## Project and Professionalism
## (6CS007)

# [Online Movie Booking System]

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# Acknowledgement

# Abstract

Online movie ticket booking systems have made buying tickets quicker, easier, and more convenient compared to traditional methods. These systems let users check movie schedules, pick seats, and make secure payments from anywhere, at any time. For cinemas, they help manage operations more efficiently by handling seat bookings in real-time, reducing the need for ticket counters, and offering insights into customer preferences.

New technologies like artificial intelligence (AI) have made these systems even better by providing personalized movie suggestions, automating tasks, and improving efficiency. While they offer many benefits, challenges like ensuring security and making the system easy for everyone, including those less familiar with technology, still need to be addressed.

In the future, features like augmented reality (AR) for seat selection, social media integration for more engagement, and additional options like snack orders and discounts could make the experience even better. These improvements aim to keep up with new technology and make the system more useful for both customers and cinemas.

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# 1. Introduction

The creation of online movie ticket booking systems has become a crucial part of the modern movie industry, making it easier and faster for people to buy tickets. With the growth of technology, there is a greater need for simple, secure, and reliable online platforms, changing the way tickets are bought. This system allows customers to view movie listings, pick showtimes, and choose seats, all from their home or mobile phone. It also offers extra features like personalized suggestions, secure payment options, and 24/7 access, improving the overall experience for users.

For cinema operators, online booking systems bring benefits such as better efficiency and less reliance on physical ticket counters. As the movie industry embraces digital technology, these systems help make cinema operations smoother, manage seat reservations in real-time, and provide useful information about customer preferences and behaviors.

## 1.1 problem statement

Detailed explanation of the problem the project aims to address. The problem this project aims to solve is the lack of a single, easy-to-use platform for buying movie tickets. Right now, customers have to visit different websites for each cinema, which can be confusing and time-consuming. Additionally, cinemas still rely on manual methods to manage ticket bookings, track sales, and handle customer data, which can lead to mistakes and inefficiencies. This project seeks to create a centralized system that makes ticket booking easier for customers and helps cinemas manage their operations more effectively. This also help to avoid the selling of ticket in high price during peak times or for popular movies. - Significance and urgency of the problem. The significance of BookMyMovie lies in its ability to improve theater operations and the customer experience. It automates tasks like ticket sales and event scheduling, which saves time and reduces errors. By offering online ticketing, seat selection, and e tickets, it eliminates the need for long queues, making the process more convenient for customers. The system also collects valuable data, helping theater organizations make better decisions and tailor their services to customer preferences. Overall, BookMyMovie helps theaters operate more efficiently, boost customer satisfaction, and increase revenue. The problem is important and urgent because many theaters still use old, manual systems to manage ticket sales and customer data. This leads to mistakes, delays, and poor customer experiences, especially during busy times. As more people expect online services, theaters that don't update their systems could lose customers to competitors who offer easier ways to book tickets. Also, without proper data, theaters may miss chances to improve their operations and make more money. A solution like BookMyMovie is needed quickly to help theaters run more smoothly, keep customers happy, and stay competitive.

# 2. Aims and Objectives

## 2.1 Aims

The aim is to develop online movie ticket booking system that enhances the user experience by providing a seamless, efficient, and user-friendly platform for booking tickets across various devices and improve customer satisfaction by offering convenient features such as easy seat selection, secure payments, personalized recommendations, and 24/7 availability.

## 2.2 Objectives

- To create an online movie ticket booking system that makes buying tickets easier, faster, and more convenient, while being easy to use on different devices and platforms.

- To develop intuitive user interfaces to make the system easy to navigate for users unfamiliar with digital platforms.

- To provide training programs for cinema staff and users on how to use the system effectively.

- To integrate a performance monitoring system to analyze user adoption rates, identify challenges, and improve the system over time.

- To adapt the platform to support other services like snack orders, movie reviews, and promotional offers for future scalability.

- To make system that supports the local languages which makes user easy to use in rural area.

# 3. Artefact

## 3.1 FDD
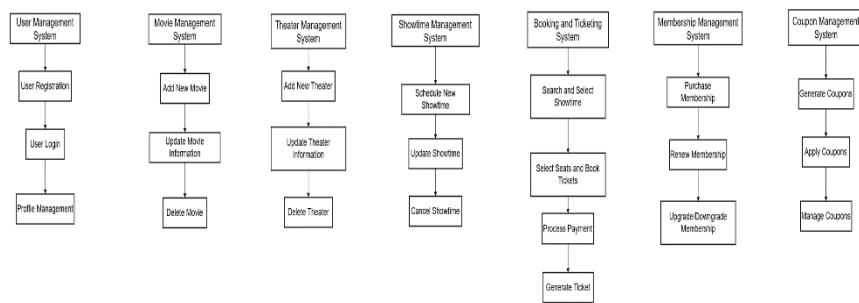


Figure 1: FDD diagram

## 3.2 Overview of the System

Imagine developing an Online Movie Ticket Booking System—a platform where users can browse movies, book tickets, and enjoy exclusive membership benefits. The Functional Decomposition Diagram (FDD) acts as a blueprint, outlining the key functions and subsystems required for seamless operation.

At the highest level, the system's main objective is to "Create an Online Movie Ticket Booking System." To achieve this, the system is divided into multiple subsystems, each responsible for a specific function—just like different departments in a company working together to ensure smooth operations.

## 3.2 Breakdown of Each Subsystem

Below is an overview of the key subsystems and their functionalities:

### 1. User Management System for admin

This module is the control panel for administrators, enabling them to:

- Login/Signup: Secure access for admins.
- Manage Movies & Theaters: Add, edit, or remove movie listings and theater details.
- Manage Showtimes & Seats: Set movie schedules and allocate seats.
- Control User Access: Manage user accounts and assign roles.
- Generate Reports: Analyze system usage and booking trends.

### 2. User Management System for user

This subsystem is for customers, allowing them to:

- Signup/Login: Create accounts and access the platform.
- View Profile: Check and update their personal details.
- View Booking History: Track past and upcoming movie bookings.
- Rate & Review Movies: Share feedback and ratings for watched movies.

### 3. Movie Management System

This module is responsible for movie-related activities, such as:
- Browse & Search Movies: Users can explore upcoming and currently available movies.
- Delete Movie: Allows administrators to remove movies from the system.

### 4. Theater Management System

This subsystem manages memberships and exclusive offers, allowing users to:

- Add New Theater: Allows administrators to add new theaters to the system.

- Update Theater Information: Allows administrators to update details of existing theaters.

- Delete Theater: Allows administrators to remove theaters from the system.

### 5. Showtime Management System:

- Schedule New Showtime: Allows administrators to create new showtimes.
- Update Showtimes: Allows administrators to modify existing showtimes.
- Cancel Showtime: Allows administrators to remove showtimes.

## 6. Booking and Ticketing System:

- Search and Select Showtime: Allows users to find and choose showtimes.
- Select Seats and Book Tickets: Allows users to choose seats and book tickets.
- Process Payment: Handles payment transactions.
- Generate Ticket: Creates and delivers the digital ticket to the user.

## 7. Membership Management System:

- Purchase Membership: Allows users to buy memberships.
- Review Membership: Allows users to view their membership details.
- Accept/Upgrade Membership: Handles membership upgrades and renewals.

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## 8. Coupon Management System:

- Generate Coupons: Allows administrators to create new coupons.
- Apply Coupons: Allows users to apply coupons during booking.
- Manage Coupons: Allows administrators to manage existing coupons.

# 4. Academic Question

How has the implementation of online movie ticket booking systems transformed the traditional cinema ticketing process?

Online movie ticket booking systems have changed the way people buy movie tickets, making it much easier and faster. In the past, people had to go to the theater, stand in long lines, and buy tickets in person. Now, with online booking, they can choose movies, select seats, and book tickets from their phones or computers anytime. This system also makes payments safer, offers discounts and rewards, and gives a better experience for moviegoers. For theaters, it helps reduce costs, avoid mistakes, and track customer preferences to improve services. Other features like pre-ordering snacks, scanning digital tickets, and using less paper make things even more convenient. Overall, online booking has made watching movies easier, smarter, and more enjoyable for everyone.

# 5.Scope and Limitation of the project
## 5.1 Scope

## What This Project Will Include:

- A simple and easy-to-use interface where users can browse movies, check seat availability, and book tickets without hassle.
- Online payment options such as eSewa, Khalti, and mobile banking to make transactions smooth and secure.
- A dashboard for theater managers to:
  - Add and update movie details.
  - Keep track of ticket sales.
  - Manage movie schedules efficiently.
- Secure storage of customer data, including ticket purchases and account details. Users will also be able to create accounts for a more personalized experience.
- Special features like promotional coupons, discount codes, and membership options to attract more customers and increase bookings.

## What This Project Will NOT Include:

- It won't support physical ticket printing or distribution.
- The platform is specifically designed for theaters in Nepal.
- It will not provide online movie streaming—it is only for booking tickets for theater screenings.

## 5.2 Limitations

- The project has a limited budget, which means some advanced features might not be included.
- There is a fixed time frame to complete the project, so some features may be given priority over others.
- With limited resources, the development process might take longer to complete.
- Technical challenges, such as server crashes due to high traffic, may occur when many users are using the system at the same time.

# 6. Literature Review

## 6.1 Usability analysis of the user interface of movie-related websites in terms of universal design

The user interface (UI) and user experience (UX) are crucial elements that significantly impact the performance of movie booking systems. A well-designed UI and UX can help reduce cognitive load, improve task efficiency and enhance the overall user experience when navigating the system. The study emphasizes the importance of intuitive design, responsiveness, and accessibility features to ensure a seamless booking process across various platforms.

Additionally, incorporating features such as personalized recommendations and an easy-to-use interface not only boosts the usability of the system but also increases user engagement and loyalty (Karol Bielec, Jakub Sokół, Maria Skublewska-Paszkowska, 2022).

A good movie booking system needs to be responsive, ensuring it works smoothly across devices like smartphones, tablets, and desktops, making it convenient for users wherever they are.

