

# Website

## Online Movie Ticket Booking



**1st Sem, 2nd Year**

**University of Plymouth**

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## a) Introduction

ABC Cinemas is an enhanced online movie ticket booking system that is supposed to bring the audience a more comfortable experience. Users can easily navigate on the Movies list to see the list of Movies, view the showtimes, choose their favourite seat positions and purchase tickets online from our platform.

The included features easy to use like, the real time seat availability, the payment options, and the recommended seat options to make the movie watching even more exciting. Established to be reliable, accessible and technically advanced, ABC Cinemas targets at the revolution of how the audience engages with the most popular Movies by using of various technologies like Imax, Dolby Atmos, etc on various locations.

Most importantly this platform already consists of multiple payment options like Credit, Debit cards and PayPal Payment. To improve user friendly service users can receive their online tickets to their Emails and create their own user accounts on this platform. ABC Cinemas delivers superior ticketing experience for any movie, Hollywood, Bollywood or Sinhala movie, making it easier for all movie fans out there.

## b) Identified Processes in ABC Cinemas

These are the key processes of developing ABC Cinemas website that ensure a seamless user interface, experience and functional design,

### 1. Navigation bar, Footer and layout designs.

- Objective :- Design a structured Navigation bar and a Footer design to interconnect all the pages such as Home, Movies, Deals, Locations, About Us, Contact Us, Terms and Customer Feedback.
- Process :- Using Html, Java Script and CSS ( inline / external – style.css ) codes to customize them and using front-end frameworks like Bootstrap to fully responsive.
- Purpose :- Provides users an eye catching design and ensure a well organized layout for smooth navigation through the entire website.
- Flow :- Navigation bar and the footer will redirect the user to pages that user willing to hit.

### 2. Home Page content Integration.

- Objective :- Users can easily book most popular movies, view coming soon movies and giving users a structural idea about our whole website.
- Process :- Html, CSS ( style.css ) and using JS create to some functions like Pre loader, Scroll Up button, Coming Soon image slider, etc.
- Purpose :- As the first displaying page of the website, giving the users a better idea and improve the user experience from the start point.
- Flow :- By hitting the related button or the linked text user will direct to it's page.

### **3. Movies Page and Buy Tickets Page flow.**

- Objective :- These pages include all the Movies of our website have. Users can search or select a movie then users hit on the Book Now button and it will direct to the Seats selections.
- Process :- Html, CSS ( Movies.css / Buy.css ) and use of the JS codes to create the functionality of the search bars in the each page.
- Purpose :- These Pages are the main executions of the website. Users need to search or select any movie by their likes and Book it smoothly. Needs to have a better execution.
- Flow :- By hitting Book Now button under the movie that user wants to book, will direct the user to the seats selecting page under the selected movie title.

### **4. Date, Time and Seats Selecting Page.**

- Objective :- Date and Time selection then need to build a quality design for seats selecting.
- Process :- Html, CSS ( seats.css ) and using some JS to creation of the seats selection. And use JS to avoid booking collisions. Creation of Available, Selected, Booked seats creation.
- Purpose :- One of the main function of our website that user needs to book their favorite seat positions and Dates, Times under the selected movie without any booking inconvenience.
- Flow :- After selecting user's Date, Time and number of seats then user has to click on the Book button. Then it will direct the user to Payment page user the selected Movie title and other selected Movie details.

### **5. Payment Page with multiple methods.**

- Objective :- Needs to build a quality online payment page with multiple payment methods specially with PayPal payment.
- Process :- Html, CSS ( payment.css ) and use of JS to create the prompt boxes about payments. Specially need of JS codes to add PayPal sandbox configuration.
- Purpose :- Another main function that users are very aware of our website. Users need use their own online payment methods as their willing.
- Flow :- After agreeing to our terms user can pay by user's favorite payment method.

### **6. Customer feedback system on the Contact Us page.**

- Objective :- Visualization of the Customer feedback system is essential for this website. And the contact methods of the ABC Cinemas.
- Process :- Html, CSS ( contactUs.css ) and JS to create functions to connect Email apps of the user's devices and the mobile apps too by pick an app prompt boxes. And need using JS for star rating system of feedbacks.
- Purpose :- For visualization of Customer feedback system to get managerial decisions. And if a user needs to contact ABC Cinemas via an Email or on Phone need to build these functionalities.

## **7. Deals & Offers, Locations, About Us, Terms and Privacy Pages.**

- Objective :- Include important information of our Online movie ticket booking website like Discounts, Theatre locations, About ABC Cinemas, Terms & Conditions and Privacy Policies.
- Process :- Html, CSS ( separate .css file to each page ) and JS codes to create some functionalities to improve user experience.
- Purpose :- Users can view these details by viewing these pages and have their decisions freely. Need these pages attract fully so that users need to search more.

## **8. PayPal Sandbox Configuration.**

- Objective :- More user friendly with users by multiple payment methods like PayPal.
- Process :- Creating PayPal developers account and then creating a sandbox account.
- Purpose :- When a user clicks on the PayPal button on the payment page it will direct the user to a new window that user can login to their PayPal private account. After user clicking Complete Purchase, the amount of Booked movie paid successfully message will display.

## **9. Login and Signup.**

- Objective :- Login to already registered customers and Signup for new customers to get a new user accounts.
- Process :- Html, CSS ( login.css ) and JS codes to change the toggles between Login and Signup.
- Purpose :- Protect the User's data like previous Bookings and have more features like some Deals & Offers are activating for logged users.

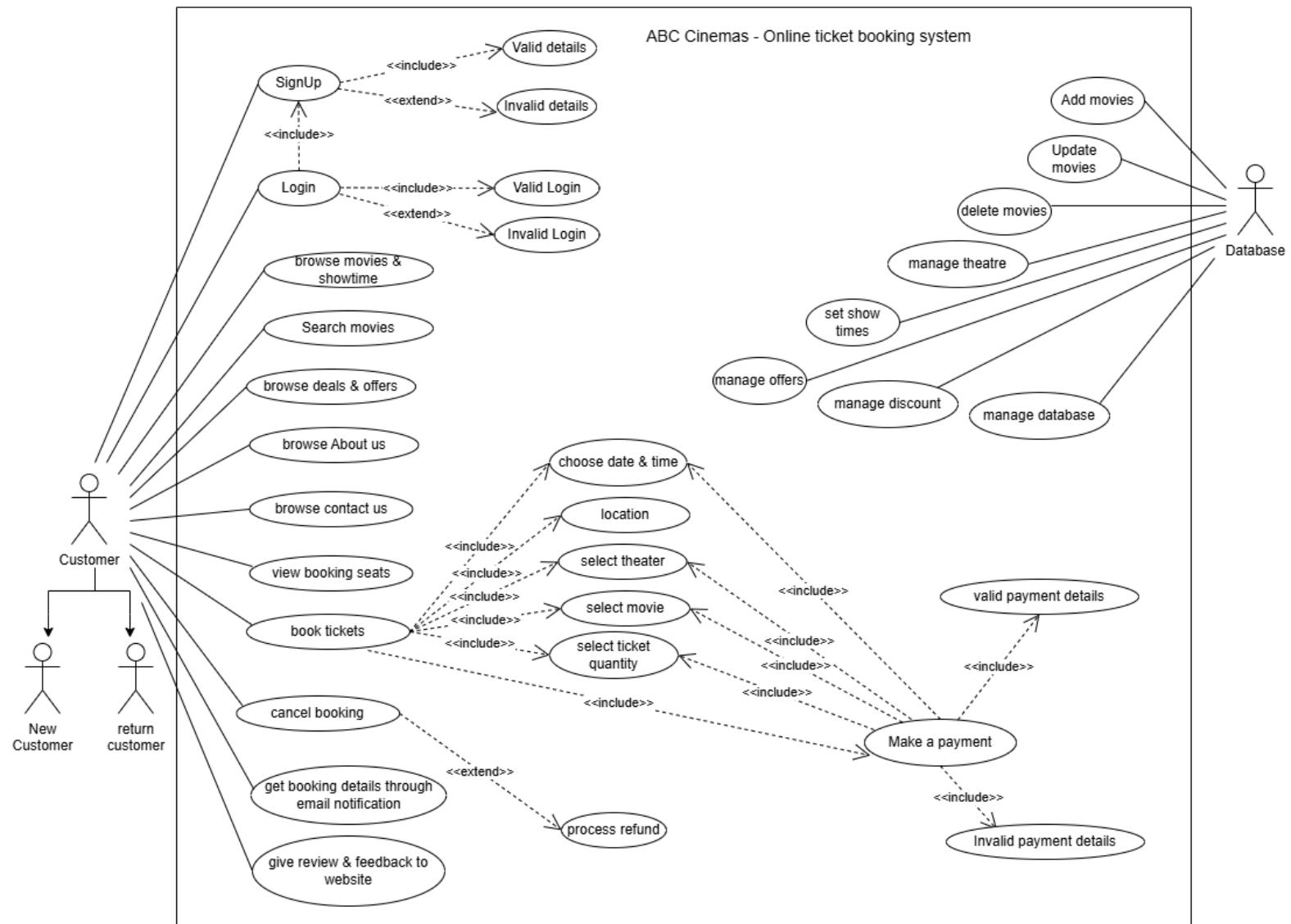
## **10. Email Notification System.**

- Objective :- After completing of the payment user will receive an Email Notification that user was completed the payment. User have to enter a valid Email address.
- Process :- Using SMTP server properties and adding an Email address with two-factor authentication ( to get the passkey ) are the main sessions.
- Purpose :- To improve more user friendly experience with the user when he/she make the payment to user's selected movie.

## **11. Database connections with Servlet.java**

- Objective :- To execute the above important functional processes admins have to build connections with the database and the project using MySql Workbench.
- Process :- Using servlet files admin build the connections to execute the Email notification system, Customer feedback gathering system, Manage Movies and Manage Login and Signup sessions.
- Purpose :- To gather and manage the data in a clear and specific manner. And to improve more user friendly experience with new users.

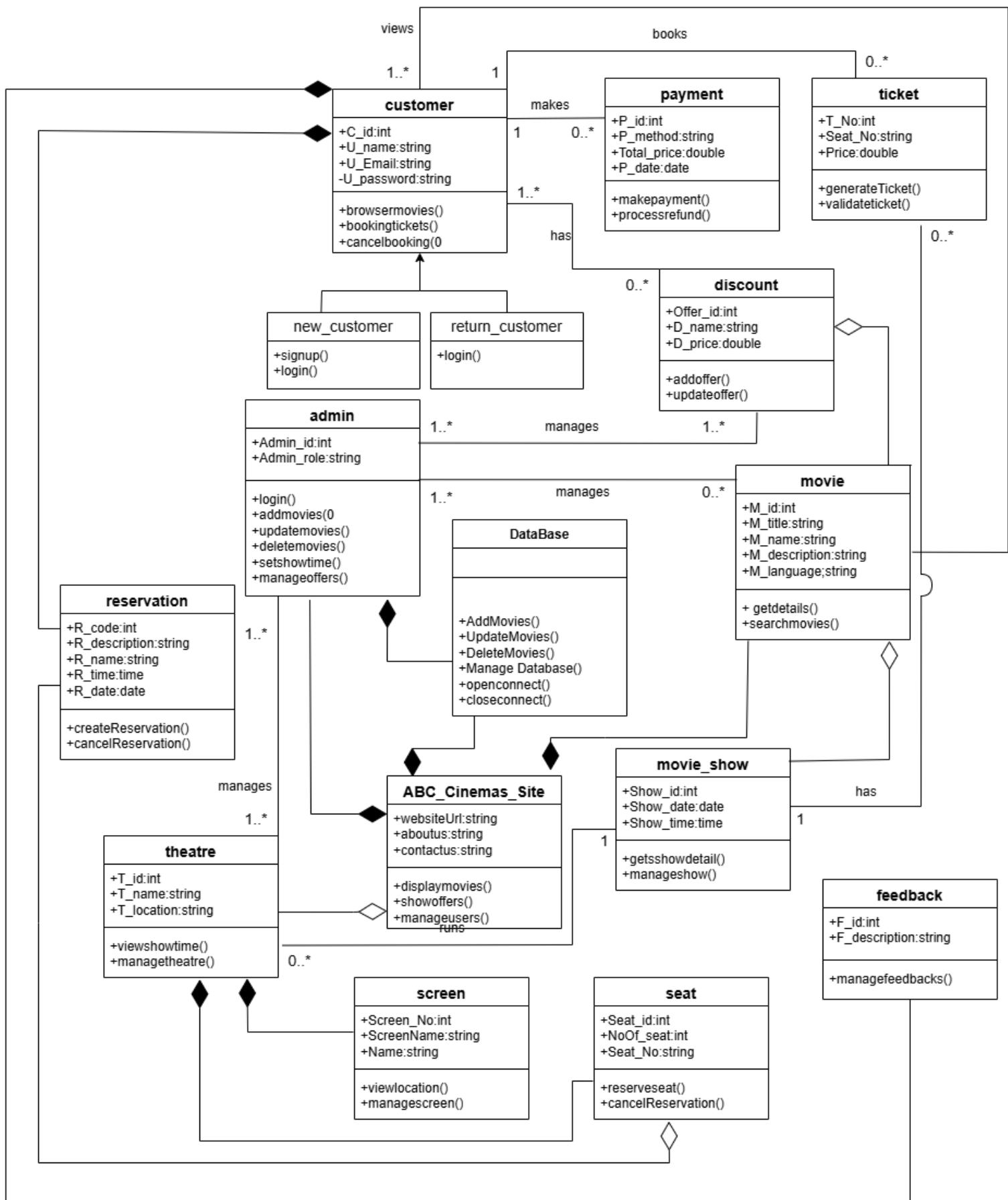
### c) Use Case Diagram



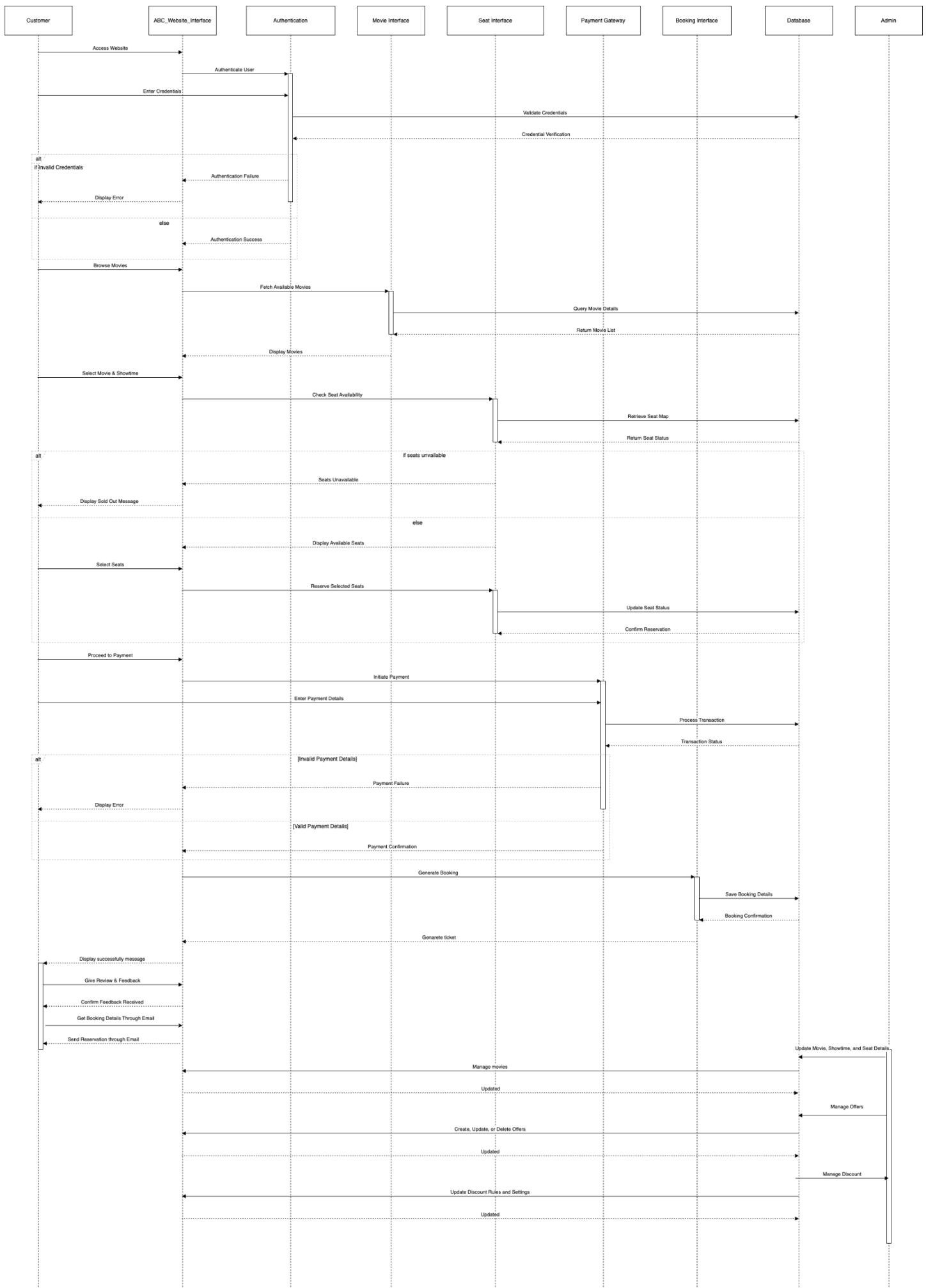
- **Narrations**

Use Case :	Online Movie Ticket Booking System – ABC Cinemas
Actor(s) :	Customer / Database
Description :	Allows user to select a movie, date, time and seat(s) then proceed to payment.
Pre-Condition :	User is on the Home Page or Movies Page or Buy Tickets Page.
Trigger :	User clicks on a “Book Now” button on any of 3 pages.
Main Flow :	<ol style="list-style-type: none"> <li>1. User selects a page ( Home, Movies, Buy Tickets ).</li> <li>2. User selects a Movie and clicks on the Book Now button.</li> <li>3. User will direct to the selection page.</li> <li>4. User selects a date, a time and seat(s) under selected movie title and clicks on Book button.</li> <li>5. User will direct to the payment page.</li> <li>6. User selects the payment method and clicks on Pay Now button.</li> <li>7. User will receive a Payment Successful Email.</li> </ol>
Alternate Flow :	If the payment fails user will allows to try again.
Post-Condition :	<ol style="list-style-type: none"> <li>1. Users will receive an Email of a receipt.</li> <li>2. Users can change their payment transaction history for payment done. ( PayPal / Card Payment )</li> <li>3. Admin can check the transaction history that the payment was received. ( PayPal / Card Payment )</li> </ol>
Assumptions :	<ol style="list-style-type: none"> <li>1. User needs to have a valid Email address.</li> <li>2. User needs to have a balanced payment method.</li> <li>3. Selecting seats need to be Available.</li> <li>4. Selected seats need to be Booked.</li> </ol>
Comments :	<ol style="list-style-type: none"> <li>1. Payment Methods need to be working properly, especially PayPal configuration.</li> <li>2. Avoid seats booking collisions.</li> <li>3. Email notification systems.</li> <li>4. Cancelling options.</li> </ol>

