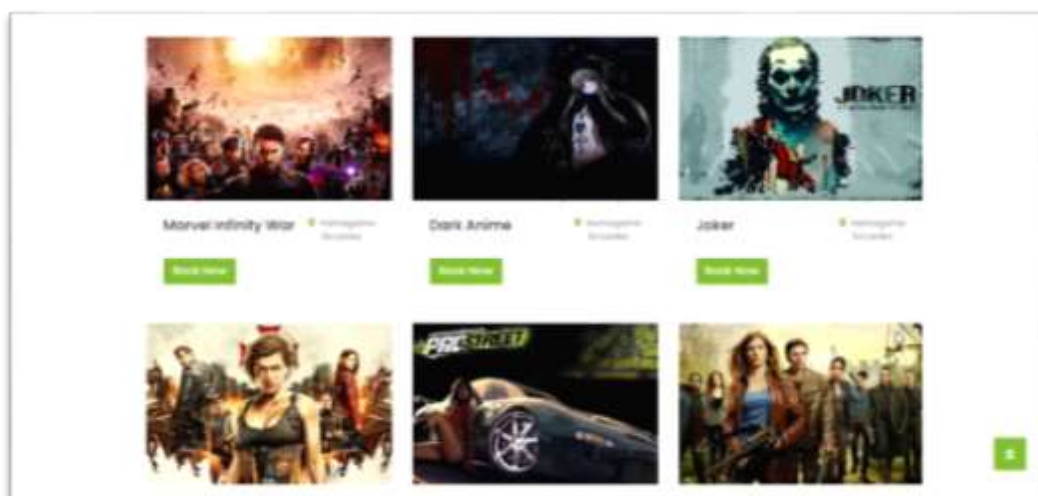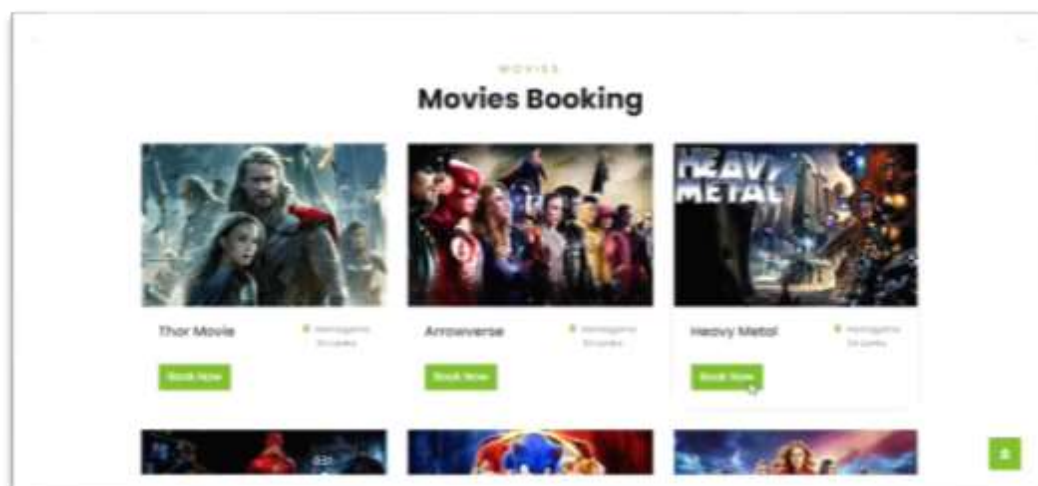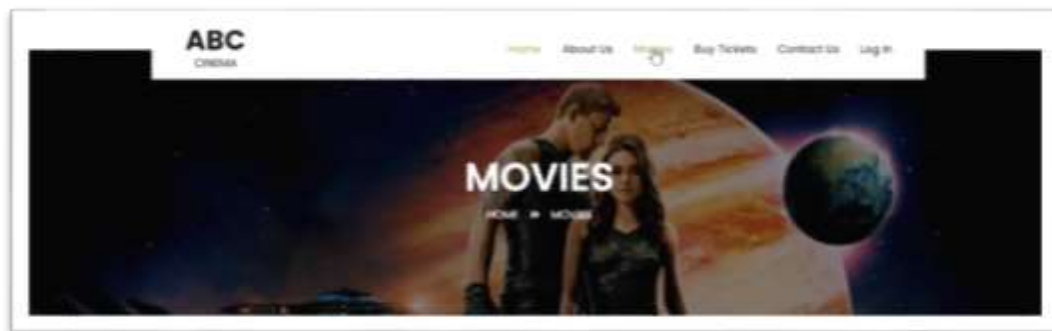- +094 222 6678
- abc@cinema.com