Accessibility features, such as screen reader support, adjustable text sizes, and high-contrast themes, ensure inclusivity for users with different abilities, broadening the platform's reach. Personalized recommendations enhance the experience by suggesting movies, showtimes, or offers tailored to user preferences, making the platform more engaging. A simple, easy-to-use interface further ensures that users of all technical skill levels can navigate effortlessly, completing tasks quickly and efficiently. By focusing on these aspects, movie booking systems can deliver greater satisfaction, attract more users, and build lasting loyalty.

## 6.2 A CASE STUDY ON ONLINE TICKET BOOKING SYSTEM

The article, "A Case Study on Online Ticket Booking System Project," by (Acharya, 2024), explains how an online movie ticket booking system works. The system allows users to easily buy movie tickets through a website. It is built using PHP and JavaScript for the back-end and HTML and CSS for the front-end. There are two main sections: one for administrators who can manage cinemas, movies, and showtimes, and one for customers who can browse movies, choose showtimes, and buy tickets. The article goes over how the system is designed, including the processes users follow, the way data is organized, and how different parts of the system interact. It also talks about how the system ensures a good user experience, with easy navigation and secure payment options. The research shows how this system can help both moviegoers and theater owners by providing features like movie lists, schedules, and ticket purchases. It also covers how the system is tested and how the data is managed. In summary, the article gives a clear overview of the online ticket booking system, its features, and how it benefits both users and theater managers.

## 6.3 A New approach for online movie ticket booking system

This article discusses a new system for booking movie tickets online. The goal is to make the process easier and faster by allowing people to book tickets from their computers or phones instead of going to the theater. The system allows users to choose movies, select seats, and cancel tickets if needed. It also helps theater owners by reducing the need for many staff members at the counter, as everything can be done online. The system provides useful details about movies, show times, and ticket prices, which can be managed by an admin. The system is available all day, every day, so customers can book tickets anytime. The article also introduces a feature where special users, called "prime users," can book more tickets during busy times, like holidays or when popular movies are released. Overall, this system makes booking tickets easier, saves time, and improves the experience for both customers and theater owners. The authors discuss the benefits of using technology to improve traditional movie ticketing methods (Arjun Kumar Mishra, Shashank Gupta, Rajeev Kumar, 2022).

## 6.4 Design of Information System to Support Movie Ticket Booking and Cinema Operations

The article discusses the creation of an online cinema ticket booking system designed to make the ticketing process easier for users and improve cinema management. The system uses a three-layer architecture: a React-based frontend for user interaction, a REST API backend for processing requests, and a database built with Entity Framework on the .NET platform. It allows users to check movie schedules, reserve or buy tickets, and manage their accounts. Administrators can update movie listings, track reservations, and analyze customer behavior. The system includes special features like loyalty points calculation and real-time seat availability tracking. By addressing issues like long queues and limited seating options, the system provides a modern, efficient solution to enhance user convenience and cinema operations. This work showcases the use of new technologies to meet current digital demands effectively (Sara Lazarevic, Tamara Zuvela, 2022).

The loyalty points program encourages users to book more often, helping build better customer relationships and increasing engagement. By solving problems like long queues at cinemas and difficulties with managing limited seating, the system improves the overall experience for users while helping cinema operators run their businesses more efficiently. This system shows how modern technology can solve today's challenges and provide benefits for both customers and businesses.

## 6.5 Enhancing User Experience in Online Movie Ticket Booking

The article discusses the design, development, and deployment of an online ticket booking system that focuses on improving the user experience. It highlights how online platforms have become crucial in the film industry, making ticket purchases easier for consumers. The paper covers important features like simple interface design, real-time seat availability, and secure payment methods. It also points out challenges such as ensuring the site works on different devices, keeping data up-to-date, and protecting users' payment details, and offers solutions to these problems (Vaidik Rao, Vansh Pratap, Rishabh Sharma, Jayshree Surolia, 2024).

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The article suggests possible future improvements like adding augmented reality for seat selection, providing personalized movie suggestions, and integrating social media to make the user experience more engaging. While the article provides useful insights into usability and accessibility, it doesn't go into much detail about the technology behind the systems or present much data to support its points. Despite these gaps, the article effectively shows how online booking systems have changed the movie industry and offers a strong base for future development in this field.

**6.6 Enhancing a Ticketing System with AI Intelligence**

The article explains how artificial intelligence (AI) is improving ticketing systems and customer service. It shows how AI can handle routine tasks like sorting, assigning, and solving tickets, making the process faster and reducing mistakes. AI uses machine learning to send tickets to the right agents based on their skills, availability, and the urgency of the request. It also uses tools like sentiment analysis to rank tickets by priority and offer personalized solutions, freeing up human agents to focus on more complicated issues.

The article explains the technical steps, like using past data, analyzing customer emotions, and applying language processing, to make ticketing systems more efficient. AI also helps businesses save time, cut costs, and manage more tickets as demand grows. While the article clearly shows the benefits of using AI, it could have discussed the challenges of setting up such systems. Overall, it offers useful information on how AI can make customer service faster, smarter, and more customer-friendly (Koka, 2024).

**6.7 CUSTOMER PREFERENCE AND SATISFATION TOWARDS ONLINE MOVIE TICKET BOOKING SYSTEM**

The article explores how people use online movie ticket booking systems and what influences their preferences and satisfaction. It highlights that feature like easy seat selection, 24/7 availability, and cashless payments make these systems convenient. The study shows that saving time and getting promotional offers are the main reasons customers prefer online booking. It also finds that factors like age, gender, income, and family size play a big role in how satisfied customers are. The article points out some common issues users face and suggests ways to improve the system. Overall, it emphasizes the growing popularity of digital booking and its impact on users' experiences (s.M. Yamuna, Mrs R Shiji, 2020).

The research also looks at how things like age, gender, income, and family size affect how satisfied users are. For example, younger users might care more about how fast and easy the system is, while families might be more interested in affordable prices and finding seats together. The study also points out common problems users face, like technical issues, payment problems, or difficulty using the platform, and suggests ways to improve the system to make it more reliable. In conclusion, the article highlights the growing popularity of online ticket booking systems and how they impact user experiences. It stresses the need to keep improving these platforms to meet different user needs and ensure high satisfaction, showing how much digital solutions are becoming a key part of the entertainment industry.

# 7. Project Methodology

## 7.1 Why Agile?

I chose Agile for this project because it is flexible and allows us to adapt to changes easily. Since an online movie ticket booking system involves different features like user accounts, payments, and special offers, Agile helps us build and improve the system step by step. Instead of planning everything in advance, we can develop small parts of the system, get feedback, and make changes as needed. This way, we can quickly fix issues, add new features based on user needs, and ensure the final product is efficient and user-friendly.

## 7.2 Why SCRUM?

I've chosen SCRUM for this project because it works well with the changing nature of the online movie ticket booking system. Since the system involves things like user accounts, ticket booking, payment methods, and special offers, SCRUM helps by allowing regular feedback and the ability to make changes during the development process. This ensures that the platform can adapt quickly to what users want as the project moves forward.

SCRUM also focuses on delivering small, working features in short cycles or sprints. This means we can focus on important features like ticket booking and payment integration first. With a tight timeline and limited resources, SCRUM helps us prioritize the most important tasks to ensure we meet our deadlines and deliver a good product. Plus, SCRUM's focus on teamwork and clear communication makes it easier for everyone to stay on the same page and solve problems quickly.

# 8. Different Technology and Tools used for the project

## 8.1 Why These Tools and Techniques?

I've chosen the MERN stack (MongoDB, Express.js, React.js, and Node.js) because it allows me to use JavaScript for both the frontend and backend. This makes development simpler, as I don't have to switch between different languages. By using one language throughout, the team can focus on a single technology stack. The MERN stack is also scalable, which is important as the ticket booking system might have high traffic in the future.

- MongoDB is great for storing dynamic content like movie schedules, user profiles, and booking info, giving us the flexibility needed for the project.
- Express.js and Node.js are fast and lightweight, which is perfect for handling the real-time requests of a booking system.
- React.js helps create a smooth, interactive user interface, allowing users to make bookings easily with real-time updates.

## 8.2 Which Programming Language and Framework?

- Programming Language: I'm using JavaScript for both the frontend and backend, ensuring consistency across the entire project.
- Frontend Framework: React.**js** is used to build the user interface, making it fast and dynamic, with reusable components.
- Backend Framework: Express.js (running on Node.js) will handle the backend logic, managing APIs and connecting to the database.

## 8.3 Tools Used

- IDE: I'm using VS Code because it's lightweight, highly customizable, and supports a lot of useful extensions for JavaScript, React, and Node.js development.
- GIT Client: For version control, I use Git to track changes in the code, and GitHub to manage the project remotely, ensuring collaboration and proper code backups.

## 8.4 Icon Package or Font

For icons, I'm considering using Font Awesome. It will make it easy to add commonly used icons (like those for bookings, payments, and user profiles) to the interface. As for fonts, I'll likely go with Roboto or Open Sans to keep the text clean, readable, and modern.

## 8.5 Unit Testing and Mock Testing Frameworks

I'm using Postman to test the Express.js backend API endpoints. Postman helps me manually check the different routes, validate the responses, and ensure everything works as expected. This ensures that the backend functions correctly before going live, improving the quality of the system.

## 8.6 Package Manager

I'm using npm (Node Package Manager) **to** manage project dependencies, install packages, and keep track of versions. It's ideal for a Node.js project and will help manage all the libraries and tools needed for the development.