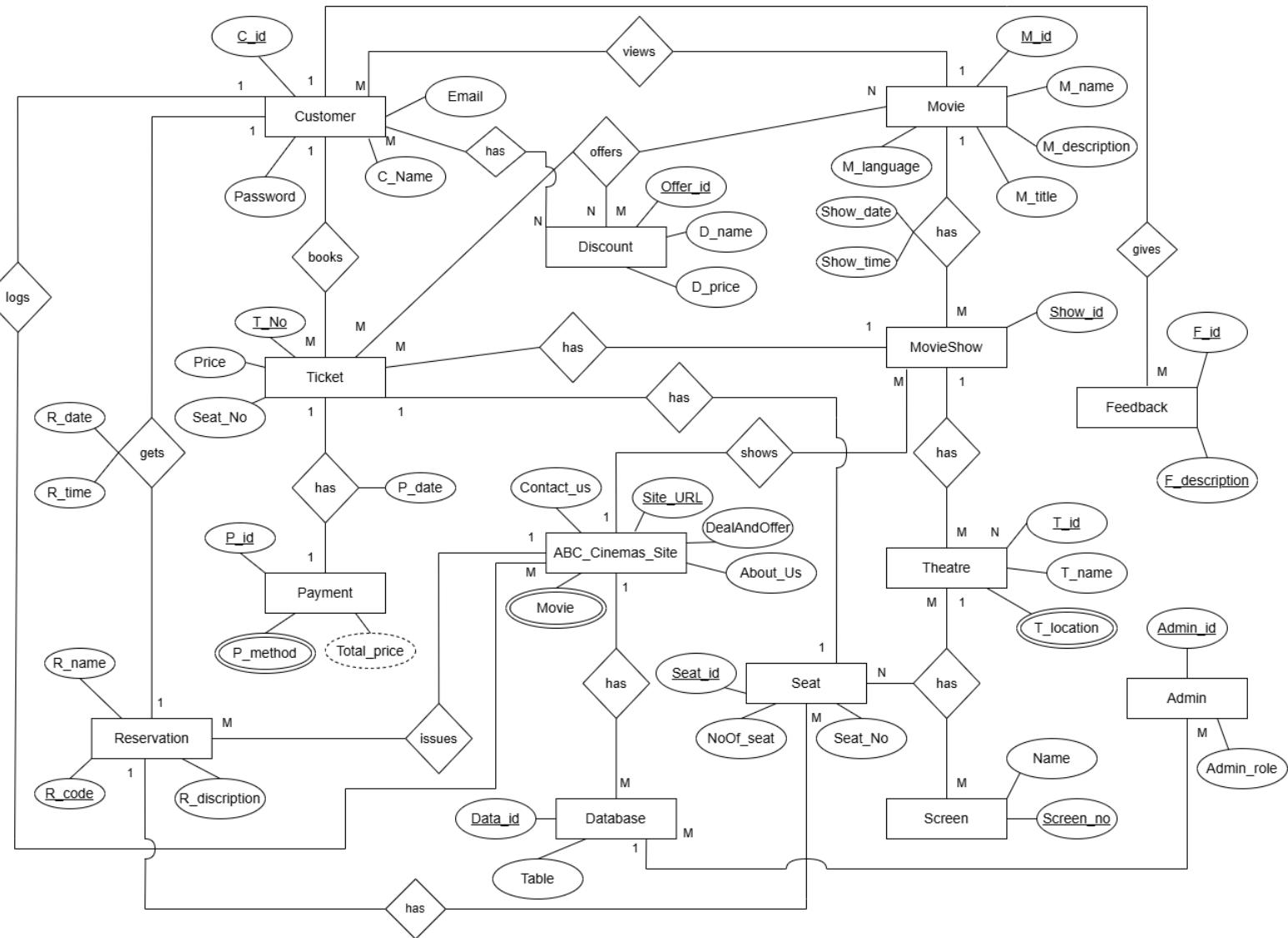
## d) Class Diagram



## e) Sequence Diagram

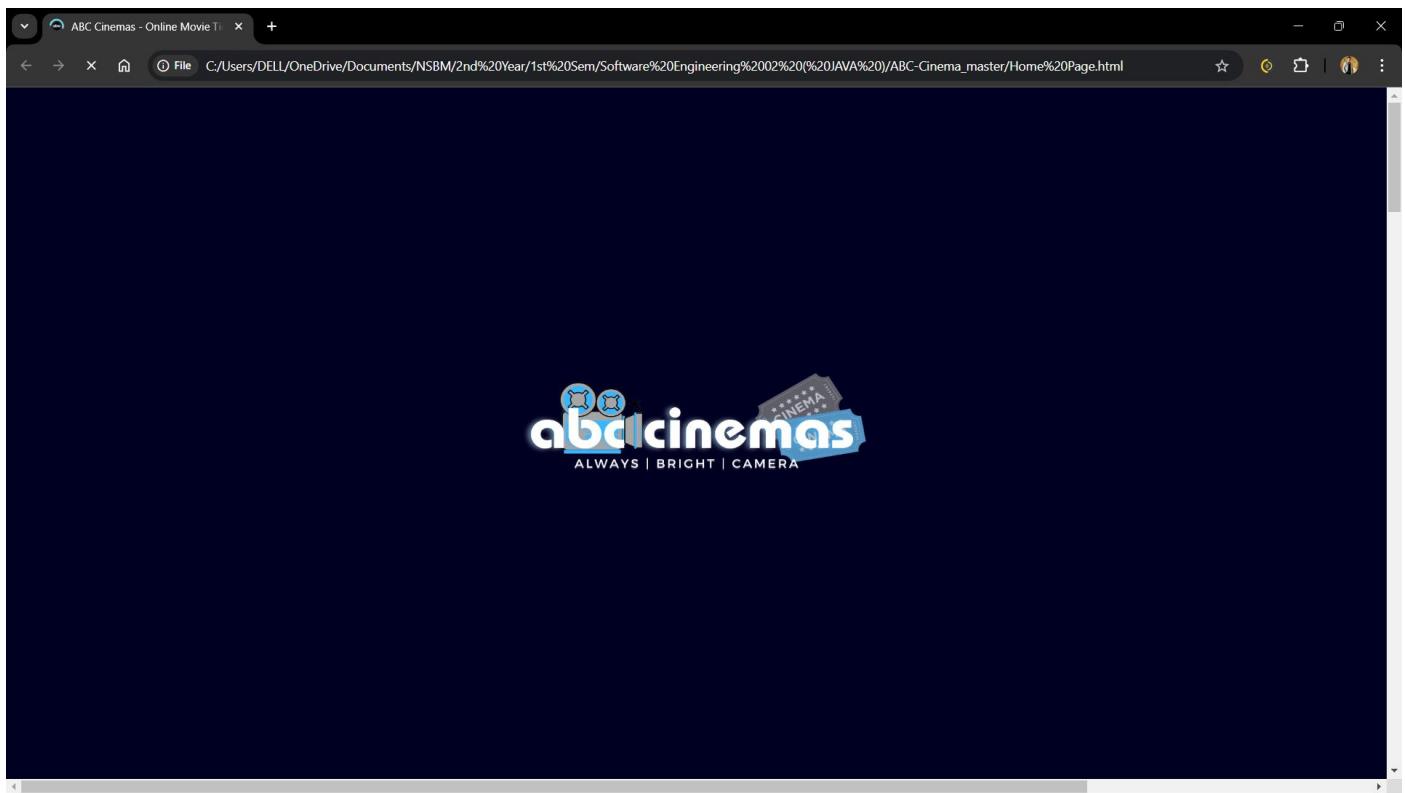


## f) Entity Relationship Diagram (ER)

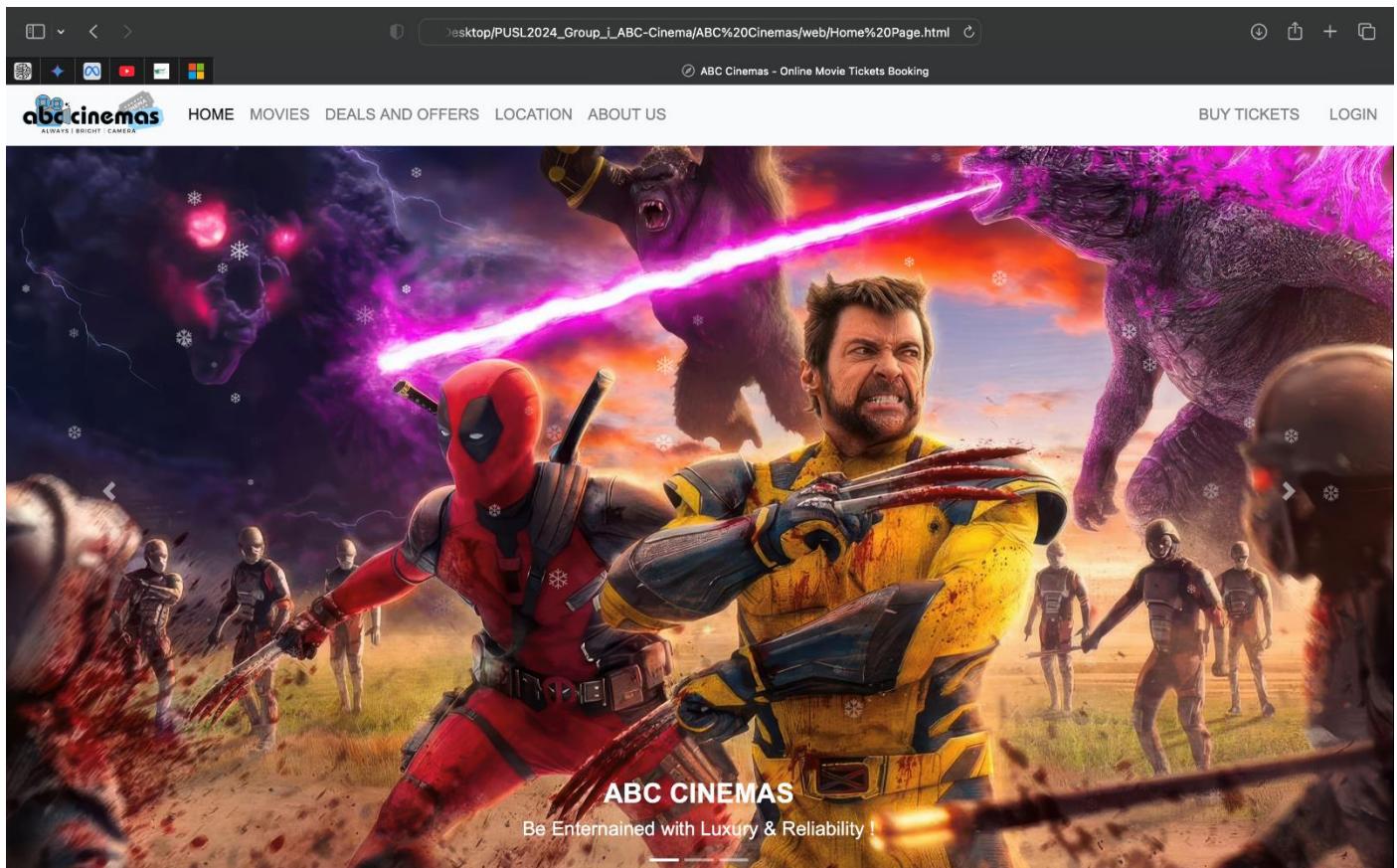


## g) Samples of Developed System – ABC Cinemas

### 1. Home Page



Pre Loader of the website

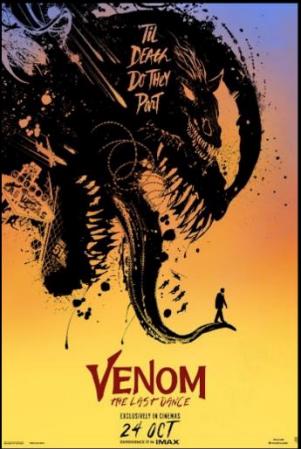


Desktop/PUSL2024\_Group\_i\_ABC-Cinema/ABC%20Cinemas/web/Home%20Page.html

ABC Cinemas - Online Movie Tickets Booking

**HOME** MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS LOGIN

## NOW SHOWING - MOST POPULAR



**VENOM: THE LAST DANCE**

Eddie and Venom are on the run. Hunted by both of their worlds and with the net closing in, the duo are forced into a devastating decision that will bring the curtains down on Venom and Eddie's last dance.

[BOOK NOW](#)



**WILD ROBOT**

After a shipwreck, an intelligent robot called Roz is stranded on an uninhabited island. To survive the harsh environment, Roz bonds with the island's animals and cares for an orphaned baby goose.

[BOOK NOW](#)



**RED ONE**

After Santa Claus "The Red One" is kidnapped, the North Pole's Head of Security must team up with the world's most infamous bounty hunter in a globe-trotting, action-packed mission to save Christmas.

[BOOK NOW](#)



**IT ENDS WITH US**

Lily overcomes a traumatic childhood to embark on a new life. A chance meeting with a neurosurgeon sparks a connection but Lily begins to see sides of him that remind her of her parents' relationship.

[BOOK NOW](#)

Desktop/PUSL2024\_Group\_i\_ABC-Cinema/ABC%20Cinemas/web/Home%20Page.html

ABC Cinemas - Online Movie Tickets Booking

**HOME** MOVIES DEALS AND OFFERS LOCATION ABOUT US [VIEW ALL MOVIES](#) BUY TICKETS LOGIN

## COMING SOON



**GLADI**

ONLY IN NOVEMBER



Sonic the Hedgehog 2



ABC Cinemas - Online Movie Ti +

File C:/Users/DELL/OneDrive/Documents/NSBM/2nd%20Year/1st%20Sem/Software%20Engineering%2002%20(%20JAVA%20)/ABC-Cinema\_master/Home%20Page.html

abc Cinemas HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS LOGIN

## DEALS & OFFERS



**ABC Christmas!**  
Celebrate this Christmas with ABC Cinemas.  
Enjoy 10% discount on all movies. This is only till 28th of December.