NEWSLETTER

Enter Your E-mail | Sign Up

Movies page

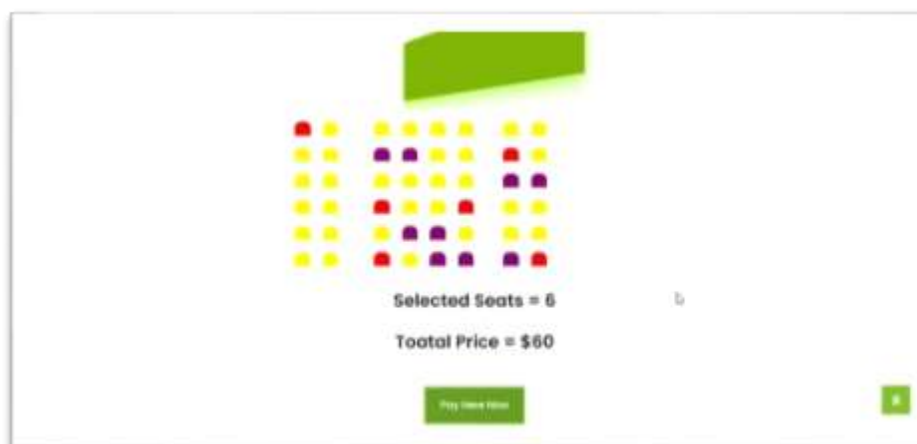Movies page will be available which will describe theater movies.

Buy tickets page

Buy tickets will be available which describe seats booking parts

Here, the project has been created so that you can select the movie, select the time, select the date, and also select the desired seats.
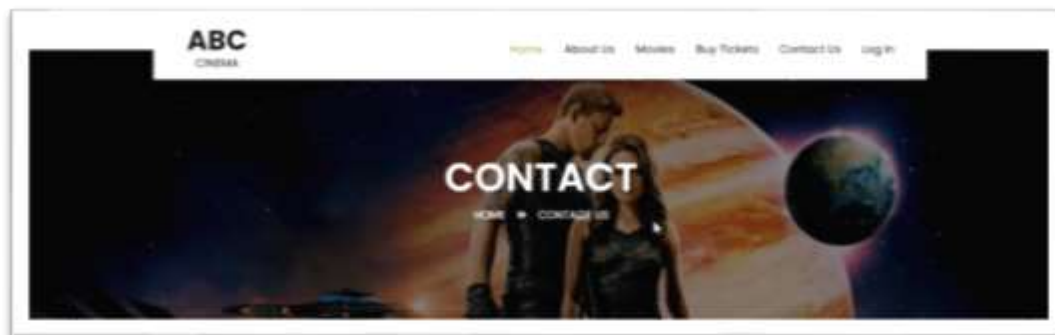
After clicking the "**payment here now**" icon, you will be taken to payment form. After providing your required details, click the "**continue payment**" icon and your payment will be successful.

Contact us page

Here, after providing your name, email, the matter and the massage, the data will be stored.

Login page

Here, you can access the website using your email and password. If the entered data is not correct, you can clear it and try again.
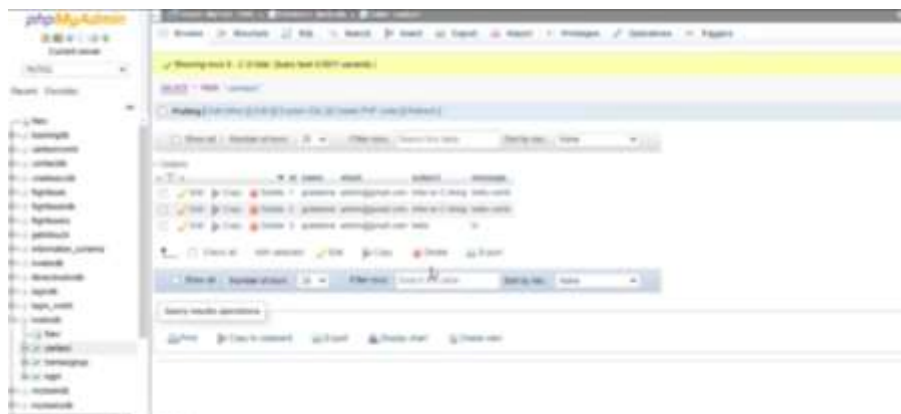
Databases

homesignup

Contact

Login

References

Youtube

W3 school

implantation of the website with JSP and servlets

https://stackoverflow.com/questions

https://github.com/

https://www.youtube.com/

SMS or Email
Add the chat bot

Paypal Sand-box configuration

https://youtu.be/KDcAvJ_jURk

Time frame:

	ID :	Name :	Start date:	End date:	2022		2023
					Nov 2022	Dec 2022	Jan 2023
∷	1	Website(front end)	Nov 30,2022	Dec 14, 2022	▆▆▆		
∷	2	Website(back end)	Dec 15,2022	Dec 30,2022		▆▆	
∷	3	Testing website	Dec 31,2022	Jan 2, 2023			▆
∷	4	Testing & security checkup	Jan 3,2023	Jan 10, 2023			▆
∷	5	Fix bugs & errors	Jan 11,2023	Jan 15,2023			▆

Team members

-Group 87-

Name (As per DLE)	Plymouth index number
Warnakulasuriya Fernando	10820888
Shashika Sawin Rodrigo	10818095
Dehiwala Nawodani	10820761
Jayasinghe Jayasinghe	10819579
Simenmeru Pathiranage Ashen Shamila	10818626
Rachindu Pasan Abeysekara	10828278

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