# 9. Artefact Designs

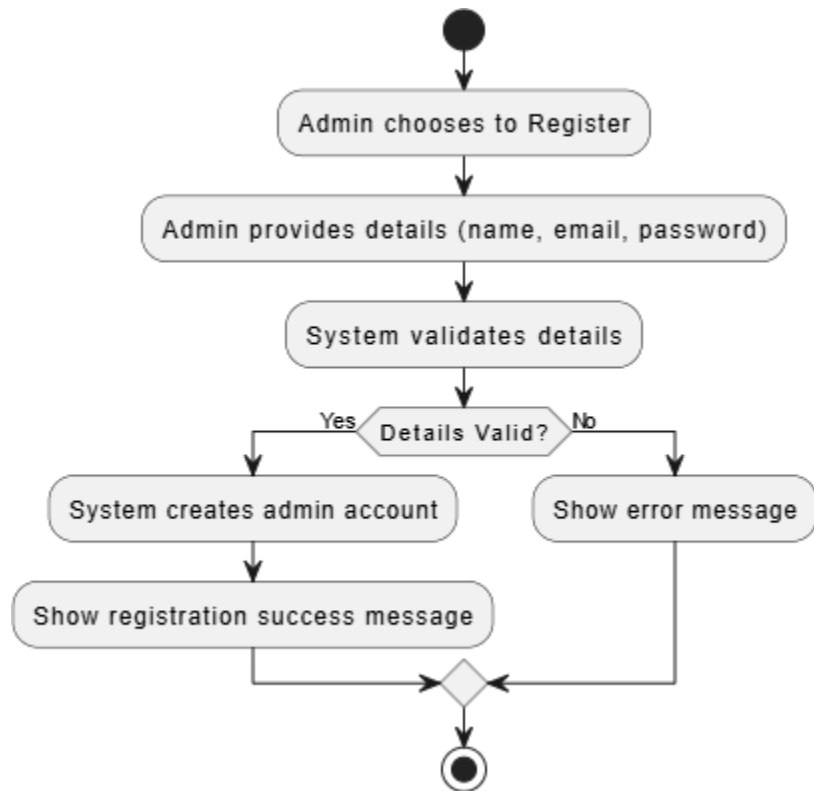## 9.1 User Management System for Admin



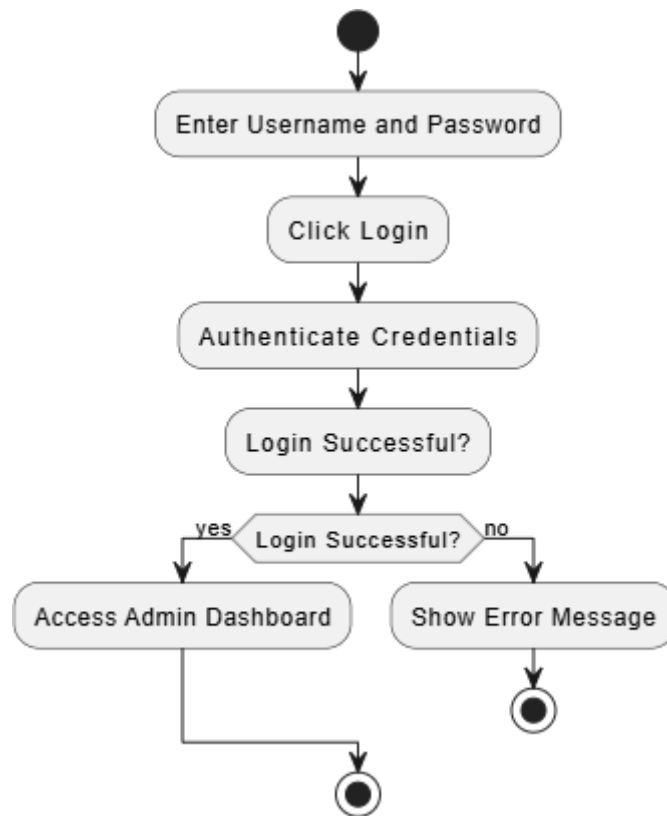Figure 2 : Activity diagram for admin registration
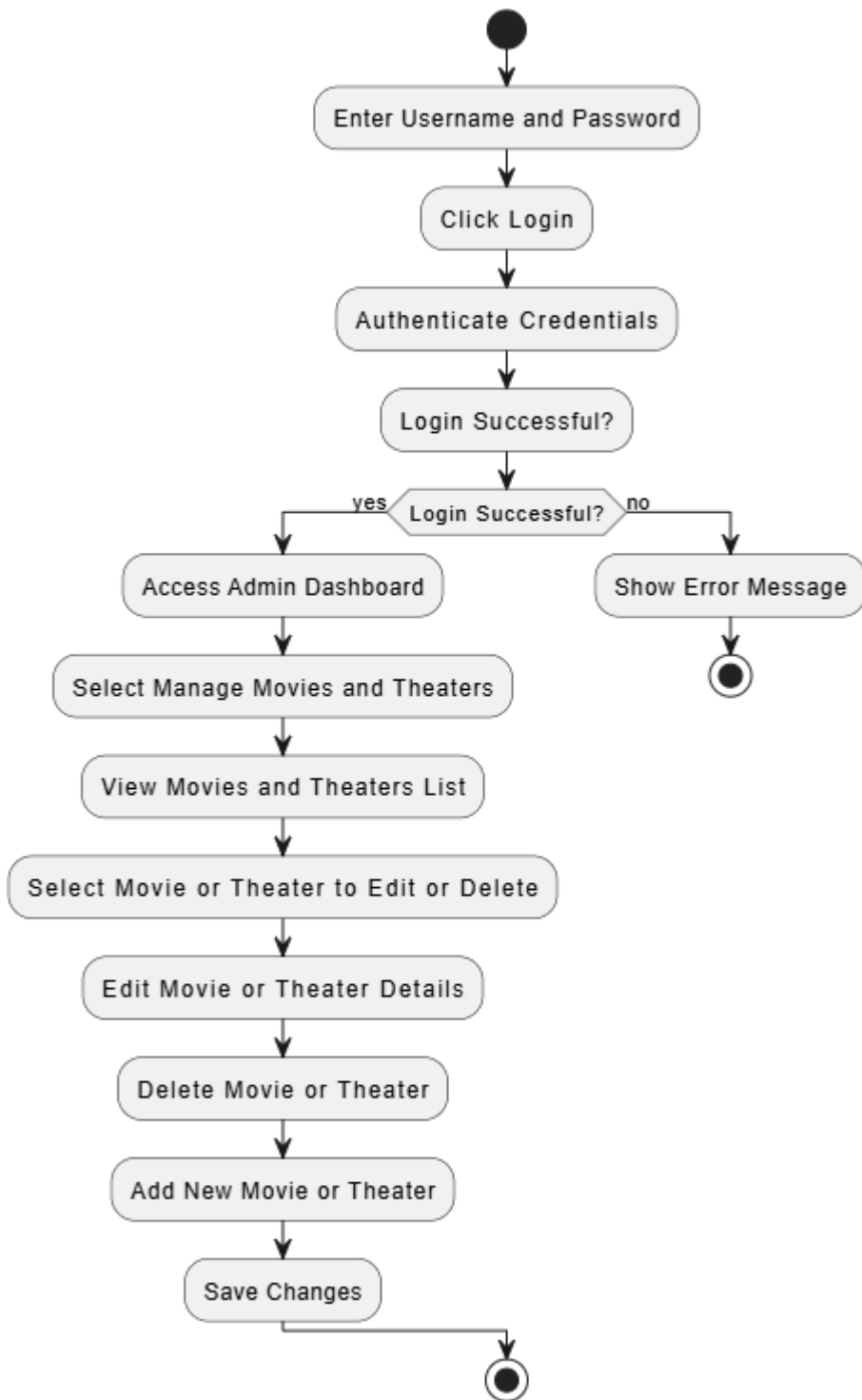
*Figure 3: Activity diagram for admin login*

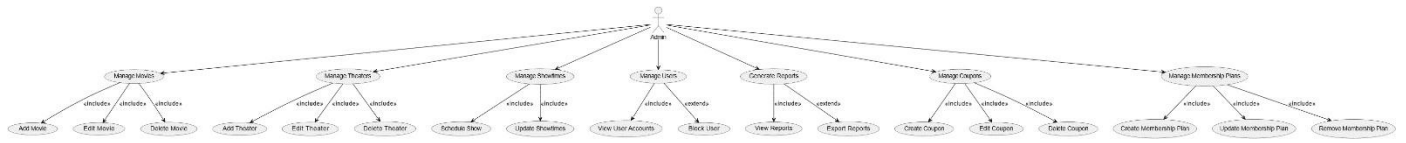Figure 4: Activity diagram for managing movies and theater