[MORE DEALS & OFFERS](#)

ABC Cinemas - Online Movie T +

localhost:8083/ABCCINEMA/index.jsp

abc Cinemas HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS LOGIN

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Feedback  
Digital (2d), (3d)  
Gold (2d), (3d)  
Atmos Dolby (2d), (3d)  
Imax (2d), Imax (3d)  
New MAX Experience

Buy Tickets  
Movies  
All Deals  
Contact Us  
Privacy Policies  
Terms & Conditions

abc Cinemas ALWAYS | BRIGHT | CAMERA

[@](#) [f](#) [X](#)

## • Codes of the Home Page

eclipse-workspace - ABCCINEMA/src/main/webapp/index.jsp - Eclipse IDE

```

1 <%@ page language="java" contentType="text/html; charset=ISO-8859-1"
2 pageEncoding="ISO-8859-1"%>
3 <!DOCTYPE html>
4 <html lang="en">
5 <head>
6   <meta charset="utf-8">
7   <meta http-equiv="X-UA-Compatible" content="IE=edge">
8   <meta name="viewport" content="width=device-width, initial-scale=1">
9   <title>ABC Cinema - Online Movie Tickets Booking</title>
10  </head>
11  <link href="css/bootstrap-4.4.1.css" rel="stylesheet">
12  <!-- My CSS File -->
13  <link href="css/style.css" rel="stylesheet" type="text/css">
14  <link rel="icon" type="image/png" href="images/title_image.png">
15  </head>
16  <body>
17
18
19  <nav class="navbar navbar-expand-lg navbar-light bg-light"> <a class="navbar-brand" href="index.jsp"></a>
20  <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSupportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle navigation"><span class="sr-only">(current)</span></button>
21  <div class="collapse navbar-collapse" id="navbarSupportedContent">
22    <ul class="navbar-nav mr-auto">
23      <li class="nav-item active"> <a class="nav-link" href="index.jsp">HOME <span class="sr-only">(current)</span></a> </li>
24      <li class="nav-item"> <a class="nav-link" href="Movies.jsp">MOVIES</a> </li>
25      <li class="nav-item"> <a class="nav-link" href="DealsOffers.jsp">DEALS AND OFFERS</a> </li>
26      <li class="nav-item"> <a class="nav-link" href="Location.jsp">LOCATION</a> </li>
27      <li class="nav-item"> <a class="nav-link" href="AboutUs.jsp">ABOUT US</a> </li>
28    </ul>
29
30    <form class="form-inline my-2 my-sm-0">
31      <a href="Buy.jsp" class="btn btn-outline-success my-2 my-sm-0">Buy Tickets</a>
32      <a href="Login.jsp" class="btn btn-outline-success my-2 my-sm-0">Login</a>
33    </form>
34  </div>
35  <br>
36
37  <div id="carouselExampleIndicators1" class="carousel slide" data-ride="carousel" style="background-color: grey">
38    <ol class="carousel-indicators">
39      <li data-target="#carouselExampleIndicators1" data-slide-to="0" class="active"></li>
40      <li data-target="#carouselExampleIndicators1" data-slide-to="1"></li>
41      <li data-target="#carouselExampleIndicators1" data-slide-to="2"></li>
42    </ol>
43    <div class="carousel-inner" role="listbox">
44      <div class="carousel-item active" data-slide-to="0"> 
45        <div class="carousel-caption">
46          <h3>ABC CINEMAS</h3>
47          <p>Be Entertained with Luxury & Reliability !</p>
48        </div>
49      </div>
50      <div class="carousel-item" data-slide-to="1"> 
51        <div class="carousel-caption">
52          <h3>b:Now Showing IMAX- Venom : The Last Dance</h3>
53        </div>
54    </div>
55  </div>
56
57  <div class="row row2">
58    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
59      <h3>ABC CINEMA</h3>
60      <img alt="Movie poster for VENOM: THE LAST DANCE" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
61      <h4>VENOM: THE LAST DANCE</h4>
62      <p>Eddie and Venom are on the run. Hunted by both of their worlds and with the net closing in, the duo are forced into a devastating decision that will bring them face-to-face with their greatest enemy yet. As Eddie's life hangs in the balance, he must make a choice between his humanity and his symbiotic nature. With time running out, Eddie must find a way to save both himself and his partner, while also fighting to protect the innocent. The stakes are high, and the outcome could change everything. So, what's a guy to do?</p>
63      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
64        <a href="Seats.jsp?movie=VENOM" class="btn btn-primary">BOOK NOW</a>
65      </div>
66    </div>
67    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
68      <h3>RED ONE</h3>
69      <img alt="Movie poster for RED ONE" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
70      <h4>RED ONE</h4>
71      <p>Santa Claus' "Red One" is kidnapped, the North Pole's Head of Security must team up with the world's most infamous bounty hunter in a globe-trotting mission to bring him back home. The two unlikely allies must navigate through various challenges and obstacles to locate the missing Santa and bring him back to safety. With time running out, they must work together to succeed or face the consequences. So, what's a guy to do?</p>
72      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
73        <a href="Seats.jsp?movie=RED ONE" class="btn btn-primary">BOOK NOW</a>
74      </div>
75    </div>
76    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
77      <h3>THE WILD ROBOT</h3>
78      <img alt="Movie poster for THE WILD ROBOT" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
79      <h4>THE WILD ROBOT</h4>
80      <p>After a shipwreck, an intelligent robot called Roz is stranded on an uninhabited island. To survive the harsh environment, Roz bonds with the island's only inhabitant, a wild girl named Cass. As Roz tries to figure out how to get back to civilization, Cass teaches him about the beauty of nature and the importance of self-reliance. But when a group of pirates arrives on the island, Roz must use his intelligence and strength to protect Cass and himself. So, what's a guy to do?</p>
81      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
82        <a href="Seats.jsp?movie=THE WILD ROBOT" class="btn btn-primary">BOOK NOW</a>
83      </div>
84    </div>
85    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
86      <h3>LILY END WITH US</h3>
87      <img alt="Movie poster for LILY END WITH US" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
88      <h4>LILY END WITH US</h4>
89      <p>Lily overcomes a traumatic childhood to embark on a new life. A chance meeting with a neurosurgeon sparks a connection but Lily begins to see sides of herself that she never knew existed. As she navigates through her past and present, she must confront her fears and embrace her true self. So, what's a guy to do?</p>
90      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
91        <a href="Seats.jsp?movie=LILY END WITH US" class="btn btn-primary">BOOK NOW</a>
92      </div>
93    </div>
94    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
95      <h3>SMILE 2</h3>
96      <img alt="Movie poster for SMILE 2" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
97      <h4>SMILE 2</h4>
98      <p>About to embark on a world tour, global pop sensation Skye Biley begins experiencing increasingly terrifying and inexplicable events. By the escalating h
99      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
100        <a href="Seats.jsp?movie=SMILE 2" class="btn btn-primary">BOOK NOW</a>
101      </div>
102    </div>
103    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
104      <h3>SOMEWHERE</h3>
105      <img alt="Movie poster for SOMEWHERE" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
106      <h4>SOMEWHERE</h4>
107      <p>A young man embarks on a road trip across the United States to confront his past and find himself. Along the way, he meets a mysterious woman who becomes his guide and companion. As they travel, they encounter various challenges and obstacles, but they also find moments of beauty and wonder. Through their journey, they learn about themselves and the world around them. So, what's a guy to do?</p>
108      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
109        <a href="Seats.jsp?movie=SOMEWHERE" class="btn btn-primary">BOOK NOW</a>
110      </div>
111    </div>
112    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
113      <h3>SKYRUM</h3>
114      <img alt="Movie poster for SKYRUM" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
115      <h4>SKYRUM</h4>
116      <p>A young woman with a rare genetic condition is recruited by a powerful corporation to help them develop a cure for all genetic diseases. As she embarks on this dangerous journey, she must confront her own fears and doubts. Will she be able to find the courage to follow her dreams or will she give up? So, what's a guy to do?</p>
117      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
118        <a href="Seats.jsp?movie=SKYRUM" class="btn btn-primary">BOOK NOW</a>
119      </div>
120    </div>
121  </div>
122
123  <div class="row row2">
124    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
125      <h3>THE KILLER</h3>
126      <img alt="Movie poster for THE KILLER" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
127      <h4>THE KILLER</h4>
128      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
129      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
130        <a href="Seats.jsp?movie=THE KILLER" class="btn btn-primary">BOOK NOW</a>
131      </div>
132    </div>
133    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
134      <h3>THE KILLER 2</h3>
135      <img alt="Movie poster for THE KILLER 2" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
136      <h4>THE KILLER 2</h4>
137      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
138      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
139        <a href="Seats.jsp?movie=THE KILLER 2" class="btn btn-primary">BOOK NOW</a>
140      </div>
141    </div>
142  </div>
143
144  <div class="row row2">
145    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
146      <h3>THE KILLER 3</h3>
147      <img alt="Movie poster for THE KILLER 3" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
148      <h4>THE KILLER 3</h4>
149      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
150      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
151        <a href="Seats.jsp?movie=THE KILLER 3" class="btn btn-primary">BOOK NOW</a>
152      </div>
153    </div>
154    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
155      <h3>THE KILLER 4</h3>
156      <img alt="Movie poster for THE KILLER 4" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
157      <h4>THE KILLER 4</h4>
158      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
159      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
160        <a href="Seats.jsp?movie=THE KILLER 4" class="btn btn-primary">BOOK NOW</a>
161      </div>
162    </div>
163  </div>
164
165  <div class="row row2">
166    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
167      <h3>THE KILLER 5</h3>
168      <img alt="Movie poster for THE KILLER 5" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
169      <h4>THE KILLER 5</h4>
170      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
171      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
172        <a href="Seats.jsp?movie=THE KILLER 5" class="btn btn-primary">BOOK NOW</a>
173      </div>
174    </div>
175    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
176      <h3>THE KILLER 6</h3>
177      <img alt="Movie poster for THE KILLER 6" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
178      <h4>THE KILLER 6</h4>
179      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
180      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
181        <a href="Seats.jsp?movie=THE KILLER 6" class="btn btn-primary">BOOK NOW</a>
182      </div>
183    </div>
184  </div>
185
186  <div class="row row2">
187    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
188      <h3>THE KILLER 7</h3>
189      <img alt="Movie poster for THE KILLER 7" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
190      <h4>THE KILLER 7</h4>
191      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
192      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
193        <a href="Seats.jsp?movie=THE KILLER 7" class="btn btn-primary">BOOK NOW</a>
194      </div>
195    </div>
196    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
197      <h3>THE KILLER 8</h3>
198      <img alt="Movie poster for THE KILLER 8" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
199      <h4>THE KILLER 8</h4>
200      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
201      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
202        <a href="Seats.jsp?movie=THE KILLER 8" class="btn btn-primary">BOOK NOW</a>
203      </div>
204    </div>
205  </div>
206
207  <div class="row row2">
208    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
209      <h3>THE KILLER 9</h3>
210      <img alt="Movie poster for THE KILLER 9" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
211      <h4>THE KILLER 9</h4>
212      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
213      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
214        <a href="Seats.jsp?movie=THE KILLER 9" class="btn btn-primary">BOOK NOW</a>
215      </div>
216    </div>
217    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
218      <h3>THE KILLER 10</h3>
219      <img alt="Movie poster for THE KILLER 10" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
220      <h4>THE KILLER 10</h4>
221      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
222      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
223        <a href="Seats.jsp?movie=THE KILLER 10" class="btn btn-primary">BOOK NOW</a>
224      </div>
225    </div>
226  </div>
227
228  <div class="row row2">
229    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
230      <h3>THE KILLER 11</h3>
231      <img alt="Movie poster for THE KILLER 11" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
232      <h4>THE KILLER 11</h4>
233      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
234      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
235        <a href="Seats.jsp?movie=THE KILLER 11" class="btn btn-primary">BOOK NOW</a>
236      </div>
237    </div>
238    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
239      <h3>THE KILLER 12</h3>
240      <img alt="Movie poster for THE KILLER 12" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
241      <h4>THE KILLER 12</h4>
242      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
243      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
244        <a href="Seats.jsp?movie=THE KILLER 12" class="btn btn-primary">BOOK NOW</a>
245      </div>
246    </div>
247  </div>
248
249  <div class="row row2">
250    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
251      <h3>THE KILLER 13</h3>
252      <img alt="Movie poster for THE KILLER 13" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
253      <h4>THE KILLER 13</h4>
254      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
255      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
256        <a href="Seats.jsp?movie=THE KILLER 13" class="btn btn-primary">BOOK NOW</a>
257      </div>
258    </div>
259    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
260      <h3>THE KILLER 14</h3>
261      <img alt="Movie poster for THE KILLER 14" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
262      <h4>THE KILLER 14</h4>
263      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
264      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
265        <a href="Seats.jsp?movie=THE KILLER 14" class="btn btn-primary">BOOK NOW</a>
266      </div>
267    </div>
268  </div>
269
270  <div class="row row2">
271    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
272      <h3>THE KILLER 15</h3>
273      <img alt="Movie poster for THE KILLER 15" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
274      <h4>THE KILLER 15</h4>
275      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
276      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
277        <a href="Seats.jsp?movie=THE KILLER 15" class="btn btn-primary">BOOK NOW</a>
278      </div>
279    </div>
280    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
281      <h3>THE KILLER 16</h3>
282      <img alt="Movie poster for THE KILLER 16" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
283      <h4>THE KILLER 16</h4>
284      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
285      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background-color: #00008B; color: white; padding: 5px; border-radius: 10px; margin-bottom: 10px">
286        <a href="Seats.jsp?movie=THE KILLER 16" class="btn btn-primary">BOOK NOW</a>
287      </div>
288    </div>
289  </div>
290
291  <div class="row row2">
292    <div class="col-lg-4" data-kind="parent" data-rs="2" style="background-color: #00008B; color: white; text-align: center; padding: 10px; border-radius: 10px; margin-bottom: 10px">
293      <h3>THE KILLER 17</h3>
294      <img alt="Movie poster for THE KILLER 17" data-kind="parent" data-rs="2" style="width: 100%; height: auto; border-radius: 10px; margin-bottom: 10px">
295      <h4>THE KILLER 17</h4>
296      <p>A hitman returns to his old haunts to take care of some unfinished business. As he navigates through the city's underworld, he must confront his past and the people he left behind. But when he发现了一个新的目标，他必须做出艰难的决定。So, what's a guy to do?</p>
297      <div style="text-align: right; margin-top: 10px; border-top: 1px solid black; padding-top: 5px; border-radius: 10px; background
```



eclipse-workspace - ABCCINEMA/src/main/webapp/index.jsp - Eclipse IDE

```

2400    <!-- JS function to coming soon Sliding images -->
2401    <script>
2402        deploymentrotate() {
2403            var lastchild = $('.slider div:last-child').clone();
2404            $('#test').html(lastchild);
2405            $('.slider div').removeClass('firstslide');
2406            $('.slider div').remove();
2407            $('.slider').prepend(lastchild);
2408            $(lastchild).addClass('firstslide');
2409        }
2410    </script>
2411    <!-- pre loader -->
2412    <script>
2413        window.addEventListener("load", function () {
2414            const preloader = document.getElementById("preloader");
2415            const mainContent = document.getElementById("main-content");
2416
2417            scroll((() => {
2418                preloader.style.display = "none"; // Hide preloader
2419                mainContent.style.display = "block"; // Show main content
2420            }), 1000); // Adjust delay as needed (100ms = 1 second)
2421        });
2422
2423        const navbar = document.getElementById('navbar');
2424
2425        <!-- Jquery Shading -->
2426        <script>
2427            window.addEventListener("scroll", function() {
2428                const navbar = document.querySelector(".navbar");
2429                if (window.scrollY > 50) {
2430                    navbar.classList.add("scrolled");
2431                } else {
2432                    navbar.classList.remove("scrolled");
2433                }
2434            });
2435
2436        <!-- External JS connections -->
2437        <!-- jQuery (necessary for Bootstrap's JavaScript plugins) -->
2438        <script src="js/jquery-3.4.1.min.js"></script>
2439
2440        <!-- include all compiled plugin (below), or include individual files as needed -->
2441        <script src="js/popper.min.js"></script>

```

eclipse-workspace - ABCCINEMA/src/main/webapp/css/style.css - Eclipse IDE

```

1 body {
2     font-family: Arial, sans-serif;
3     background-color: black;
4     flex-wrap: wrap;
5 }
6
7 .slider {
8     height: 600px;
9     width: 100vw;
10    display: flex;
11    justify-content: 1000px;
12    position: relative;
13    align-items: center;
14 }
15 .box {
16     background-image: url("../images/sonic 3 soon.jpg");
17     background-size: cover;
18     background-position: center center;
19 }
20 .box {
21     background-image: url("../images/captain america soon.jpg");
22     background-size: cover;
23     background-position: center center;
24 }
25 .box {
26     background-image: url("../images/kronen the soon.jpg");
27     background-size: cover;
28     background-position: center center;
29 }
30 .box {
31     background-image: url("../images/mufasa-soon.jpg");
32     background-size: cover;
33     background-position: center center;
34 }
35 .box {
36     background-image: url("../images/wicked soon.jpg");
37     background-size: cover;
38     background-position: center center;
39 }
40 .box {
41     background-image: url("../images/gladiator 2 soon.jpg");
42     background-size: cover;
43     background-position: center center;
44 }
45 .box {
46     /* float: left; */
47     overflow: hidden;
48     width: 100px;
49     transition: all 1s cubic-bezier(0.68, -0.6, 0.32, 1.6);
50     position: absolute;
51 }
52 .box:nth-child(7) {
53     width: 100px;
54     height: 60px;
55 }
56 .box {
57     width: 100px;
58     height: 60px;
59 }
60 .box {
61     width: 100px;
62     height: 60px;
63 }
64 .box {
65     width: 100px;
66     height: 60px;
67 }
68 .box {
69     width: 100px;
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108 .box {
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112 .box {
113     width: 100px;
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176 .box {
177     width: 100px;
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180 .box {
181     width: 100px;
182     height: 60px;
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184 .box {
185     width: 100px;
186     height: 60px;
187 }
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## 2. Movies Page

The screenshot shows the 'NOW SHOWING' section of the ABC Cinemas website. It features a grid of movie posters. The top row includes 'Deadpool and Wolverine', 'Interstellar - Special Edition', 'Venom: The Last Dance', and 'Kraven: The Hunter'. The bottom row includes 'Moana 2', 'Gladiator', 'It Ends With Us', and 'Kangana'. Each poster has a 'Buy Tickets' button below it.

The screenshot shows the 'TRAILERS OF NEW ARRIVALS' section of the ABC Cinemas website. It displays four movie trailers in a grid: 'VENOM: THE LAST DANCE' (Official Trailer), 'IT ENDS WITH US' (Official Trailer), 'THE WILD ROBOT' (Final Trailer), and 'OPPENHEIMER' (New Trailer). Each trailer has a 'Watch on YouTube' button.

**New Bollywood Movies**  
Are you that true-Hindi movie fiend who is obsessed with everything about Bollywood? If yes, we can relate to you. We understand your love for films and keep you updated about all the new Hindi Movie releases. Just browse through our [abcMovies](#) section, check out all the new movies playing in cinemas. Book your tickets instantly. Before booking, you can also have a look at the trailer of that film right at that page.

**Latest Sinhala Movies**  
Tamil or Sinhala, you can book tickets for all the regional language films released, right here at ABC Cinemas. What's more along with booking movie tickets, you can also check out the latest and upcoming Sinhala movies in our coming soon section. Booking process is simply a breeze at ABC Cinemas. Within few minutes, any time anywhere you can book your tickets for the latest movies at the lowest prices possible.

**New Hollywood Movies**  
Language is not a barrier at ABC Cinemas. We speak and understand the language of cinema. So, if English movie is what you are into, we keep you up-to-date about all the new and now showing Hollywood movies near your location. Check out all the current movies and book your tickets then and there. Current most popular movies - *Venom: The Last Dance* / *Red One* / *It Ends With Us*.

To always be informed!

Feedback

Buy Tickets

- Codes of the Movies Page

This is one of the main page of this website. This page contains of 14 cards that includes all now showing movies. These cards carrying Book Now buttons that users can Book their favorite movies. Also users can search for a movie from the Search bar that is on the top of the webpage.

Using JS and CSS ( inline / external – Movies.css ) codes all the components and functions are well maintained according to whole website's theme. When user selects a movie and book that movie, that movie title will automatically select in the next directed page ( Seats page ). That function developed using JS codes already mentioned on the screenshots.

- Can manage movies via the database

The screenshot shows the MySQL Workbench interface. In the top navigation bar, 'Query 1' is selected. Below it, the 'movies' table is displayed with the following data:

	id	title	image	release_date	director
1	1	Deadpool and Wolverine	<a href="https://m.media-amazon.com/images/M/MV5B...">https://m.media-amazon.com/images/M/MV5B...</a>	2011-11-11	Marvel
2	2	Interstellar - Special Edition	<a href="https://m.media-amazon.com/images/M/MV5B...">https://m.media-amazon.com/images/M/MV5B...</a>	2010-10-10	Chris
3	3	Spider-Man: The Last Dance	<a href="https://upload.wikimedia.org/wikipedia/en/f/fc/...">https://upload.wikimedia.org/wikipedia/en/f/fc/...</a>	2024-12-13	Marvel
4	4	Kraven: The Hunter	<a href="https://upload.wikimedia.org/wikipedia/en/f/fc/...">https://upload.wikimedia.org/wikipedia/en/f/fc/...</a>	2024-12-13	Marvel
5	5	Moana 2	<a href="https://m.media-amazon.com/images/M/MV5B...">https://m.media-amazon.com/images/M/MV5B...</a>	2024-11-20	Hash
6	6	Gladiator 2	<a href="https://yc.cdnink.com/pwyk0en63hangn0in...">https://yc.cdnink.com/pwyk0en63hangn0in...</a>	2024-11-28	Dwayne
7	7	It Ends With Us	<a href="https://bookslitics.klyv.com/content/uploads/2024/...">https://bookslitics.klyv.com/content/uploads/2024/...</a>	2024-11-12	Rose
8	8	Kungfuwa	<a href="https://upload.wikimedia.org/wikipedia/en/e/e8/...">https://upload.wikimedia.org/wikipedia/en/e/e8/...</a>	2024-11-23	Janam
9	9	Amaran	<a href="https://m.media-amazon.com/images/M/MV5B...">https://m.media-amazon.com/images/M/MV5B...</a>	2024-12-01	Thala

In the bottom left, the 'Information' tab is selected, showing the 'movies' table definition:

```
Table: movies
Columns:
id          int(11) NOT NULL AUTO_INCREMENT
title       varchar(255)
image       varchar(255)
release_date date
director    varchar(255)
```

Admins can Add new movies, edit and delete existing movies from the database and it will updated in the movies.jsp page. The connections for this process are functioned in the body code of the movies page.

### 3. Deals & Offers Page

The screenshot shows the ABC Cinemas website with the URL [localhost:8083/ABCCINEMA/DealsOffers.jsp](http://localhost:8083/ABCCINEMA/DealsOffers.jsp). The page features several promotional banners:

- Member Discount**: Up to 50% off Event Cinema Tickets.
- MOANA 2 Collectible popcorn Combo**: Now at ABC Cinemas! Description: Featuring a limited-edition cup and topper inspired by your favorite characters, this combo also includes a small popcorn and drink to enhance your movie experience. Don't miss your chance to grab this stunning keepsake while supplies last. Make your next visit to ABC Cinemas unforgettable with this must-have collectible!
- 20% On Movie Tickets with Cargills Bank**: Description: Exciting Movie Ticket Discounts with Cargills Bank! View More.

## • Codes of the Deals & Offers Page

Eclipse IDE - eclipse-workspace - ABCCINEMA/src/main/webapp/DealsOffers.jsp

```

<hr><br><br>
37    <div class="container">
38        <div class="row row50">
39            <div class="col-12" style="text-align: center; margin-right: 870px;"><b>DEALS & OFFERS</b></div>
40        </div>
41        <div class="row row50">
42            <div class="col-12" style="text-align: center; margin-right: 870px;">
43                <img alt="" width="600px" height="250px" style="padding-right: 50px;">
44            </div>
45        </div>
46        <div class="row row50">
47            <p style="color: lightgray; font-size: 10px; margin-right: 870px;">Exclusive Member Discounts: Up to 50% Off Movie Tickets! <br><br>
48                <span id="view-more-btn" class="view-more-btn" onclick="toggleParagraph1()">View More</span>
49            </p>
50            <div id="extra-info" class="hidden" style="color: lightgray;">
51                Enjoy the ultimate cinematic experience with incredible discounts available for all members. Don't wait—grab your tickets today and make the most of this special offer!
52            </div>
53        </div>
54    </div>
55    <br>
56    <div class="row row51">
57        <div class="col-12" style="text-align: center; margin-right: 870px;">
58            <img alt="" width="600px" height="250px" style="padding-right: 50px;">
59        </div>
60    </div>
61    <div class="row row51">
62        <p style="color: lightgray; font-size: 10px; margin-right: 870px;">MONA 2 Collectible popcorn Combo - now at ABC Cinemas! <br><br>
63                <span id="view-more-btn-1" class="view-more-btn" onclick="toggleParagraph1()">View More</span>
64            </p>
65            <div id="extra-info-1" class="hidden" style="color: lightgray;">
66                Featuring a limited-edition cup and popcorn inspired by your favorite characters, this combo also includes a small popcorn and drink to enhance your movie experience. Don't miss
67            </div>
68        </div>
69    </div>
70    <br>
71    <div class="row row52">
72        <div class="col-12" style="text-align: center; margin-right: 870px;">
73            <img alt="" width="600px" height="250px" style="padding-right: 50px;">
74        </div>
75    </div>
76    <div class="row row52">
77        <p style="color: lightgray; font-size: 10px; margin-right: 870px;">Exciting Movie Ticket Discounts with Cargills Bank! <br><br>
78                <span id="view-more-btn-2" class="view-more-btn" onclick="toggleParagraph2()">View More</span>
79            </p>
80            <div id="extra-info-2" class="hidden" style="color: lightgray;">
81                Enjoy a 20% discount on movie tickets* when you pay with your Cargills Bank Credit Card. Don't miss this opportunity to watch your favorite movies at a fraction of the cost. S
82            </div>
83        </div>
84    </div>
85    <br>
86    <div class="row row53">
87        <div class="col-12" style="text-align: center; margin-right: 870px;">
88            <img alt="" width="600px" height="250px" style="padding-right: 50px;">
89        </div>
90    </div>
91    <div class="row row53">
92        <p style="color: lightgray; font-size: 10px; margin-right: 870px;">Summer Movie Express for KIDS! <br><br>
93                <span id="view-more-btn-3" class="view-more-btn" onclick="toggleParagraph3()">View More</span>
94            </p>
95            <div id="extra-info-3" class="hidden" style="color: lightgray;">
96                Treat your little ones to their favorite kids' movies all summer long at special discounted rates. This exciting program promises a delightful escape into the world of animated
97            </div>
98        </div>
99    </div>

```

Problems Servers Terminal Data Source Explorer Properties Console

Tomcat v10.1 Server at localhost [Started, Synchronized] ABCCINEMA [Synchronized]

Writable Smart Insert 1:1:0

Eclipse IDE - eclipse-workspace - ABCCINEMA/src/main/webapp/DealsOffers.jsp

```

132<script>
133    function toggleParagraph() {
134        const paragraph = document.getElementById('extra-info');
135        const viewMoreButton = document.getElementById('view-more-btn');
136
137        // Show the hidden paragraph
138        paragraph.classList.remove('hidden');
139
140        // Hide the "View More" button
141        viewMoreButton.classList.add('hidden');
142    }
143</script>
144
145<script>
146    function toggleParagraph1() {
147        const paragraph = document.getElementById('extra-info-1');
148        const viewMoreButton = document.getElementById('view-more-btn-1');
149
150        // Show the hidden paragraph
151        paragraph.classList.remove('hidden');
152
153        // Hide the "View More" button
154        viewMoreButton.classList.add('hidden');
155    }
156</script>
157
158<script>
159    function toggleParagraph2() {
160        const paragraph = document.getElementById('extra-info-2');
161        const viewMoreButton = document.getElementById('view-more-btn-2');
162
163        // Show the hidden paragraph
164        paragraph.classList.remove('hidden');
165
166        // Hide the "View More" button
167        viewMoreButton.classList.add('hidden');
168    }
169</script>
170
171<script>
172    function toggleParagraph3() {
173        const paragraph = document.getElementById('extra-info-3');
174        const viewMoreButton = document.getElementById('view-more-btn-3');
175
176        // Show the hidden paragraph
177        paragraph.classList.remove('hidden');
178
179        // Hide the "View More" button
180        viewMoreButton.classList.add('hidden');
181    }
182</script>
183
184<!-- Navbar Shading -->
185

```

Problems Servers Terminal Data Source Explorer Properties Console

Tomcat v10.1 Server at localhost [Started, Synchronized] ABCCINEMA [Synchronized]

Writable Smart Insert 1:1:0

The screenshot shows the Eclipse IDE interface with the ABCCINEMA project open. The Project Explorer view on the left lists various Java files (e.g., CompleteBookingServlet.java, ContactFormServlet.java, User.java) and CSS files (e.g., AboutUs.css, Bootstrap.css, Buy.css, ContactUs.css, dealsand.css, Location.css, Login.css, Movies.css, Payment.css, Seats.css, style.css). The dealsand.css file is selected in the center editor, displaying its content which includes CSS rules for a 'view-more-btn' class and its hover states (1-3).

```

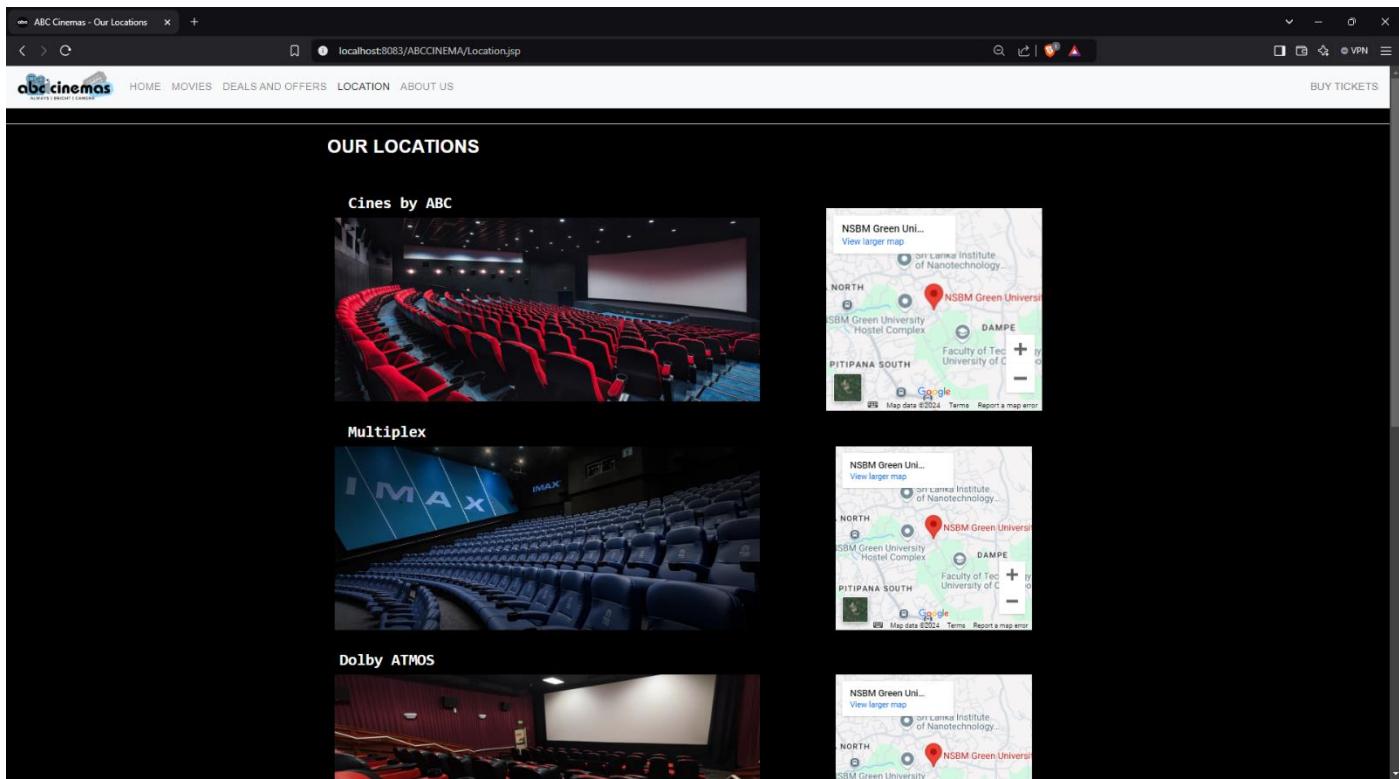
1. @charset "utf-8";
2. {
3.     display: none;
4. }
5. @view-more-btn {
6.     cursor: pointer;
7.     color: black;
8.     font-size: 15px;
9.     font-family: monospace;
10. }
11. @view-more-btn:hover {
12.     text-decoration: underline;
13.     color: blue;
14. }
15. @view-more-btn-1 {
16.     cursor: pointer;
17.     color: black;
18.     font-size: 15px;
19.     font-family: monospace;
20. }
21. @view-more-btn-1:hover {
22.     text-decoration: underline;
23.     color: blue;
24. }
25. @view-more-btn-2 {
26.     cursor: pointer;
27.     color: black;
28.     font-size: 15px;
29.     font-family: monospace;
30. }
31. @view-more-btn-2:hover {
32.     text-decoration: underline;
33.     color: blue;
34. }
35. @view-more-btn-3 {
36.     cursor: pointer;
37.     color: black;
38.     font-size: 15px;
39.     font-family: monospace;
40. }
41. @view-more-btn-3:hover {
42.     text-decoration: underline;
43.     color: blue;
44. }
45. @view-more-btn-3:hover {
46.     color: blue;
47. }

```

This page includes our all Deals and Offers that offers to users. Using separated row tags and card tags every offer news images and it's descriptions are well managed that users can view them separately.

Using JS and CSS ( inline / external – dealsand.css ) codes those View More buttons are functionally maintained. That is one description of the one can only be viewed by clicking it's View More button.

## 4. Location Page



ABC Cinemas - Our Locations

localhost:8083/ABCCINEMA/Location.jsp

HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS



LUXE by ABC



NSBM Green University Hostel Complex

PITIPANA SOUTH

DAMPE

NSBM Green Uni.. View larger map

on campus Institute of Nanotechnology

NORTH

NSBM Green University Hostel Complex

DAMPE

PITIPANA SOUTH

Faculty of Tec + University of C

Map data ©2024 Terms Report a map error

- Codes of the Location Page

eclipse-workspace - ABCCINEMA/src/main/webapp/Location.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer     ABCCINEMA/pom.xml     Tomcat v10.1 Server at localhost     ContactFormServlet.java     index.jsp     Location.jsp     Location.css     Outline