Figure 5: Use case diagram for admin management system
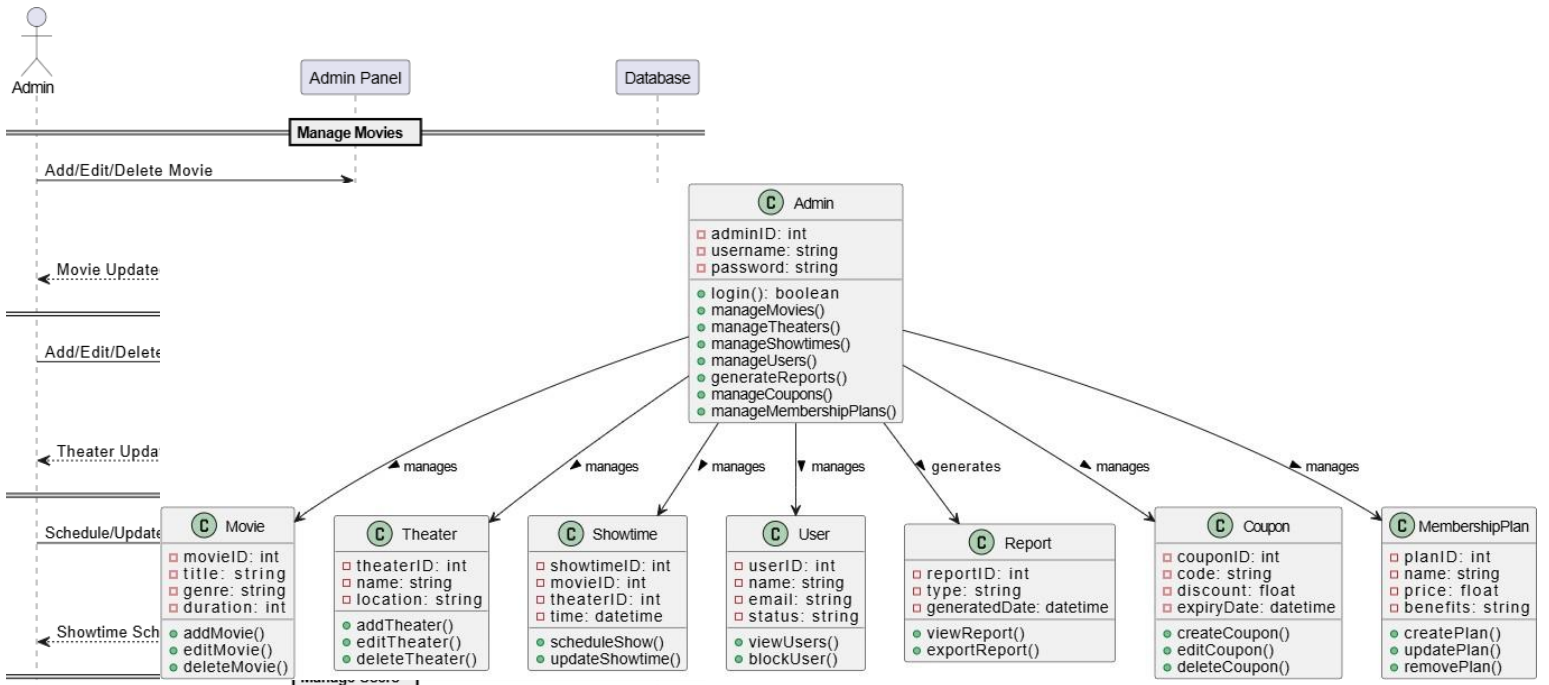
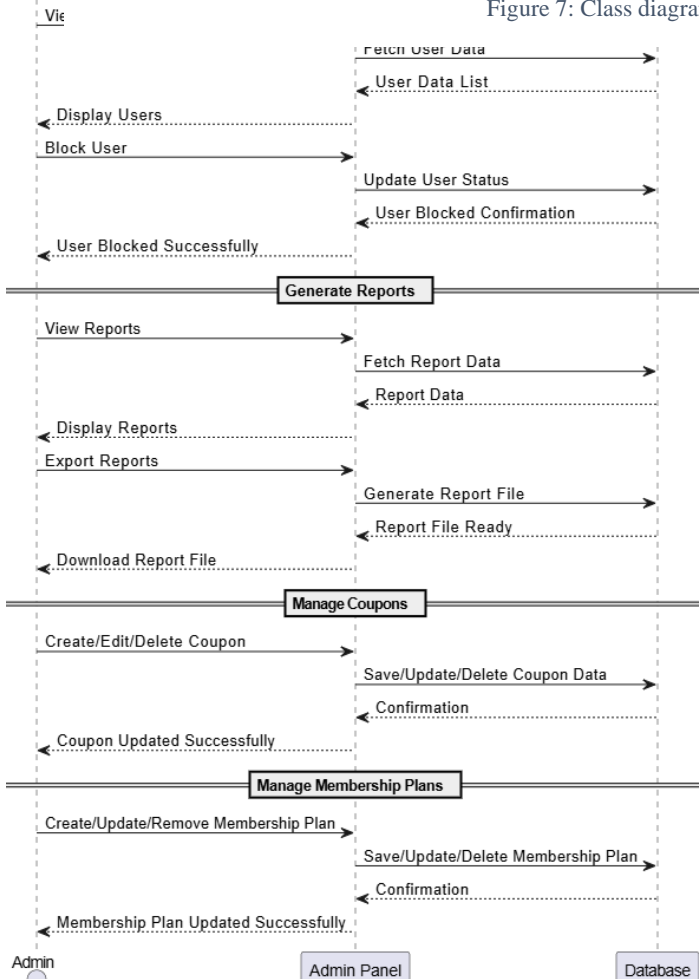Figure 7: Class diagram for admin management system



Figure 6: Sequence diagram for admin management system
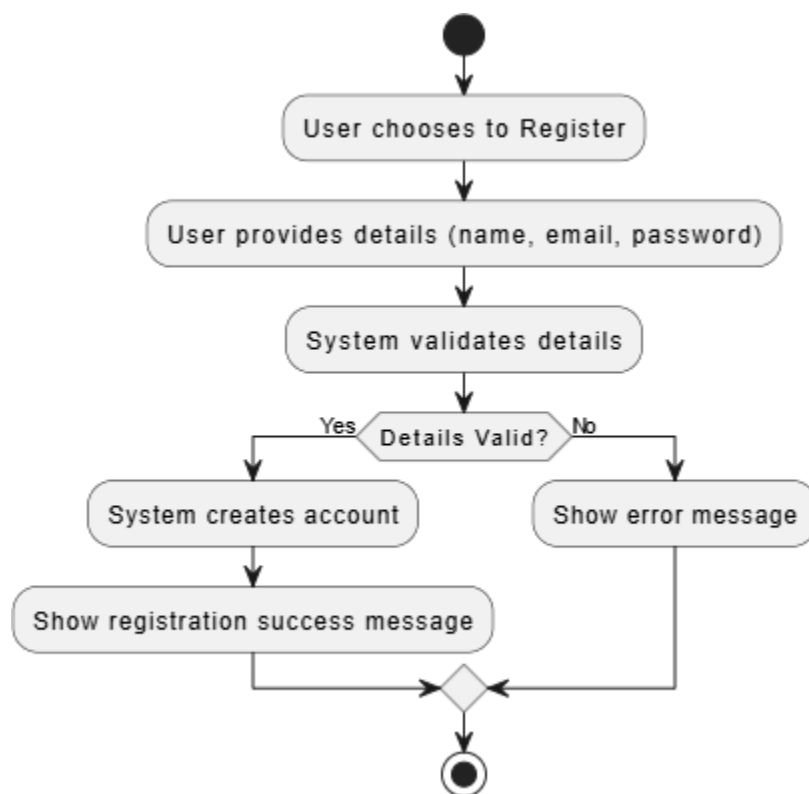
## 9.2 User Management System



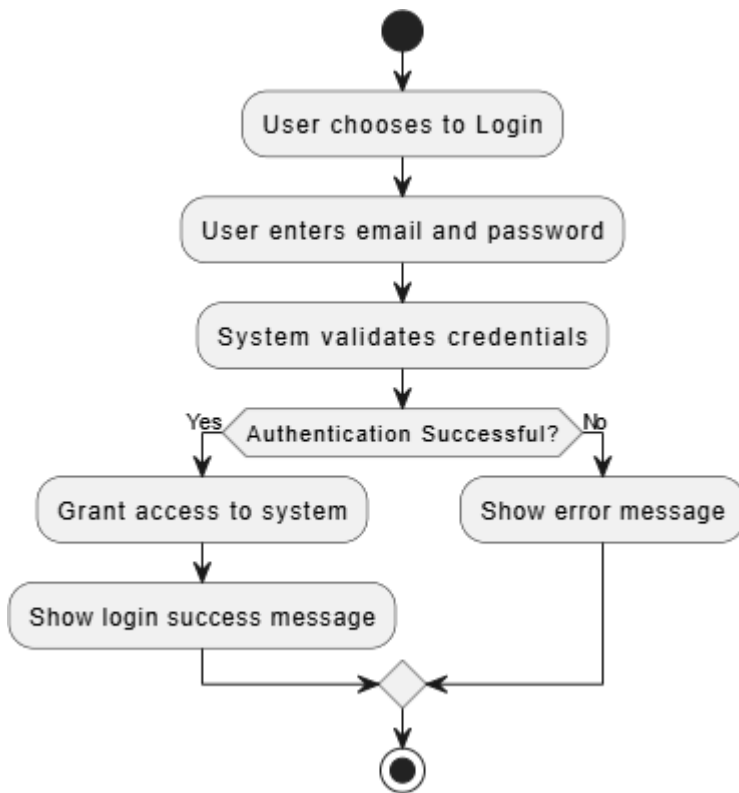Figure 8: Activity diagram for user registration
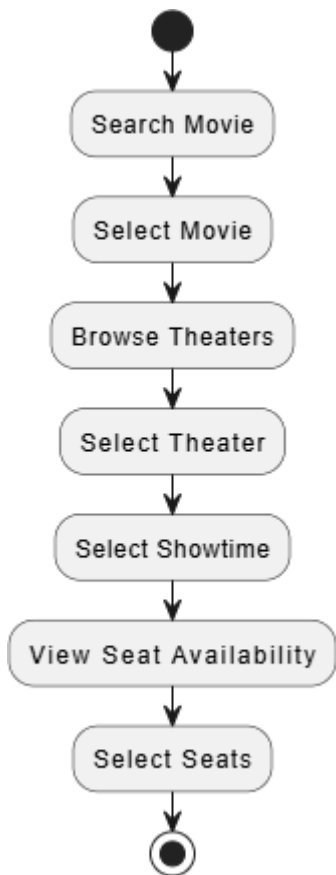
Figure 9: Activity diagram for user login
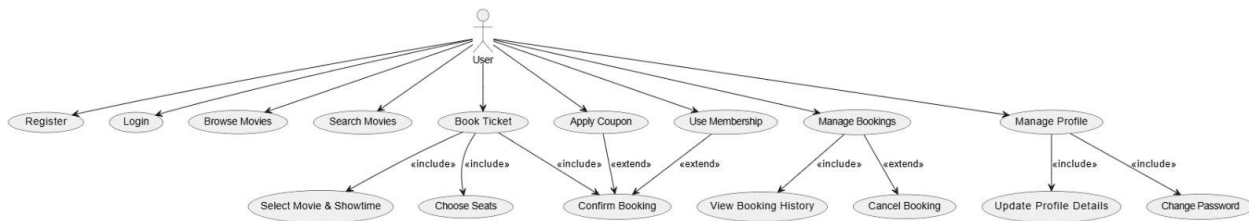
Figure 10: Activity diagram for user movie and theater



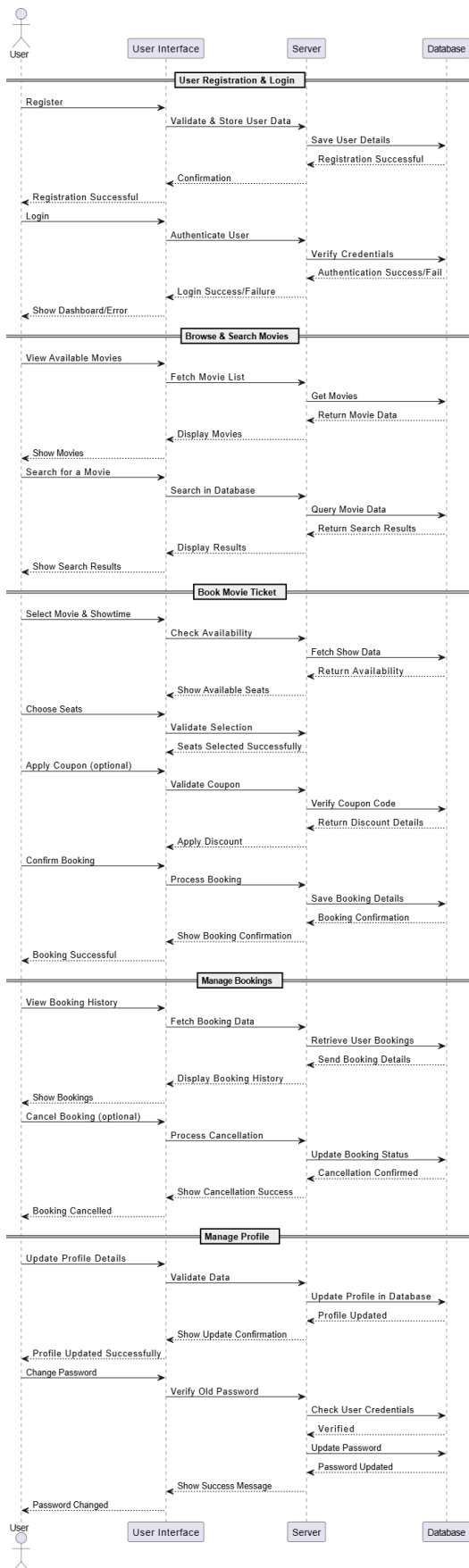Figure 11: Use case diagram for user management system

User

User Interface    Server    Database

**User Registration & Login**

Register →

Validate & Store User Data →

Save User Details →

Registration Successful ←

Confirmation ←

Registration Successful ←

Login →

Authenticate User →

Verify Credentials →

Authentication Success/Fail ←

Login Success/Failure ←

Show Dashboard/Error ←

**Browse & Search Movies**

View Available Movies →

Fetch Movie List →

Get Movies →

Return Movie Data ←

Display Movies ←

Show Movies ←

Search for a Movie →

Search in Database →

Query Movie Data →

Return Search Results ←

Display Results ←

Show Search Results ←

**Book Movie Ticket**

Select Movie & Showtime →

Check Availability →

Fetch Show Data →

Return Availability ←

Show Available Seats ←

Choose Seats →

Validate Selection →

Seats Selected Successfully ←

Apply Coupon (optional) →

Validate Coupon →

Verify Coupon Code →

Return Discount Details ←

Apply Discount ←

Confirm Booking →

Process Booking →

Save Booking Details →

Booking Confirmation ←

Show Booking Confirmation ←

Booking Successful ←

**Manage Bookings**

View Booking History →

Fetch Booking Data →

Retrieve User Bookings →

Send Booking Details ←

Display Booking History ←

Show Bookings ←

Cancel Booking (optional) →

Process Cancellation →

Update Booking Status →

Cancellation Confirmed ←

Show Cancellation Success ←

Booking Cancelled ←

**Manage Profile**

Update Profile Details →

Validate Data →

Update Profile in Database →

Profile Updated ←

Show Update Confirmation ←

Profile Updated Successfully ←

Change Password →

Verify Old Password →

Check User Credentials →

Verified ←

Update Password →

Password Updated ←

Show Success Message ←

Password Changed ←

User

User Interface    Server    Database

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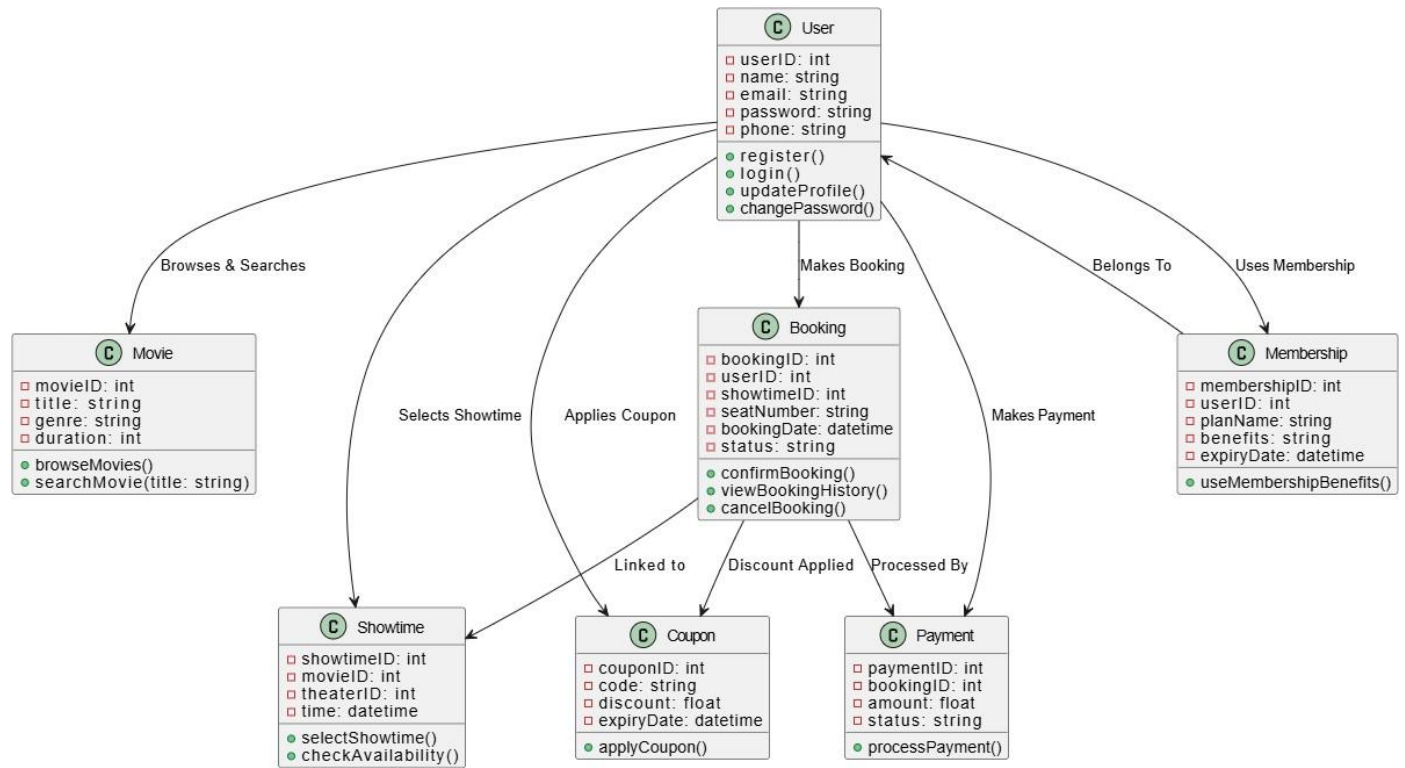Figure 12: Sequence diagram for user management system



Figure 13: Class diagram for user management system
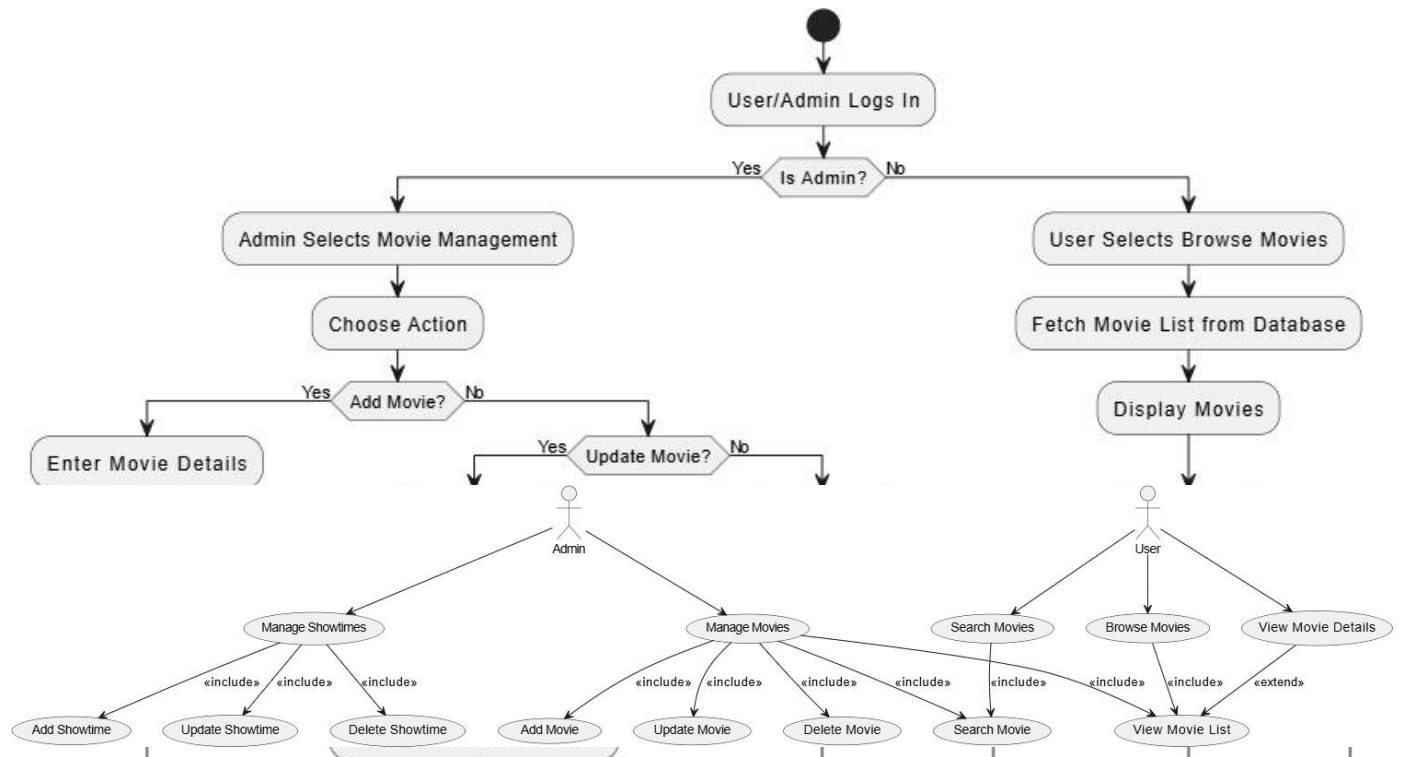
# 9.3 Movie Management System