```
<div>
  <nav>
    <br><br><br>
    <h3 style="font-family: sans-serif; color: white; margin-right: 90px;"><center><b>OUR LOCATIONS</b></center></h3>
    <br>
    <div class="container">
      <h4 style="font-family: monospace; color: white; margin-right: 90px;"><center><b>Cines by ABC</b></center></h4>
      <div class="col-12-8"></div>
      <div class="col-12-4"><iframe src="https://www.google.com/maps/embed/pb=1m8/1m2/1m3/1d1800_54981683203/2d80_03464591379417/3d6_819347635726086/2m31f0/2f0/3f0/3e2/1i1024/2176" style="border: none; width: 100%; height: 100%; border-radius: 10px; margin-top: 10px;" />
    </div>
    <br>
    <h4 style="font-family: monospace; color: white; margin-right: 90px;"><center><b>Multiplex</b></center></h4>
    <div class="row row2">
      <div class="col-12-8"></div>
      <div class="col-12-4"><iframe src="https://www.google.com/maps/embed/pb=1m8/1m2/1m3/1d1800_54981683203/2d80_03464591379417/3d6_819347635726086/2m31f0/2f0/3f0/3e2/1i1024/2176" style="border: none; width: 100%; height: 100%; border-radius: 10px; margin-top: 10px;" />
    </div>
    <br>
    <h4 style="font-family: monospace; color: white; margin-right: 90px;"><center><b>Dolby ATMOS</b></center></h4>
    <div class="row row3">
      <div class="col-12-8"></div>
      <div class="col-12-4"><iframe src="https://www.google.com/maps/embed/pb=1m8/1m2/1m3/1d1800_54981683203/2d80_03464591379417/3d6_819347635726086/2m31f0/2f0/3f0/3e2/1i1024/2176" style="border: none; width: 100%; height: 100%; border-radius: 10px; margin-top: 10px;" />
    </div>
    <br><br>
    <h4 style="font-family: monospace; color: white; margin-right: 90px;"><center><b>LUKE by ABC</b></center></h4>
    <div class="row row3B">
      <div class="col-12-8"></div>
      <div class="col-12-4"><iframe src="https://www.google.com/maps/embed/pb=1m8/1m2/1m3/1d1800_54981683203/2d80_03464591379417/3d6_819347635726086/2m31f0/2f0/3f0/3e2/1i1024/2176" style="border: none; width: 100%; height: 100%; border-radius: 10px; margin-top: 10px;" />
    </div>
    <br><br>
    <div class="container">
      <div class="facilities">
        <ul style="list-style-type: none; padding-left: 0; margin: 0; font-family: sans-serif; color: #000099;">
          <li><strong>Film Hall Facilities</strong></li>
          <li><strong>State-of-the-art facilities for accessible seating</strong></li>
          <li><strong>4K Ultra HD Screens</strong> for an immersive viewing experience</li>
          <li><strong>Dolby Atmos Sound System</strong> for incredible audio clarity</li>
          <li><strong>Comfy reclining seats</strong> with ample legroom</li>
          <li><strong>Convenient food and drink service</strong> available throughout</li>
          <li><strong>Snack bar with a variety of food and beverages</strong></li>
          <li><strong>Wheelchair accessibility and reserved seating</strong></li>
          <li><strong>Online ticket booking</strong> and quick check-in</li>
        </ul>
      </div>
    </div>
  </div>
</div>
```

Problems Servers Terminal Data Source Explorer Properties Console

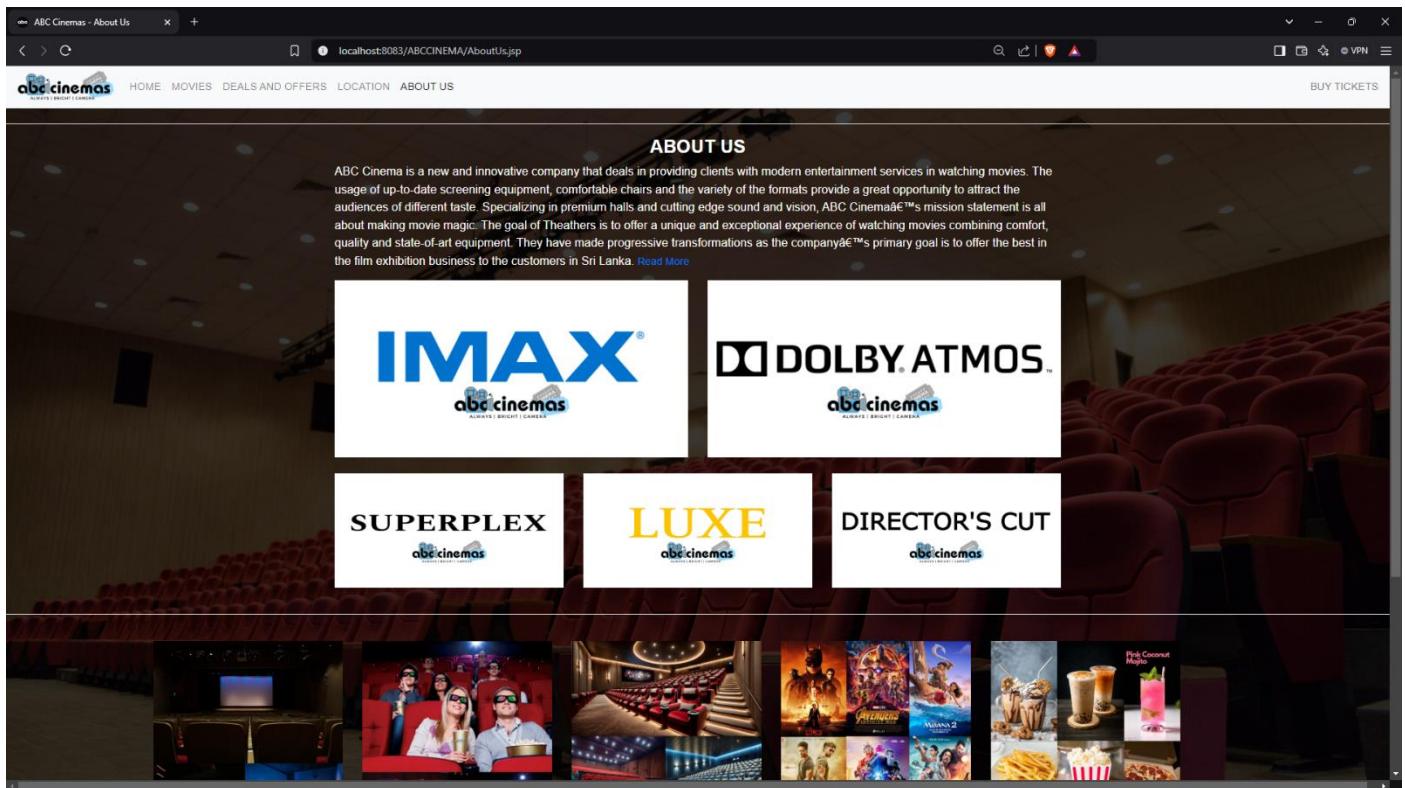
Tomcat v10.1 Server at localhost [Started, Synchronized] ABCCINEMA [Synchronized]

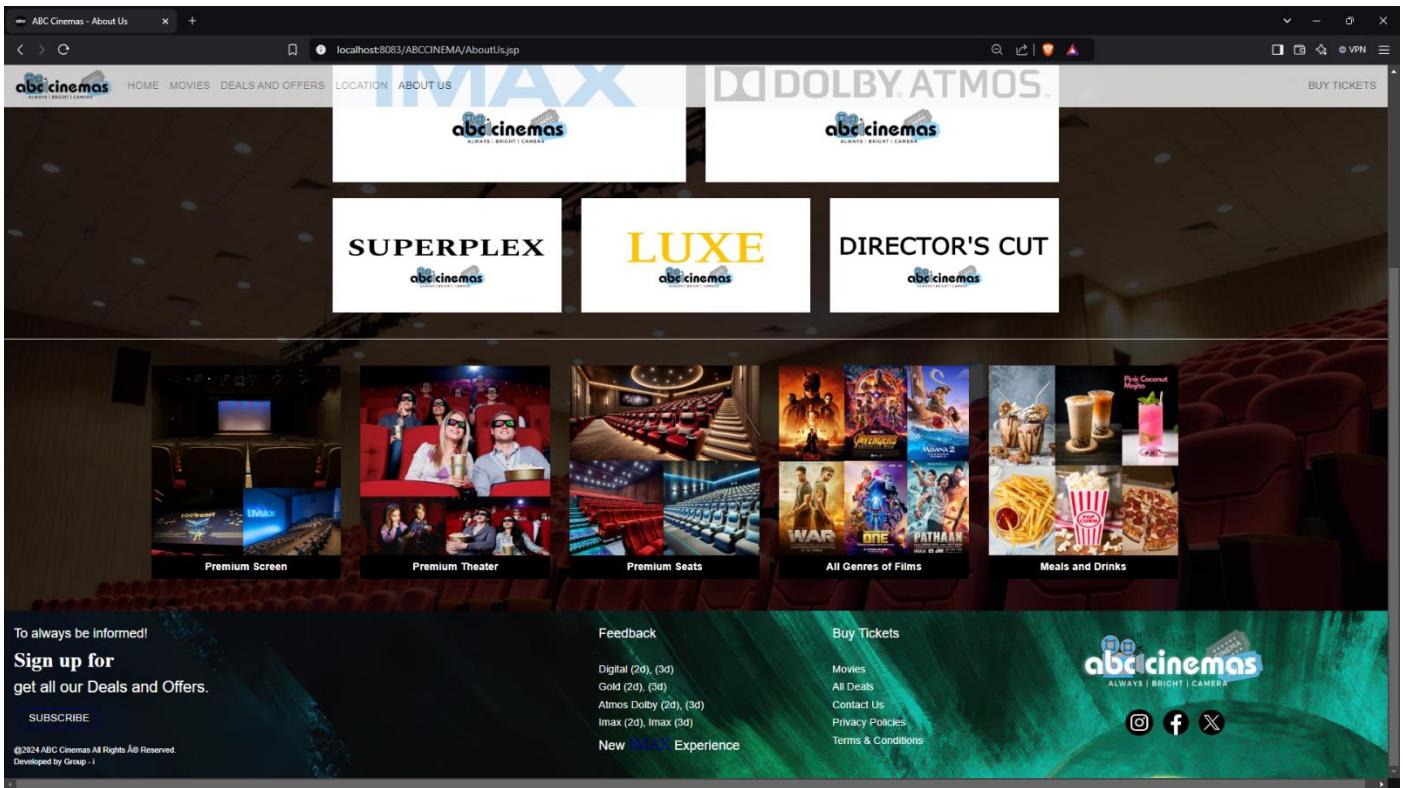
The screenshot shows the Eclipse IDE interface with the ABCCINEMA project open. The Project Explorer view on the left lists various Java files like CompleteBookingServlet.java, ContactFormServlet.java, User.java, and several CSS files including AboutUs.css, bootstrap-4.4.1.css, Buy.css, ContactUs.css, dealsand.css, Location.css, Login.css, Movies.css, Payment.css, Seats.css, style.css, and terms.css. The Location.css file is selected in the center editor, displaying its content which includes CSS rules for .row, .row30, .row31, .row32, .row33, and .row34 classes, all targeting .col-x1-4 iframe elements with specific styling for margin-left, overflow, and transition properties.

This page includes every theatre locations of our ABC Cinemas. And this page has facility description of the theatre locations. By getting the Embed Code from the Google location services and adding it to the webpage can add the google map of our theatre locations.

By adding iframe tags and using CSS codes ( inline / external – location.css ) these Google maps and images well maintained under the separated rows.

## 5. About Us Page





- Codes of the About Us Page

Screenshot of the Eclipse IDE showing the code for the About Us page (AboutUs.jsp). The code is written in JSP and includes CSS and JavaScript. The page content is as follows:

```

38      <h3 style="font-family: sans-serif; color: white;><center><b>ABOUT US</b></center></h3>
39      <div class="read-more-container">
40          <p>
41              <span class="short-text" style="color: white; text-align: justify; font-size: 18px;">ABC Cinema is a new and innovative company that deals in providing clients with modern entertainment<br/>
42                  <span class="full-text" style="color: white; text-align: justify; font-size: 18px;">ABC Cinema is a new and innovative company that deals in providing clients with modern entertainment<br/>
43                      <a href="javascript:void(0)" class="read-more-btn">Read More</a>
44          </p>
45      </div>
46      <div class="row row21">
47          <div class="col-xl-4"><center></center></div>
48          <div class="col-xl-4"><center></center></div>
49          <div class="col-xl-4"><center></center></div>
50      </div>
51      <br>
52      <div class="row row22" style="margin-left: 210px; color: white;"><!-- Adding a Row -->
53          <div class="col-xt-2"><div class="box">
54              
55          </div>
56          <div class="middle">
57              <div class="text"><center>Premium Screen</center></div>
58          </div>
59      </div>
60      <div class="col-xt-2"><div class="box">
61          
62          </div>
63          <div class="middle">
64              <div class="text"><center>Premium Theater</center></div>
65          </div>
66      </div>
67      <div class="col-xt-2"><div class="box">
68          
69          </div>
70          <div class="middle">
71              <div class="text"><center>Premium Seats</center></div>
72          </div>
73      </div>
74      <div class="col-xt-2"><div class="box">
75          
76          </div>
77          <div class="middle">
78              <div class="text"><center>All Genres of Films</center></div>
79          </div>
80      </div>
81      <div class="col-xt-2"><div class="box">
82          
83          </div>
84          <div class="middle">
85              <div class="text"><center>Meals and Drinks</center></div>
86          </div>
87      </div>
88  
```

```
eclipse-workspace - ABCCINEMA/src/main/webapp/AboutUs.jsp - Eclipse IDE
File Edit Source Refactor Navigate Search Project Run Window Help
Project Explorer X Tomcat v10.1 Server at localhost ContactFormServlet.java index.jsp AboutUs.jsp AboutUs.css
ABCINEMA Deployment Descriptor: ABCCINEMA
JAX-WS Web Services
Java Resources
Referenced Libraries
Deployed Resources
src
  main
    java
      > CompleteBookingServlet
      > ContactFormServlet
      > User
    resources
    webapp
      <!-- images -->
      <!-- WEB-INF -->
      <!-- test -->
      <!-- target -->
      pom.xml
      Servers
WEB-INF
  AboutUs.jsp
  Buy.jsp
  ContactUs.jsp
  DealOffers.jsp
  HomePage.jsp
  index.jsp
  Location.jsp
  Login.jsp
  Movies.jsp
  Payment.jsp
  Seats.jsp
  terms.jsp
  style.css
  <!-- images -->
  <!-- WEB-INF -->
  <!-- test -->
  <!-- target -->
  pom.xml
  Servers
AboutUs.jsp X
110 <div class="col-12-2">
111   <div>
112     <h5><a href="Buy.jsp">Buy Tickets</a></h5> <br>
113     <h5><a href="ContactUs.jsp">Movie Details</a></h5>
114     <h5><a href="DealOffers.jsp">All Deals</a></h5>
115     <h5><a href="ContactUs.jsp">Contact Us</a></h5>
116     <h5><a href="Terms.jsp#privacy">Privacy Policies</a></h5>
117     <h5><a href="Terms.jsp#conditions">Terms & Conditions</a></h5>
118   </div>
119
120   <div class="col-12-2">
121      <br>
122     
123     
124   </div>
125
126   <!-- Navigation Shading -->
127
128   <script>
129     window.addEventListener("scroll", function() {
130       const navbar = document.querySelector(".navbar");
131       if (window.scrollY > 50) {
132         navbar.classList.add("scrolled");
133       } else {
134         navbar.classList.remove("scrolled");
135       }
136     });
137   </script>
138
139   <!-- <!-- For Read More -->
140   <script>
141     document.querySelector('.read-more-btn').addEventListener('click', function () {
142       const fullText = document.querySelector('.full-text');
143       const shortText = document.querySelector('.short-text');
144
145       if (fullText.style.display === 'none' || !fullText.style.display) {
146         fullText.style.display = 'inline';
147         shortText.style.display = 'none';
148         shortText.textContent = 'Read Less';
149         this.textContent = 'Read More';
150       }
151     });
152   </script>
153
154
155
156
157
158
159
160 </body>
161 </html>
```

eclipse-workspace ABCCINEMA/src/main/webapp/css/AboutUs.css - Eclipse IDE

File Edit Source Navigate Search Project Run Window Help

Project Explorer X

ABCCINEMA pom.xml Tomcat 10.1 Server at localhost ContactFormServlet.java index.jsp AboutUs.jsp AboutUs.css

ABCCINEMA

Deployment Descriptor: ABCCINEMA

JAX-WS Web Services

Java Resources

Referenced Libraries

Deployed Resources

main

java

CompleteBookingServlet

ContactFormServlet

User

resources

webapp

css

AboutUs.css

bootstrap-4.4.1.css

Buy.css

Category.css

Dealership.css

Location.css

Login.css

Movies.css

Payment.css

Seats.css

style.css

images

js

WEB-INF

AboutUs.jsp

Buy.jsp

ContactUs.jsp

DealsOffer.jsp

Home.jsp

index.jsp

Location.jsp

Login.jsp

Movies.jsp

Payment.jsp

Seats.jsp

Terms.jsp

test

target

pom.xml

Servers

ABCCINEMA/pom.xml

@charset "utf-8";

background-image: url("../images/aboutusbackground.jpg");

background-position: center;

background-attachment: fixed;

background-size: cover;

.read-more-container .full-text {

display: none; /\* Initially hide the full text \*/

}

.col-xl-6 center .img-fluid {

overflow: hidden;

transition: transform 0.4s ease;

.col-xl-6 center .img-fluid:hover {

transform: scale(1.1);

}

.col-xl-4 center .img-fluid {

overflow: hidden;

transition: transform 0.4s ease;

.col-xl-4 center .img-fluid:hover {

transform: scale(1.1);

}

.box {

box-shadow: 0 0 20px 20px rgba(0, 0, 0, 0.1);

transition: filter 1s;

}

.box:hover {

transform: scale(1.3);

z-index: 2;

}

.text {

font-weight: bold;

font-family: sans-serif;

background-color: #000000;

color: white;

font-size: 16px;

padding: 6px 2px;

}

Tomcat 10.1 Server at localhost [Started, Synchronized]

ABCCINEMA [Synchronized]

This is the page that includes the content about ABC Cinemas. Adding a paragraph that users can read more of it. And images of all the Facilities of ABC are added by img tags and styles with CSS codes.

By using CSS ( inline / external – AboutUs.css ) and JS codes these images are hovered to improve user experience. CSS codes are used to add a background image to this webpage.

## 6. Buy Tickets Page

ABC Cinemas - Buy Special Sh... + localhost:8083/ABCCINEMA/Buy.jsp

abc cinemas HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS

### BUY NOW - SPECIALS SHOWINGS

Search for a movie...

**Oppenheimer**



Release date: July 21, 2023  
Director: Christopher Nolan  
Budget: 100 million USD  
Awards: A Award for Best Picture  
Distributed by: Universal Pictures  
Adapted from: Tragedy of J. Robert Oppenheimer

New IMAX Experience

**BOOK NOW**

**Venom: The Last Dance**



Release date: October 24, 2024  
Director: Kelly Marcel  
Box office: \$472.8 million  
Story by: Tom Hardy, Kelly Marcel  
Distributed by: Sony Pictures Releasing  
Based on: Marvel Comics

Digital 2D | Dolby Atmos | IMAX

**BOOK NOW**

**The Wild Robot**



Release date: September 27, 2024  
Director: Chris Sanders  
Box office: \$322 million  
Music by: Kris Bowers

Digital 2D | Dolby Atmos | LUXE

**BOOK NOW**

ABC Cinemas - Buy Special Sh... + localhost:8083/ABCCINEMA/Buy.jsp

abc cinemas HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS

**AMARAN**



Box office: est. ₹320 crore  
Music composed by: G. V. Prakash Kumar  
Producers: Kamal Haasan, R Mahendran, Mahendran  
Language: Tamil

**BOOK NOW**

**Pushpa 2**



Release date: December 5, 2024  
Director: Sukumar  
Budget: ₹4000-₹500 crore  
Music composed by: Devi Sri Prasad  
Producers: Naveen Yermeni, Y. Ravi Shankar  
Language: Tamil

Digital 2D | Dolby Atmos | LUXE

**BOOK NOW**

**Deadpool and Wolverine**



Release date: July 25, 2024  
Director: Shawn Levy  
Box office: \$1.338 billion  
Budget: \$200 million  
Distributed by: Walt Disney Studios Motion Pictures  
Based on: Marvel Comics

Digital 2D | Dolby Atmos | IMAX

**BOOK NOW**

To always be informed!  
**Sign up for**  
get all our Deals and Offers.

**SUBSCRIBE**

©2024 ABC Cinema All Rights Reserved.  
Developed by Group - i

localhost:8083/ABCCINEMA/Login.html

**Feedback**  
Digital (2d), (3d)  
Gold (2d), (3d)  
Atmos Dolby (2d), (3d)  
Imax (2d), Imax (3d)  
New IMAX Experience

**Buy Tickets**  
Movies  
All Deals  
Contact Us  
Privacy Policies  
Terms & Conditions

abc cinemas  
ALWAYS | BRIGHT | CAMERA

**Instagram** **Facebook** **Twitter**

## • Codes of the Buy Tickets Page

Screenshot of Eclipse IDE showing the code for the Buy.jsp page. The code displays movie details in a grid format.

```

<div class="row row79">
    <div class="col-xl-4"><center></center></div>
    <div class="col-md-4 col-xl-12" style="background-color: black; color: white;">
        <div class="card card-body">
            <h5 class="card-title" href="#">Movie: Oppenheimer
            <p class="card-text">
                <ul>
                    <li>Release date: July 21, 2023</li>
                    <li>Director: Christopher Nolan</li>
                    <li>Budget: 100 million USD</li>
                    <li>Awards: A.Award for Best Picture</li>
                    <li>Distributed by: Universal Pictures</li>
                    <li>Adapted from Tragedy of J. Robert Oppenheimer</li>
                </ul>
            </p>
        </div>
    </div>
    <div class="col-xl-4">
        <div style="font-family: sans-serif; margin-top: 50px; margin-left: 80px; color: white;"><a href="#" id="imax" style="margin-top: 40px; margin-left: 120px;">IMAX</a><br/><a href="#" id="btm1" style="margin-top: 40px; margin-left: 120px;">BOOK NOW</a></div>
    </div>
</div>
<div class="row row80">
    <div class="col-xl-4"><center></center></div>
    <div class="col-md-4 col-xl-12" style="background-color: black; color: white;">
        <div class="card card-body">
            <h5 class="card-title" href="#">Venom: The Last Dance
            <p class="card-text">
                <ul>
                    <li>Release date: October 24, 2024</li>
                    <li>Director: Kelly Marcel</li>
                    <li>Box office: $472.8 million</li>
                    <li>Story by: Tom Hardy; Kelly Marcel</li>
                    <li>Distributed by: Sony Pictures Releasing</li>
                    <li>Based on: Marvel Comics</li>
                </ul>
            </p>
        </div>
    </div>
</div>

```

Screenshot of Eclipse IDE showing the code for the Buy.jsp page. The code displays movie details in a grid format.

```

<div class="row row84">
    <div class="col-xl-4"><center></center></div>
    <div class="col-md-4 col-xl-12" style="background-color: black; color: white;">
        <div class="card card-body">
            <h5 class="card-title" href="#">Rushpa 2
            <p class="card-text">
                <ul>
                    <li>Release date: December 5, 2024</li>
                    <li>Director: Sukumar</li>
                    <li>Budget: ₹400-500 crores</li>
                    <li>Music composed by Devi Sri Prasad</li>
                    <li>Producers: Ravneet Yeremi, V. Ravi Shankar</li>
                    <li>Language: Telugu</li>
                </ul>
            </p>
        </div>
    </div>
    <div class="col-xl-4">
        <div style="font-family: sans-serif; margin-top: 50px; margin-left: 80px; color: white;"><a href="#" style="margin-top: 40px; margin-left: 120px;">IMAX</a><br/><a href="#" style="margin-top: 40px; margin-left: 120px;">BOOK NOW</a></div>
    </div>
</div>
<div class="row row84">
    <div class="col-xl-4"><center></center></div>
    <div class="col-md-4 col-xl-12" style="background-color: black; color: white;">
        <div class="card card-body">
            <h5 class="card-title" href="#">Deadpool and Wolverine
            <p class="card-text">
                <ul>
                    <li>Release date: July 25, 2024</li>
                    <li>Director: Shawn Levy</li>
                    <li>Box office: $1.388 billion</li>
                    <li>Story by: Scott Frank</li>
                    <li>Distributed by: Walt Disney Studios Motion Pictures</li>
                    <li>Based on: Marvel Comics</li>
                </ul>
            </p>
        </div>
    </div>
    <div class="col-xl-4">
        <div style="font-family: sans-serif; margin-top: 50px; margin-left: 80px; color: white;"><a href="#" style="margin-top: 40px; margin-left: 120px;">IMAX</a><br/><a href="#" style="margin-top: 40px; margin-left: 120px;">BOOK NOW</a></div>
    </div>
</div>
</div> <!-- container -->

```

```

<!-- JS for Search bar searching -->
<script>
    function filterMovies() {
        // Get the search input value
        const searchInput = document.getElementById("movieSearch").value.toLowerCase();

        // Get all movie rows
        const rows = document.querySelectorAll(".row");

        // Loop through each row to check if the movie name matches the search input
        rows.forEach(row => {
            const movieTitle = row.querySelector(".card-title").innerText.toLowerCase();

            // Check if the title includes the search input
            if (movieTitle.includes(searchInput)) {
                row.style.display = "flex"; // Show matching rows
            } else {
                row.style.display = "none"; // Hide non-matching rows
            }
        });
    }
</script>

<!-- Row loader -->
<script>
    window.addEventListener("load", function () {
        const preloader = document.getElementById("preloader");
        const mainContent = document.getElementById("main-content");

        setTimeout(() => {
            preloader.style.display = "none"; // Hide preloader
            mainContent.style.display = "block"; // Show main content
        }, 1000); // Adjust delay as needed (1000ms = 1 second)
    });
</script>

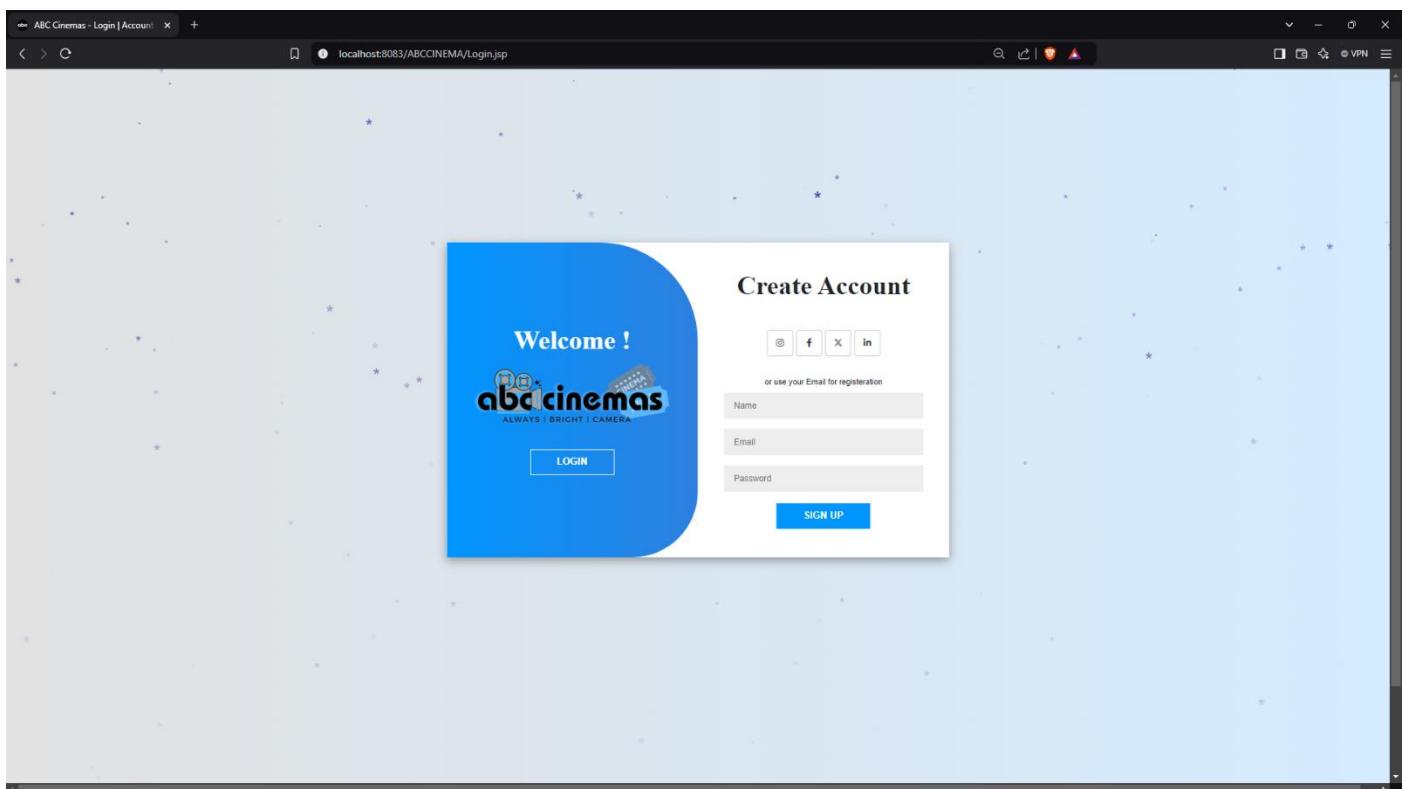
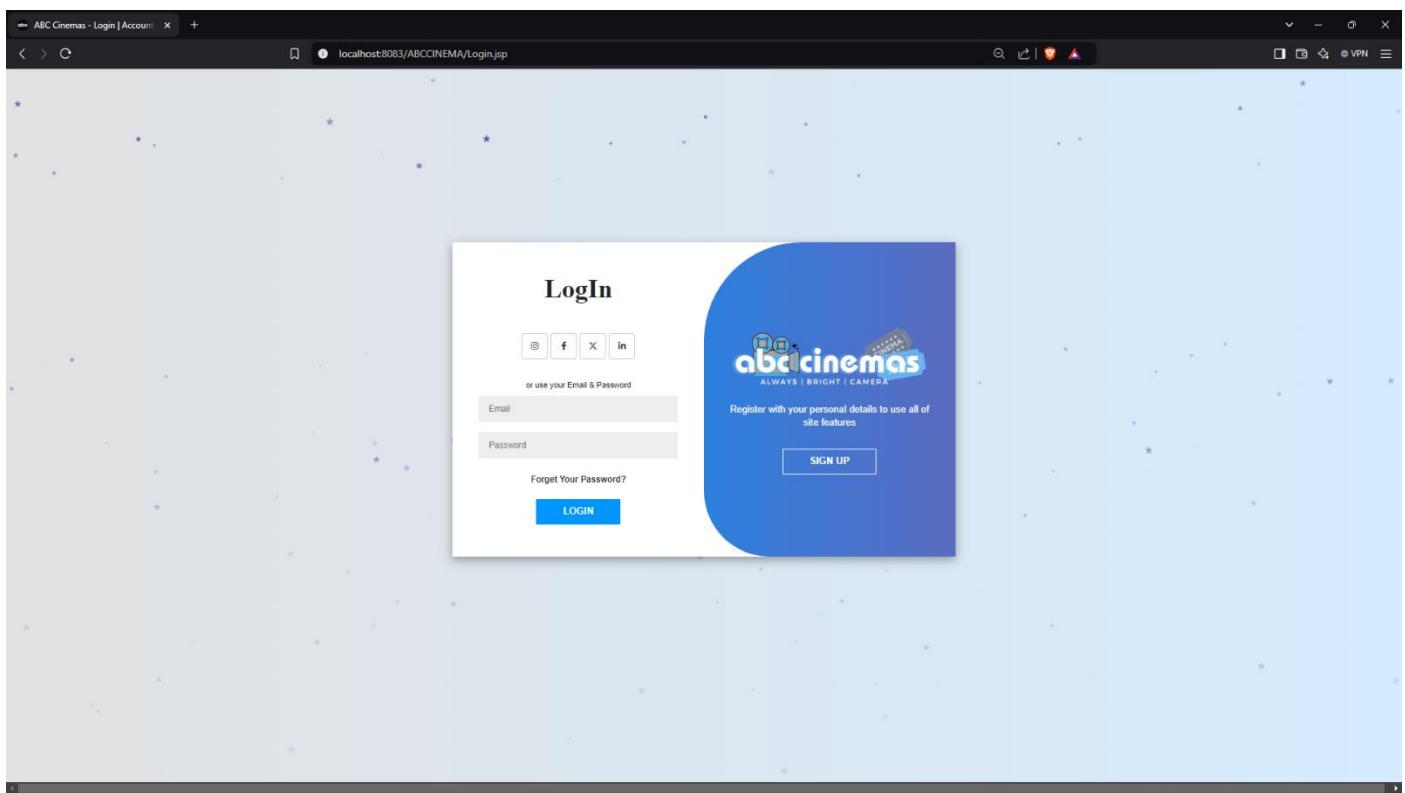
<!-- Navbar Shading -->
<script>
    window.addEventListener("scroll", function() {
        const navbar = document.querySelector(".navbar");
        if (window.scrollY > 50) {
            navbar.classList.add("scrolled");
        } else {
            navbar.classList.remove("scrolled");
        }
    });
</script>

```

This is also one of the main page of our website. Because this page consists of special showing movies that is screened in best quality theatres, like IMAX, Atmos Dolby and luxe. Including images and details in separated row tags using CSS codes ( inline / external – Buy.css ).

By clicking on the Book now button will direct the user to the seat selecting page with the selected movie title. Using JS codes all the movie titles are connected to the seats selecting page with automatically adding the name of the selected movie.

## 7. Login and Signup Page



- Codes of the Login and Signup Page

The screenshot shows the Eclipse IDE interface with the following details:

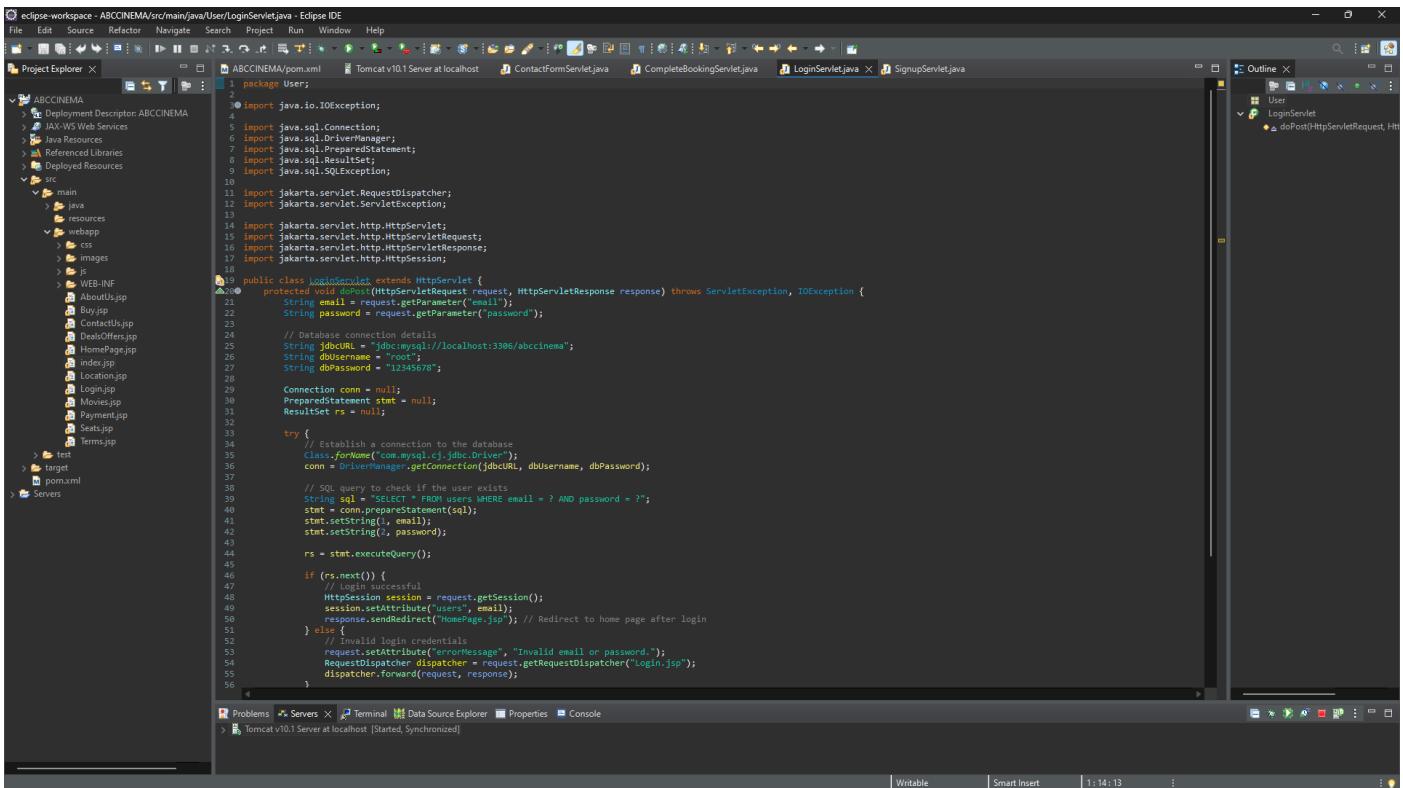
- Project Explorer**: Shows the project structure for "ABCCINEMA".
- Code Editor**: Displays the content of "Login.jsp". The code includes JSP tags, CSS classes, and JavaScript for handling form submission and navigation.
- Outline View**: Shows the structure of the "index.jsp" file, which includes sections like Head, Body, and various script blocks.
- Bottom Status Bar**: Shows the status "Tomcat v10.1 Server at localhost [Apache Tomcat/9.0.52]".
- Console Tab**: Shows log messages from the server, including a warning about JAR scanning and a message about reloading context.