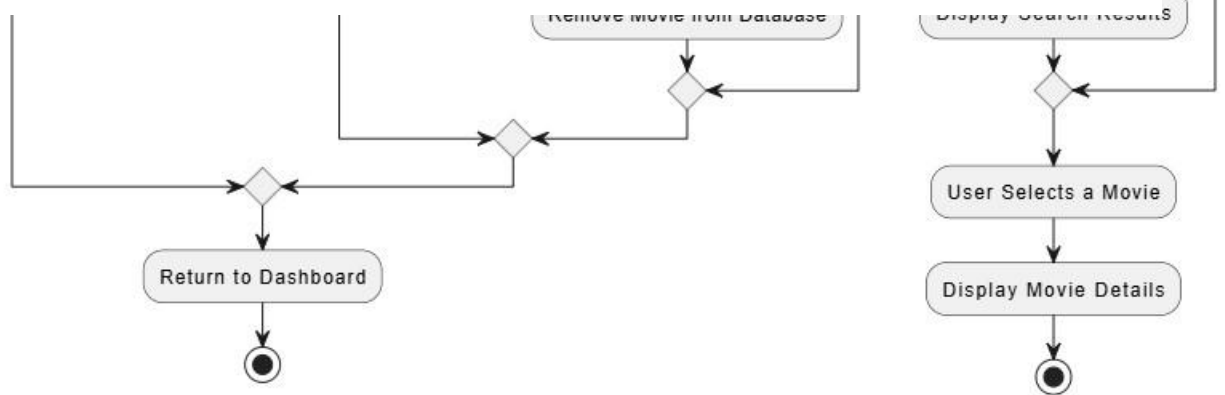Figure 15: Use case for movie management

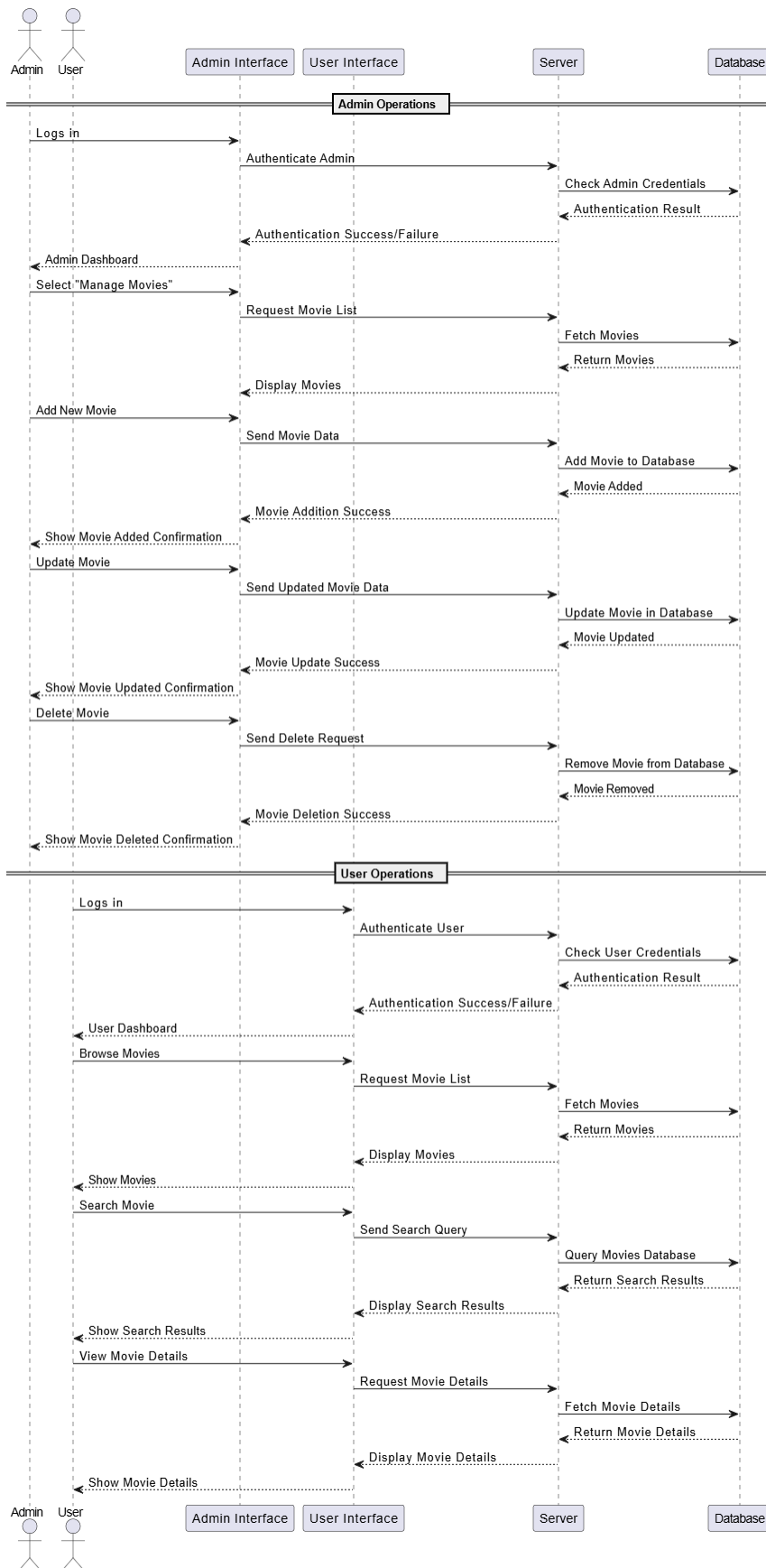Figure 14: Activity diagram for movie management

**Admin** **User** **Admin Interface** **User Interface** **Server** **Database**

**Admin Operations**

Logs in →

Authenticate Admin →

Check Admin Credentials →

Authentication Result ←

Authentication Success/Failure ←

Admin Dashboard ←

Select "Manage Movies" →

Request Movie List →

Fetch Movies →

Return Movies ←

Display Movies ←

Add New Movie →

Send Movie Data →

Add Movie to Database →

Movie Added ←

Movie Addition Success ←

Show Movie Added Confirmation ←

Update Movie →

Send Updated Movie Data →

Update Movie in Database →

Movie Updated ←

Movie Update Success ←

Show Movie Updated Confirmation ←

Delete Movie →

Send Delete Request →

Remove Movie from Database →

Movie Removed ←

Movie Deletion Success ←

Show Movie Deleted Confirmation ←

**User Operations**

Logs in →

Authenticate User →

Check User Credentials →

Authentication Result ←

Authentication Success/Failure ←

User Dashboard ←

Browse Movies →

Request Movie List →

Fetch Movies →

Return Movies ←

Display Movies ←

Show Movies ←

Search Movie →

Send Search Query →

Query Movies Database →

Return Search Results ←

Display Search Results ←

Show Search Results ←

View Movie Details →

Request Movie Details →

Fetch Movie Details →

Return Movie Details ←

Display Movie Details ←

Show Movie Details ←

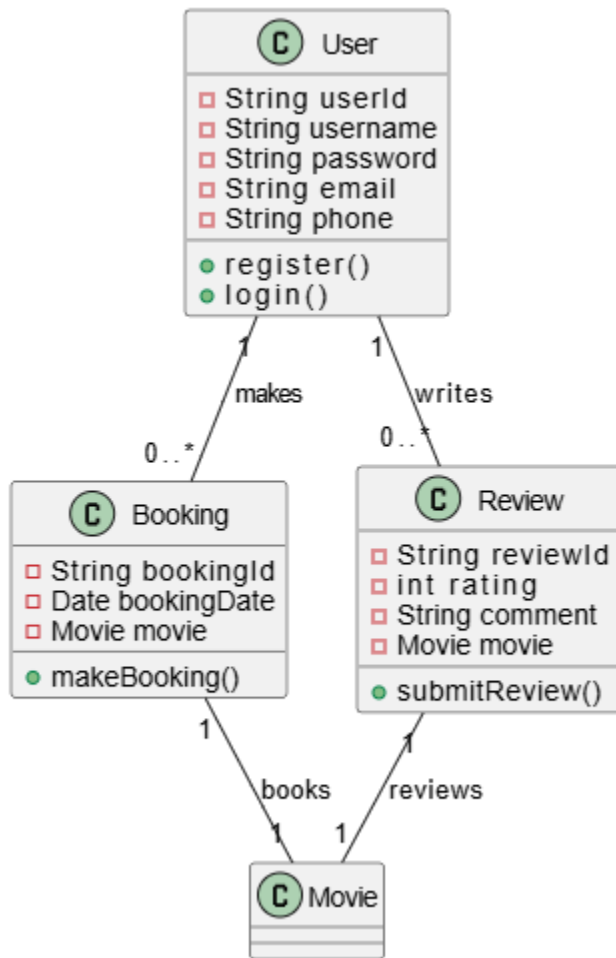**Admin** **User** **Admin Interface** **User Interface** **Server** **Database**