```
<%@ page language="java" %>
<html>
    <head>
        <meta charset="UTF-8" />
        <title>ABC Cinema</title>
        <link href="css/bootstrap-4.4.1.css" rel="stylesheet" />
        <link href="css/index.css" rel="stylesheet" />
        <link href="css/navabar.css" rel="stylesheet" />
        <link href="css/loader.css" rel="stylesheet" />
        <script src="js/navabar.js" type="text/javascript"></script>
    </head>
    <body>
        <div id="main-content">
            <div class="container" style="text-align: center; margin-top: 100px;">
                
                <p>Register with your personal details to use all of site features!</p>
                <form action="register" method="post" style="margin-top: 20px;">
                    <div class="form-group">
                        <input type="text" name="username" class="form-control" placeholder="User Name" required="" />
                    </div>
                    <div class="form-group">
                        <input type="password" name="password" class="form-control" placeholder="Password" required="" />
                    </div>
                    <div class="form-group">
                        <input type="password" name="confirm_password" class="form-control" placeholder="Confirm Password" required="" />
                    </div>
                    <div class="form-group">
                        <input type="checkbox" name="terms_and_conditions" required="" checked="" /> I agree to the <a href="#">Terms and Conditions
                    </div>
                    <div style="text-align: right; margin-top: 10px;">
                        <button type="submit" class="btn btn-primary" style="width: 150px; font-size: 1em; padding: 5px 10px; border-radius: 5px;">Sign Up
                    </div>
                </form>
            </div>
        </div>
    </body>
</html>
```

This is the Page where users can manage their user accounts. New users can create a account on this Signup side and existing users can Login to their account by using Login side. Using a toggler sides are changing to Login side and Signup side.

Using a container tag content is on the middle of the webpage. Toggler tag is set to the left side via CSS for Login side and Toggler tag is set to the right side for Signup side. This toggler changing functionality and all other contents and functions are well maintained with JS and CSS codes ( inline / external – Login.css ).

- Servlet files of the Login Page



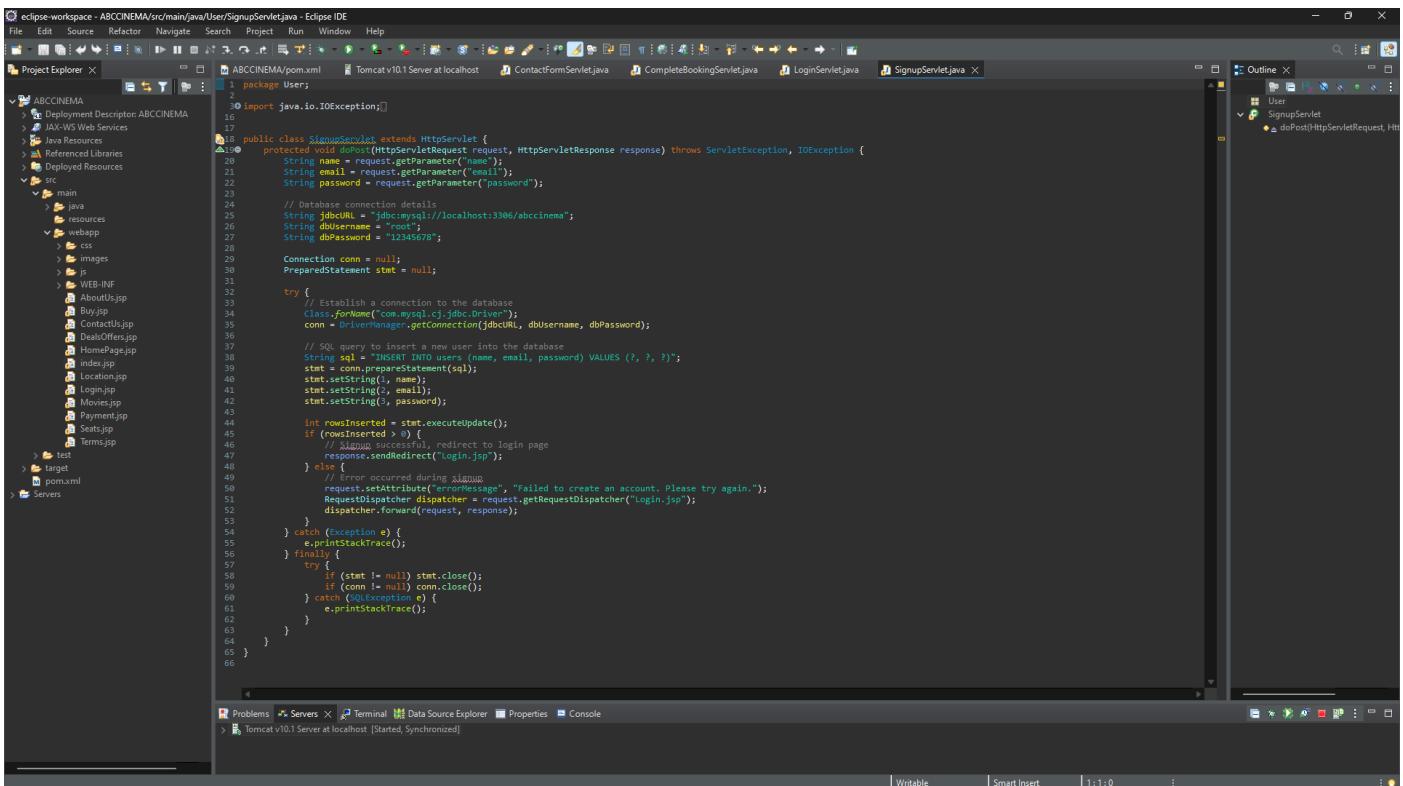
The screenshot shows the Eclipse IDE interface with the project 'ABCCINEMA' open. The 'LoginServlet.java' file is the active editor. The code implements a HttpServlet to handle user login. It connects to a MySQL database using JDBC and executes a SQL query to check if the provided email and password match a user in the 'users' table. If successful, it creates a HttpSession and redirects to the homepage ('User.jsp'). If unsuccessful, it sets an error message and forwards the request back to the login page ('Login.jsp').

```

1 package User;
2
3 import java.io.IOException;
4 import java.sql.Connection;
5 import java.sql.DriverManager;
6 import java.sql.PreparedStatement;
7 import java.sql.ResultSet;
8 import java.sql.SQLException;
9
10 import jakarta.servlet.RequestDispatcher;
11 import jakarta.servlet.ServletException;
12
13 import jakarta.servlet.http.HttpServlet;
14 import jakarta.servlet.http.HttpServletRequest;
15 import jakarta.servlet.http.HttpServletResponse;
16 import jakarta.servlet.http.HttpSession;
17 import jakarta.servlet.http.HttpSession;
18
19 public class LoginServlet extends HttpServlet {
20     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
21         String email = request.getParameter("email");
22         String password = request.getParameter("password");
23
24         // Database connection details
25         String jdbcURL = "jdbc:mysql://localhost:3306/abccinema";
26         String dbUsername = "root";
27         String dbPassword = "12345678";
28
29         Connection conn = null;
30         PreparedStatement stmt = null;
31         ResultSet rs = null;
32
33         try {
34             // Establish a connection to the database
35             Class.forName("com.mysql.cj.jdbc.Driver");
36             conn = DriverManager.getConnection(jdbcURL, dbUsername, dbPassword);
37
38             // SQL query to check if the user exists
39             String sql = "SELECT * FROM users WHERE email = ? AND password = ?";
40             stmt = conn.prepareStatement(sql);
41             stmt.setString(1, email);
42             stmt.setString(2, password);
43
44             rs = stmt.executeQuery();
45
46             if (rs.next()) {
47                 // Login successful
48                 HttpSession session = request.getSession();
49                 session.setAttribute("users", email);
50                 response.sendRedirect("User.jsp"); // Redirect to home page after login
51             } else {
52                 // Invalid login credentials
53                 request.setAttribute("errorMessage", "Invalid email or password.");
54                 RequestDispatcher dispatcher = request.getRequestDispatcher("Login.jsp");
55                 dispatcher.forward(request, response);
56             }
57         } catch (SQLException e) {
58             e.printStackTrace();
59         } finally {
60             try {
61                 if (stmt != null) stmt.close();
62                 if (conn != null) conn.close();
63             } catch (SQLException e) {
64                 e.printStackTrace();
65             }
66         }
67     }
68 }

```

- Servlet file of the Signup page



The screenshot shows the Eclipse IDE interface with the project 'ABCCINEMA' open. The 'SignupServlet.java' file is the active editor. The code implements a HttpServlet to handle user signup. It connects to a MySQL database using JDBC and executes an SQL query to insert new user data into the 'users' table. If successful, it sends a success message and redirects to the login page ('User.jsp'). If an error occurs during insertion, it sets an error message and forwards the request back to the login page ('Login.jsp').

```

1 package User;
2
3 import java.io.IOException;
4
5 public class SignupServlet extends HttpServlet {
6     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
7         String name = request.getParameter("name");
8         String email = request.getParameter("email");
9         String password = request.getParameter("password");
10
11         // Database connection details
12         String jdbcURL = "jdbc:mysql://localhost:3306/abccinema";
13         String dbUsername = "root";
14         String dbPassword = "12345678";
15
16         Connection conn = null;
17         PreparedStatement stat = null;
18
19         try {
20             // Establish a connection to the database
21             Class.forName("com.mysql.cj.jdbc.Driver");
22             conn = DriverManager.getConnection(jdbcURL, dbUsername, dbPassword);
23
24             // SQL query to insert new user data
25             String sql = "INSERT INTO users (name, email, password) VALUES (?, ?, ?)";
26             stat = conn.prepareStatement(sql);
27             stat.setString(1, name);
28             stat.setString(2, email);
29             stat.setString(3, password);
30
31             int rowsInserted = stat.executeUpdate();
32             if (rowsInserted > 0) {
33                 // Signup successful, redirect to login page
34                 response.sendRedirect("User.jsp");
35             } else {
36                 // Error occurred during signup
37                 request.setAttribute("errorMessage", "Failed to create an account. Please try again.");
38                 RequestDispatcher dispatcher = request.getRequestDispatcher("Login.jsp");
39                 dispatcher.forward(request, response);
40             }
41         } catch (Exception e) {
42             e.printStackTrace();
43         } finally {
44             try {
45                 if (stat != null) stat.close();
46                 if (conn != null) conn.close();
47             } catch (SQLException e) {
48                 e.printStackTrace();
49             }
50         }
51     }
52 }

```

These are the 2 servlet files we developed to build the connections between our database in the mySql workbench. When a new user enter user's details and signup that data will be stored in the table below mentioned. If a user was already signed that user's data will select from the entered queries in servlets and that user can login.

- User table of the database

The screenshot shows the MySQL Workbench interface. In the top navigation bar, 'File', 'Edit', 'View', 'Query', 'Database', 'Server', 'Tools', 'Scripting', and 'Help' are visible. The 'Navigator' pane on the left lists 'SCHEMAS' (abccinema, sakila, sys, world) and 'Tables' (contacts, feedback, movies, users). The 'Query 1' tab contains the query: 'SELECT \* FROM abccinema.users;'. The 'Result Grid' shows the following data:

	id	name	email	password
1	Dinoth Kavinda	dinoth08@gmail.com	12345	
2	Dulaj Dulath	dulaj.dulath@gmail.com	12345	
3				
4				
5				

The 'Output' pane at the bottom shows the execution history:

#	Time	Action	Message	Duration / Fetch
1	21:29:40	SELECT * FROM abccinema.contacts LIMIT 0, 1000	7 row(s) returned	0.015 sec / 0.000 sec
2	21:30:52	SELECT * FROM abccinema.feedback LIMIT 0, 1000	0 row(s) returned	0.000 sec / 0.000 sec
3	21:31:02	SELECT * FROM abccinema.contacts LIMIT 0, 1000	7 row(s) returned	0.000 sec / 0.000 sec
4	21:32:09	SELECT * FROM abccinema.movies LIMIT 0, 1000	9 row(s) returned	0.000 sec / 0.000 sec
5	21:32:24	SELECT * FROM abccinema.users LIMIT 0, 1000	2 row(s) returned	0.000 sec / 0.000 sec

## 8. Feedback with Contact Us page

The screenshot shows a web browser displaying the 'ABC Cinemas - Contact Us | Fe' page at 'localhost:8083/ABCCINEMA/ContactUs.jsp'. The header includes the ABC Cinemas logo, 'HOME', 'MOVIES', 'DEALS AND OFFERS', 'LOCATION', 'ABOUT US', and 'BUY TICKETS'.

The main content features a 'CONTACT US' section with three boxes:

- Marketing & Advertising**: +94 72 502 6115, abcmarketing@gmail.com
- Theatre Contact Details**: +94 75 850 2154, abctheatre@gmail.com
- Customer Care Service**: 11 2 800 574 / 11 2 500 874, abccustomercare@gmail.com

Below this is a 'FEEDBACKS' section with a heading 'How important you are!'. A text block explains the importance of customer feedback. A 'We value your feedback!' button is present.

A modal window titled 'How would you rate your experience on ABC Cinemas?' is open. It contains a 5-star rating scale, input fields for 'First Name', 'Last Name', 'Email', and 'Phone', a text area for 'What would you like to share with us?', and a dropdown menu for 'Suggestion'.

**ABC Cinemas** HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS

**CONTACT US**

**Marketing & Advertising**  
+94 72 502 6115  
abcmarketing@gmail.com

**Customer Care Service**  
+94 75 850 2154  
abctheatre@gmail.com  
11 2 800 574 / 11 2 500 874  
(9.00am - 11.30pm - 24/7)  
abccustomercare@gmail.com

**FEEDBACKS**

**How important you are!**

ABC Cinemas needs customer feedback as it helps make the movie going experience better for them. Through suggestions from the audiences and presenting cause of complaints the services such as seating comfort, sound quality, snack options and ticketing processes can be enhanced. Feedback keeps viewers loyal and builds in trust with viewers by creating a personalized experience that makes them want to watch again and again. ABC Cinemas knows what audiences are looking for and continues to stay step ahead of the rivals, providing you an unforgettable cinematic experience.

**We value your feedback!**

How would you rate your experience on ABC Cinemas?  
★ ★ ★ ★ ★

First Name:

Last Name:

Email:

Phone:

What would you like to share with us?  
Suggestion:

**ABC Cinemas** HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS

**CONTACT US**

**Marketing & Advertising**  
+94 72 502 6115  
abcmarketing@gmail.com

**Customer Care Service**  
+94 75 850 2154  
abctheatre@gmail.com  
11 2 800 574 / 11 2 500 874  
(9.00am - 11.30pm - 24/7)  
abccustomercare@gmail.com

**FEEDBACKS**

**How important you are!**

ABC Cinemas needs customer feedback as it helps make the movie going experience better for them. Through suggestions from the audiences and presenting cause of complaints the services such as seating comfort, sound quality, snack options and ticketing processes can be enhanced. Feedback keeps viewers loyal and builds in trust with viewers by creating a personalized experience that makes them want to watch again and again. ABC Cinemas knows what audiences are looking for and continues to stay step ahead of the rivals, providing you an unforgettable cinematic experience.

**We value your feedback!**

How would you rate your experience on ABC Cinemas?  
★ ★ ★ ★ ★

First Name:

Last Name:

Email:

Phone:

What would you like to share with us?  
Suggestion:

The screenshot shows a web browser window for 'ABC Cinemas - Contact Us | Fe...' at 'localhost:8083/ABCCINEMA/ContactUs.jsp'. The page has a dark theme with a navigation bar at the top. A central section titled 'CONTACT US' contains two boxes: 'Marketing & Advertising' (with contact info) and 'Customer Care Service' (with contact info). Below these is a 'FEEDBACKS' section with a 'How important you are!' heading and a detailed paragraph about customer feedback. A 'We value your feedback!' button is present. A modal dialog from the Microsoft Store is overlaid on the page, asking 'Select an app to open this 'mailto' link'. It lists several apps: Default app (Mail), Suggested apps (Brave, Google Chrome, New), and Microsoft Edge. Buttons for 'Always' and 'Just once' are at the bottom. To the right of the dialog is a feedback form asking 'How would you rate your experience on ABC Cinemas?'. The form includes fields for First Name, Last Name, Email, Phone, and a 'What would you like to share with us?' dropdown set to 'Suggestion'. There's also a text area for 'Write your ideas & experience about us here!' and a note about assistance.

This screenshot shows the same web browser window as the previous one, but the Microsoft Store dialog is no longer visible. The page content remains the same, including the 'CONTACT US' section, the 'FEEDBACKS' section with its detailed paragraph and 'We value your feedback!' button, and the feedback form on the right. The feedback form now includes a note at the bottom stating: 'If you need assistance with ABC Cinemas, please [click here](#) to contact us as soon as possible.' A large blue 'Submit' button is at the bottom of the form.

- Codes for the Contact Us Page

Screenshot of Eclipse IDE showing the code for the ContactUs.jsp page. The code includes sections for Marketing & Advertising, Theatre Contact Details, Customer Care Service, and a feedback section with a star rating system and a form for user input.