Figure 17: class diagram for admin movie management

Figure 18: class diagram for user movie management

## 9.4 Wireframe



Figure 19: Signup login
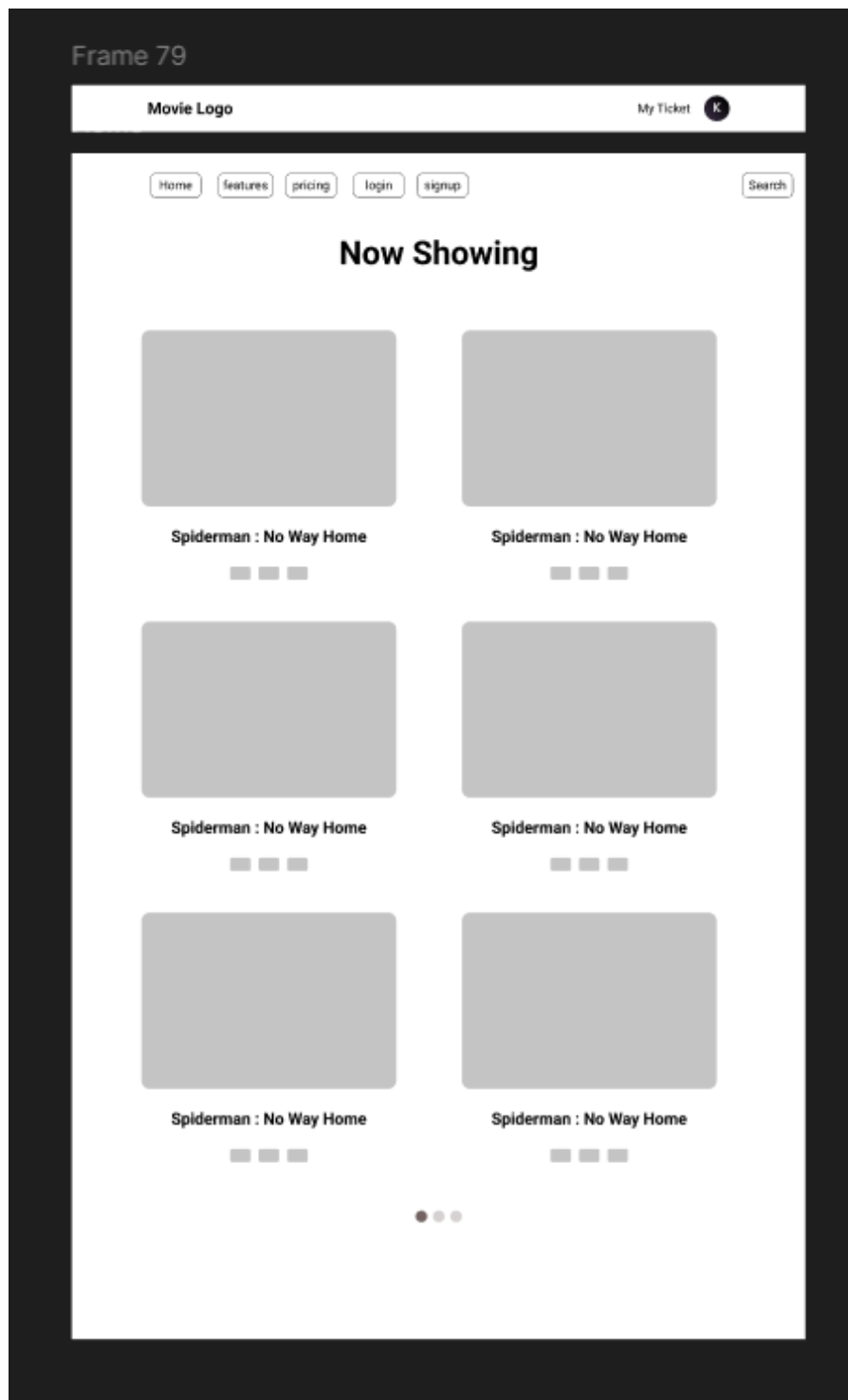
Figure 20: Home Page
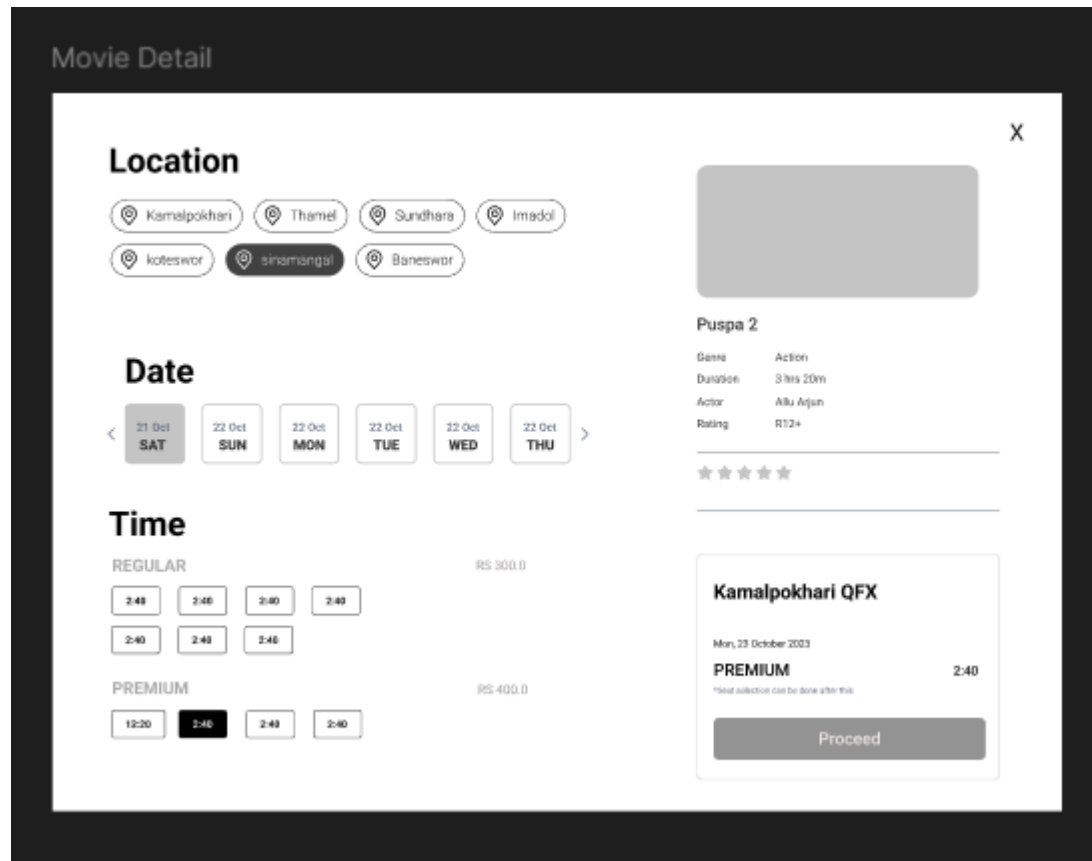
Figure 21: Theater and Showtime Page

Figure 22: Seat Selection Page

## Booking Detail

### Schedule

Movie
**SPIDERMAN NO WAY HOME**

Date
**MON, 23 OCTOBER 2024**

Hall       Time
**PREMIUM CLASS**    **2:40**

Tiket (3)
**C8, C9, C10**

### Order Summary

**Detail Transaction**
REGULAR SEAT       Rs. 300.0   x3

**Promo & Voucher**
VOUCHER MOVIE      Rs. 100.0 x3

**Total**       Rs. 600.0

**Payment Method**
★ Esewa
★ Khalti

*Ticket purchase cannot be canceled

**Checkout Ticket**

X

Figure 23: Booking and Payment Page
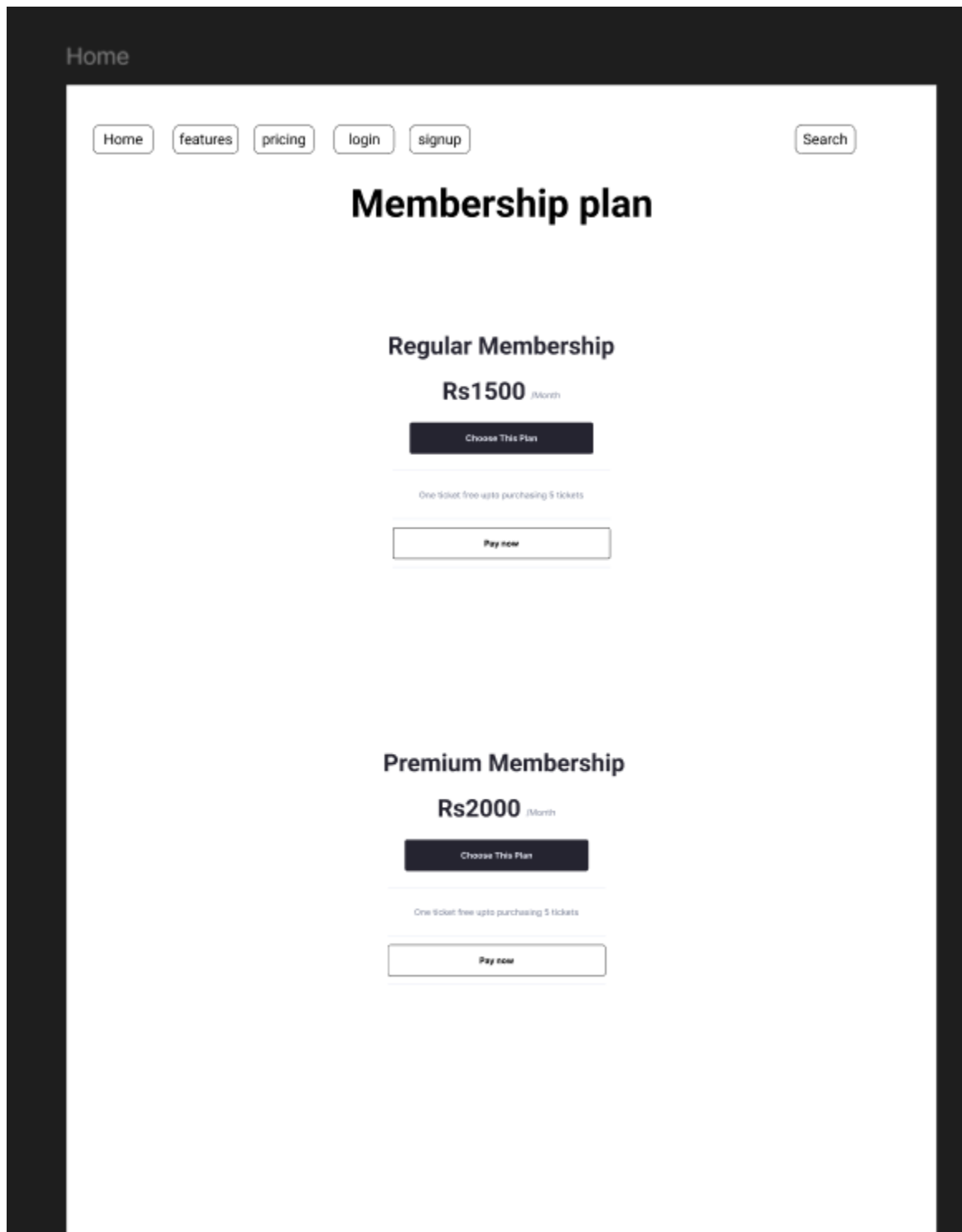
Figure 24: Ticket Page

Figure 25: Membership Option Page

# 10. Conclusion

# 11. Critical Evaluation of the Project

# 12. Evidence of Project Management

## 12.1. Log Sheet - Signed and Scanned by supervisor

**Faculty of Science and Engineering**
**School of Mathematics and Computer Science**

UNIVERSITY OF
WOLVERHAMPTON

| PROJECT MANAGEMENT LOG | |
|---|---|
| First Name: Kushal | Surname: Baniya |
| Student Number: 2357808 | Supervisor: Sunam Shrestha |
| Project Title: Online Movie Booking | Month: February |

**What have you done since the last meeting**

I have completed the backend of ~~Movie~~ Seat and ~~theater~~ Showtimes

**What do you aim to complete before the next meeting**

In the Next meeting, I will complete the backend of coupon redemption and membership option.

**Supervisor comments**

We confirm that the information given in this form is true, complete and accurate.

Student Signature: _Kush_          Date: _____

Supervisor Signature: _Sun_        Date: _____

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**School of Mathematics and Computer Science**

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WOLVERHAMPTON

| PROJECT MANAGEMENT LOG | | | |
|---|---|---|---|
| First Name: Kushal | | Surname: Baniya | |
| Student Number: 2357805 | | Supervisor: Sunam Shrestha | |
| Project Title: Online Movie Booking | | Month: February | |

**What have you done since the last meeting**

I have ~~started th~~ completed the design of database schema. I have made setup for backend of express js. and I also have completed the backend of login - Signup component.

**What do you aim to complete before the next meeting**

I will complete the backend of movie and theater.

**Supervisor comments**

We confirm that the information given in this form is true, complete and accurate.

Student Signature: _____  Date: _____

Supervisor Signature: _____  Date: _____

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**Faculty of Science and Engineering**
**School of Mathematics and Computer Science**

**UNIVERSITY OF WOLVERHAMPTON**

### PROJECT MANAGEMENT LOG

| | | | |
|---|---|---|---|
| First Name: Kushal Baniya | | Surname: | Baniya |
| Student Number: 2357808 | | Supervisor: | Mr. Sunam Shrestha |
| Project Title: Online MovieBooking | | Month: | March |

**What have you done since the last meeting**

J have done few changes in coupon like every user can access the coupon and stores how many user have use the coupon

**What do you aim to complete before the next meeting**

J will add limit to the coupon code.
J will research about membership option,

**Supervisor comments**

- Manage coupon reedemson and it flow.

We confirm that the information given in this form is true, complete and accurate.

Student Signature: _____     Date: 2025/03/18

Supervisor Signature: _____     Date: 2025/03/18

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**School of Mathematics and Computer Science**

UNIVERSITY OF WOLVERHAMPTON

| PROJECT MANAGEMENT LOG | |
|---|---|
| First Name: Kushal | Surname: Baniya |
| Student Number: 2357803 | Supervisor: Mr. Sunam Shrestha |
| Project Title: Online Movie Booking | Month: March |

**What have you done since the last meeting**

I have added limit to the coupon and done some research about membership

**What do you aim to complete before the next meeting**

I will complete backend and will start the frontend part

**Supervisor comments**

- Include membership and showtime.

We confirm that the information given in this form is true, complete and accurate.

Student Signature: _____

Supervisor Signature: _____

Date: 2025/21/03

Date: 2025/03/21

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| Student Number: 2357805 | Surname: Baniya |
| Project Title: Online Movie Booking | Supervisor: Sunam Shrestha |
| | Month: ~~Feb~~ March |

### What have you done since the last meeting

I have done backend of coupon redempt-ion and also I have researched slightly about khalti payment gateway.

### What do you aim to complete before the next meeting

I will complete all the backend except payment and will start working on frontend part.

### Supervisor comments

- Coupon redemption flow should be properly managed.
  - Same coupon should be valid for all users
  - coupon can be used only once.

onfirm that the information given in this form is true, complete and accurate.

ent Signature: _____     Date: 2023/03/07

visor Signature: _____     Date: _____

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**School of Mathematics and Computer Science**

UNIVERSITY OF **WOLVERHAMPTON**

### PROJECT MANAGEMENT LOG

| | |
|---|---|
| First Name: Kushal | Surname: Baniya |
| Student Number: 2357805 | Supervisor: Sunam Shrestha |
| Project Title: Online Movie Booking | Month: February |

**What have you done since the last meeting**

I have completed the backend of Movie and theater.

**What do you aim to complete before the next meeting**

I will complete the backend of seat and showtimes.

**Supervisor comments**

- Research on online payment.

We confirm that the information given in this form is true, complete and accurate.

Student Signature: _____ Date: 2025|02|28

Supervisor Signature: _____ Date: _____

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**School of Mathematics and Computer Science**

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WOLVERHAMPTON

### PROJECT MANAGEMENT LOG

First Name: Kushal

Student Number: 2357805

Surname: Baniya

Project Title: Book My Movie (Online Movie Ticket Booking)

Supervisor: Sunam Shrestha

Month: December

**What have you done since the last meeting**

I have completed wireframe for Desktop and also protoyping.

**What do you aim to complete before the next meeting**

I will complete wireframe for mobile, tablet to make it more responsive

**Supervisor comments**

Complete wireframing, start project setup & requirement gathering.

We confirm that the information given in this form is true, complete and accurate.

Student Signature: _____     Date: 20th Dec 2024

Supervisor Signature: _____     Date: 20th Dec 2024

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**UNIVERSITY OF WOLVERHAMPTON**

## PROJECT MANAGEMENT LOG

| | |
|---|---|
| st Name: Kushal | Surname: Baniya |
| Student Number: 2357805 | Supervisor: Sunam Shrestha |
| Project Title: Book my Movie (Online Movie Booking) | Month: December |

### What have you done since the last meeting

In the last meeting, we discussed about the project proposal, its goals and features. Based on the outcome of the previous meeting I have started the ~~designing process~~. I have not completed yet. Coding ~~foo~~ research.

### What do you aim to complete before the next meeting

Before, the next meeting. I am aiming to complete all the wireframe and start the prototype design of Book my Review.

### Supervisor comments

Complete wire framing and prototyping.

We confirm that the information given in this form is true, complete and accurate.

Student Signature: _____     Date: 2024/12/13

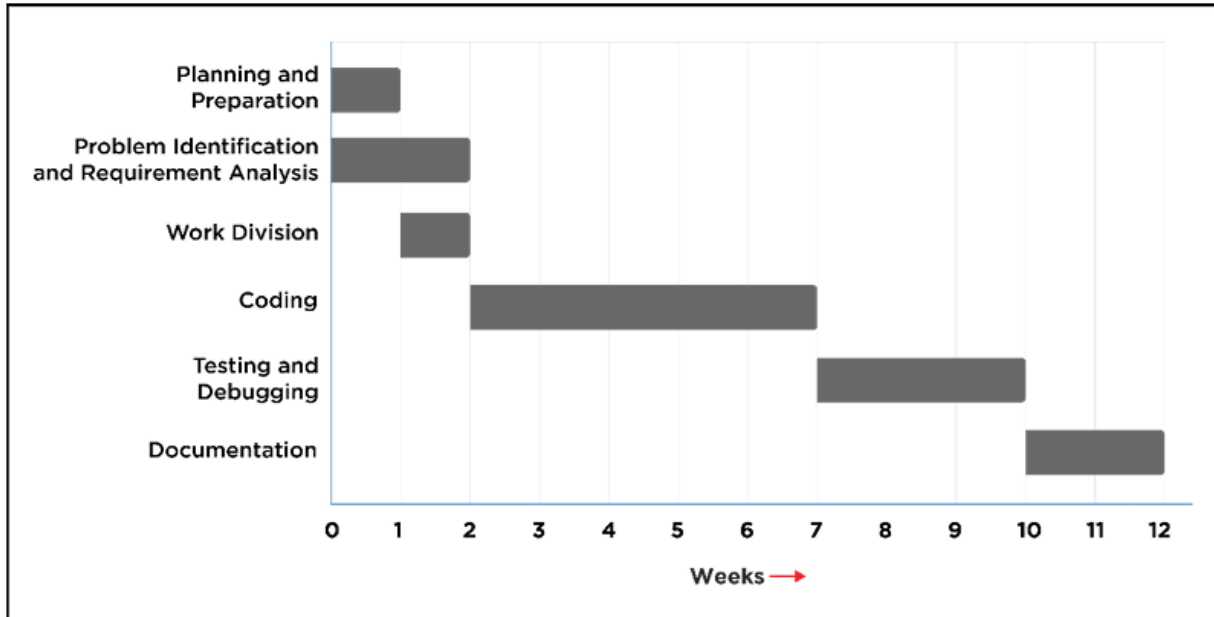Supervisor Signature: _____     Date: 2024/12/13

## 12.2. Gantt Chart



*Figure 26: Gantt chart*

# 13.References

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# 14. Appendices