```

<h3 style="font-family: sans-serif; color: white; margin-right: 870px;"><b>CONTACT US</b></center><br>
<div class="container">
    <div style="margin-right: 870px;">
        <div class="row">
            <div class="col-12-4">
                <h3>Marketing & Advertising</h3>
                <ul>
                    <li><a href="#" onClick="openTelLink()"+94.72.502.6115.</a><br>
                    <li><a href="mailto:abcmarketing@gmail.com" onClick="checker()".abcmarketing@gmail.com.</a><br>
                </ul>
            </div>
            <div class="col-12-4">
                <h3>Theatre Contact Details</h3>
                <ul>
                    <li><a href="#" onClick="openTelLink()"+94.75.858.2154.</a><br>
                    <li><a href="mailto:abctheatre@gmail.com" onClick="checker()".abctheatre@gmail.com.</a><br>
                </ul>
            </div>
            <div class="col-12-4">
                <h3>Customer Care Service</h3>
                <ul>
                    <li><a href="#" onClick="openTelLink()"+11.2.800.574.</a> /<br>
                    <li><a href="#" onClick="openTelLink()"+11.2.500.874.</a> /<br>
                    <li>(9.00am - 11.30pm + 24/7).</a> /<br>
                    <li><a href="mailto:abccustomerservice@gmail.com" onClick="checker()".abccustomerservice@gmail.com.</a><br>
                </ul>
            </div>
        </div>
    </div>
</div>
<hr>
<div id="feedback">
    <hr>
    <h3 style="font-family: sans-serif; color: white; margin-right: 880px;"><b>FEEDBACKS</b></center><br>
    <div class="row">
        <div class="col-12-6">
            <h2 id="h2" style="margin-left: 20px;"> How important you are! </h2>
            <hr style="margin-left: 20px;">
            <h5 id="h5" style="margin-left: 20px;">ABC Cinemas needs customer feedback as it helps make the movie going experience better for them. Through suggestions from the audience, we value your feedback! </h5>
        </div>
        <div class="col-12-6">
            <div class="feedback-card">
                <div class="header">
                    <h2>How would you rate your experience on ABC Cinemas? </h2>
                </div>
                <div class="stars">
                    <span class="star">&#9733;</span>
                    <span class="star">&#9733;</span>
                    <span class="star">&#9733;</span>
                    <span class="star">&#9733;</span>
                    <span class="star">&#9733;</span>
                    <span class="star inactive">&#9733;</span>
                </div>
                <form action="ContactFormServlet" method="post">
                    <label for="first-name">First Name:</label>
                    <input type="text" id="first-name" name="first-name" required>
                    <label for="last-name">Last Name:</label>
                    <input type="text" id="last-name" name="last-name" required>
                    <label for="email">Email:</label>
                    <input type="email" id="email" name="email" required>
                    <label for="phone">Phone:</label>
                    <input type="text" id="phone" name="phone" required>
                    <label for="feedback-type">What would you like to share with us? </label>
                    <select id="feedback-type" name="feedback-type">
                        <option value="suggestion">Suggestions</option>
                        <option value="complaint">Complaint or Technical error</option>
                        <option value="greatness">Great Experience</option>
                        <option value="complaint">Complaint</option>
                    </select>
                    <label for="feedback-details">Write your ideas & experience about us here! </label>
                    <textarea id="feedback-details" name="feedback-details" placeholder="write your feedback here..." required></textarea>
                    <p id="p1">If you need assistance with ABC Cinemas, please <a href="#" onClick="openTelLink()".click here</a> to contact us as soon as possible.</p>
                    <button type="submit" class="submit-btn">Submit</button>
                </form>
            </div>
        </div>
    </div>
</div>
<hr>

```

Screenshot of Eclipse IDE showing the code for the ContactUs.jsp page. The code includes sections for Marketing & Advertising, Theatre Contact Details, Customer Care Service, and a feedback section with a star rating system and a form for user input.

```

<h3 style="font-family: sans-serif; color: white; margin-right: 880px;"><b>FEEDBACKS</b></center><br>
<div class="row">
    <div class="col-12-6">
        <h2 id="h2" style="margin-left: 20px;"> How important you are! </h2>
        <hr style="margin-left: 20px;">
        <h5 id="h5" style="margin-left: 20px;">ABC Cinemas needs customer feedback as it helps make the movie going experience better for them. Through suggestions from the audience, we value your feedback! </h5>
    </div>
    <div class="col-12-6">
        <div class="feedback-card">
            <div class="header">
                <h2>How would you rate your experience on ABC Cinemas? </h2>
            </div>
            <div class="stars">
                <span class="star">&#9733;</span>
                <span class="star">&#9733;</span>
                <span class="star">&#9733;</span>
                <span class="star">&#9733;</span>
                <span class="star">&#9733;</span>
                <span class="star inactive">&#9733;</span>
            </div>
            <form action="ContactFormServlet" method="post">
                <label for="first-name">First Name:</label>
                <input type="text" id="first-name" name="first-name" required>
                <label for="last-name">Last Name:</label>
                <input type="text" id="last-name" name="last-name" required>
                <label for="email">Email:</label>
                <input type="email" id="email" name="email" required>
                <label for="phone">Phone:</label>
                <input type="text" id="phone" name="phone" required>
                <label for="feedback-type">What would you like to share with us? </label>
                <select id="feedback-type" name="feedback-type">
                    <option value="suggestion">Suggestions</option>
                    <option value="complaint">Complaint or Technical error</option>
                    <option value="greatness">Great Experience</option>
                    <option value="complaint">Complaint</option>
                </select>
                <label for="feedback-details">Write your ideas & experience about us here! </label>
                <textarea id="feedback-details" name="feedback-details" placeholder="write your feedback here..." required></textarea>
                <p id="p1">If you need assistance with ABC Cinemas, please <a href="#" onClick="openTelLink()".click here</a> to contact us as soon as possible.</p>
                <button type="submit" class="submit-btn">Submit</button>
            </form>
        </div>
    </div>
</div>
<hr>

```

```

<!-- Smooth Scrolling to PRIVACY POLICY -->
<style>
    html {
        scroll-behavior: smooth;
    }
</style>
<script>
    document.querySelectorAll('a[href="#"]').forEach(anchor => {
        anchor.addEventListener('click', function (e) {
            e.preventDefault();
            document.querySelector(this.getAttribute('href')).scrollIntoView({
                behavior: 'smooth'
            });
        });
    });
</script>
<!-- Navbar Shading -->
<script>
    window.addEventListener("scroll", function() {
        const navbar = document.querySelector(".navbar");
        if (window.scrollY > 50) {
            navbar.classList.add("scrolled");
        } else {
            navbar.classList.remove("scrolled");
        }
    });
</script>
<!-- Prompt -->
<script>
    function checker() {
        var result = confirm('Open Pick an App?');
        if (result == false) {
            event.preventDefault();
        }
    }
</script>
<!-- For Opening the App list in the User device -->
<script>
    function openTelLink() {
        // This will trigger the app picker
        window.location.href = "tel:+91 72 502 6115";
    }
</script>
<!-- For Star Clicker -->
<script>
    document.addEventListener('DOMContentLoaded', () => {
        const stars = document.querySelectorAll('.star');
        stars.forEach(star => {
            star.addEventListener('click', () => {
                let index = Array.from(stars).indexOf(star);
                if (index === stars.length - 1) {
                    star.innerHTML = '5';
                } else {
                    star.innerHTML = index + 1;
                }
            });
        });
    });
</script>

```

The screenshot shows the Eclipse IDE interface with the ContactUs.jsp file open in the editor. The code includes various JavaScript and CSS snippets for navigation, styling, and user interaction. The Eclipse interface also shows the Project Explorer, Outline, and Console tabs.

Visualization of the customer feedbacks for managerial decision making is a special part of this online movie ticket booking platform. It's included in this Contact Us page. This page includes all the contact ways of our ABC Cinemas for the users.

By clicking of any Email address in the webpage will open a new window to select the user's Email application of user's device. By adding "mailto" keyword to the href tag with Email address will create that function. And clicking on any phone number will also open the calling application of user's device. To complete these functions used JS codes are added in the above screenshots.

And especially the customer feedback system consists of star rating system that is developed by CSS ( inline / external – ContactUs.css ) and JS codes. Users can rate ABC Cinemas out of 5 and leave a message according to the made form above added in the screenshots. After clicking on the Submit button will save the feedback to the database.

This page is separated into 2 parts using section tags. Because in the footer a user can click the Feedback text and user will direct to the Contact Us page and automatically scroll down to the Feedback section. For this functionality, has special JS code.

- Servlet file for getting the customer feedback process

```

eclipse-workspace - ABCCINEMA/src/main/java/ContactFormServlet/ContactFormServlet.java - Eclipse IDE
File Edit Source Refactor Navigate Project Run Window Help
Project Explorer X ABCCINEMA/pom.xml Tomcat v10.1 Server at localhost ContactFormServlet.java CompleteBookingServlet.java LoginServlet.java SignupServlet.java
ABCINEMA Deployment Descriptor: ABCINEMA JAX-WS Web Services Java Resources Referenced Libraries Deployed Resources src main webapp css images js WEB-INF AboutUs.jsp Buy.jsp Contact.jsp DealsOffers.jsp HomePage.jsp index.jsp location.jsp Login.jsp Movies.jsp Payment.jsp Seats.jsp Terms.jsp test target pom.xml Servers
1 package ContactFormServlet;
2
3 import jakarta.servlet.ServletException;
4 import jakarta.servlet.http.HttpServlet;
5 import jakarta.servlet.http.HttpServletRequest;
6 import jakarta.servlet.http.HttpServletResponse;
7
8 @WebServlet("/ContactFormServlet")
9 public class ContactFormServlet extends HttpServlet {
10     protected void doPost(HttpServletRequest request, HttpServletResponse response)
11             throws ServletException, IOException {
12         String firstName = request.getParameter("first-name");
13         String lastName = request.getParameter("last-name");
14         String email = request.getParameter("email");
15         String phone = request.getParameter("phone");
16         String feedbackType = request.getParameter("feedback-type");
17         String feedbackDetails = request.getParameter("feedback-details");
18
19         Connection connection = null;
20         PreparedStatement statement = null;
21
22         try {
23             // Database connection details
24             String dbURL = "jdbc:mysql://localhost:3306/abccinema";
25             String dbUser = "root";
26             String dbPassword = "12345678";
27
28             // Establish connection
29             Class.forName("com.mysql.cj.jdbc.Driver");
30             connection = DriverManager.getConnection(dbURL, dbUser, dbPassword);
31
32             // Insert query
33             String query = "INSERT INTO contacts (first_name, last_name, email, phone, feedback_type, feedback_details) VALUES (?, ?, ?, ?, ?, ?)";
34             statement = connection.prepareStatement(query);
35             statement.setString(1, firstName);
36             statement.setString(2, lastName);
37             statement.setString(3, email);
38             statement.setString(4, phone);
39             statement.setString(5, feedbackType);
40             statement.setString(6, feedbackDetails);
41
42             // Execute the query
43             int rowsInserted = statement.executeUpdate();
44             if (rowsInserted > 0) {
45                 // Set success message in session
46                 HttpSession session = request.getSession();
47                 response.getWriter().println("Thank you for contacting us! We will get back to you soon.");
48
49                 // Redirect to the JSP
50             }
51         } catch (SQLException e) {
52             e.printStackTrace();
53             response.getWriter().println("Database driver not found.");
54         } catch (IOException e) {
55             e.printStackTrace();
56             response.getWriter().println("Error inserting data into database.");
57         } finally {
58             // Close resources
59         }
60     }
61 }
62
63 
```

Problems Servers Terminal Data Source Explorer Properties Console

Tomcat v10.1 Server at localhost [Started, Synchronized]

Writable Smart Insert 58:16:2490

This servlet file is where the database connections are developed. After creating the table named “contacts”, when a user fill the form and Submit the entered feedback will be stored in this table which is created in the database (ABC Cinema) of mySql Workbench.

## 9. Terms & Conditions and Privacy Policies Page

**Our Terms & Conditions**

**Introduction**

ABC Cinemas Private Limited, a company driven in Sri Lanka (referred to as "ABC CINEMAS," "www.abccinemas.com," "we," "us" or "our" herein) owns and operates www.abccinemas.com. PLEASE READ THESE TERMS OF USE BEFORE USING THIS SITE. If you use this Site or click on a box stating that you are agreeing to or accept these terms, you represent that you will accept and agree to these terms of use.

You authorize us to use your email address for marketing and promotional communications, unless you agree to these terms of use, after which you are not permitted to use this Site. You acknowledge and agree that these terms of use are supported by consideration, reasonable and valuable, which the receipt and adequacy of which is hereby acknowledged.

Without limiting the generality of the foregoing, you acknowledge that consideration includes your use of this Site, receipt of data, materials and information available at or through this Site, and the possibility of our use or display of your Submissions (as defined below in Section 3, entitled 'SUBMISSIONS').

---

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You can use the Site only for your personal use. The Site shall not be used in any way that violate any law or that in any way violates us or any other person or entity, at our sole discretion. Hereinafter as the 'site' refers to this website, the terms and conditions of the use of this site include the following. When you gain access to or use this site, you agree that you will abide by these terms and conditions and by all applicable laws, rules, and regulations.

If you do not agree to and accept with these Terms of Use, please do not access and use the service offered by www.abccinemas.com. The simple act of registering with and/or the usage of the www.abccinemas.com services and products, such as www.abccinemas.com website, movie and/or DVD & CD purchasing online and other similar products and services by www.abccinemas.com constitute your consent of reading and understanding the terms and conditions to the same set below and being lawfully bound by your statement of compliance thereto. We may change these terms of use from time to time on the website and reserve the right to do so.

All responsibility for checking this page for terms & conditions rests with you.

---

**Permitted Use**

www.abccinemas.com used service is for Personal and Non Commercial use. By using or accessing www.abccinemas.com, you agree that you are not going to duplicate, download, distribute, publish, prepare any derivative work, or use any materials contained on www.abccinemas.com, on any Web site, or on any interactive computer service or in any manner whatsoever.

Additionally you also agree that you will not use the services offered by www.abccinemas.com for purposes other than subscribing to www.abccinemas.com and reviewing information contained on www.abccinemas.com; and that you will not use www.abccinemas.com for the purpose of purchasing movie tickets and/or DVDs & CDs for your personal use. The material and/or content contained in www.abccinemas.com may not be used for any purpose not expressly stated in the Terms of Use.

---

**Payment**

The banking payment gateway does not give us the authority to make any payments, so all payments are subject to the terms and conditions of each bank. Our Payment system does not store your credit or debit card details. It is the bank processing the transaction that retains the processed payment and credit card details.

We do not charge Nation Building Tax as applicable and all prices include Value Added Tax (VAT).

ABC Cinemas - Online Movie Tickets

localhost:8083/ABCCINEMA/Terms.jsp

HOME MOVIES DEALS AND OFFERS LOCATION ABOUT US BUY TICKETS

## PRIVACY POLICY

The use of www.abccinemas.com, your access to and download of materials from www.abccinemas.com, and the operation thereof is governed by the Privacy Policy. Your information is collected by www.abccinemas.com for use on www.abccinemas.com in accordance with www.abccinemas.com's Privacy Policy.

---

## User Conduct

Your use of www.abccinemas.com is governed by our Privacy Policy. You hereby agree to www.abccinemas.com's collection, use, and sharing of your information as set forth in the Privacy Policy. You agree that you will not use www.abccinemas.com to upload, post, or otherwise distribute or facilitate the distribution of any material that is:

- Defamatory, slanderous, or libelous.
- For sexually suggestive and/or explicit sexual content (including nudity), child pornography.
- Disparage or tend to offend one other individual or group on the basis of his or her religion, gender, sexual orientation, race, ethnicity, age, or disability.
- Abuses, threatens, harasses or invades the privacy of any third party.
- Is an unfair competition on the part of any third party, including without limitation, infringing any patent, trademark, trade secret, copyright, right of publicity or product name or any other proprietary rights.
- Contains, promotes, condones, links to, or is linked to by cracks, hacks or similar utilities or programs.
- Unconstitutional or unauthorized solicitation, junk or bulk email ("spam"), chain letters, any other form of unauthorized solicitation, or any form of lottery or gambling.
- It is software virus or any other computer code purposefully designed or intended for the disruption, damage or limitation of functions in hardware, software or telecommunications equipment or for the damage or the unauthorized access to information or data of any third party.
- Impersonates any person or entity, or their respective employees or representatives.
- Any applicable law or these Terms of Use forth in the www.abccinemas.com Privacy Policy.

You also agree that you will not use information obtained from www.abccinemas.com to solicit, or assist in the solicitation of, goods or services for any business purpose that is not your own.

By using www.abccinemas.com, you agree that you will not use systematic retrieval programs to retrieve data or other content from www.abccinemas.com to create or compile, directly or indirectly, a collection, compilation, database, or directory without www.abccinemas.com's prior written consent. You not to do anything that attempt in manipulating or distorting or that forbids the credibility and accuracy of any rates or views of any movie or a different entertainment system that may be showed by www.abccinemas.com.

---

## Copyrights

ABC Cinemas se respeta de la propiedad intelectual de las personas y nos piden lo mismo a nuestros usuarios. ABC Cinemas may, in its sole discretion, investigate allegedly infringing, defamatory, damaging, illegal or offensive content if notified and may edit, remove or request the removal of such content if so notified. But ABC Cinemas does not guarantee that such any of the content mentioned above will be modified or removed. In cases, ABC Cinemas may cut users' accounts, if their intellectual properties are violated.

---

## Property Rights

- Codes of the Terms & Conditions and Privacy Policies Page

eclipse-workspace : ABCCINEMA/src/main/webapp/termis.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer     ABCCINEMA/pom.xml     Tomcat v10.1 Server at localhost     ContactFormServlet.java     Termis.jsp

```
<head>
    <b style="font-family: sans-serif; color: white; margin-left: 80px;">PRIVACY POLICY</b></head>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">The use of www.abccinemas.com, your access to and download of materials from www.abccine
    <div class="container"> <br style="background-color: darkgrey;"> </div><br>
    <b style="font-family: sans-serif; color: white; margin-left: 80px;">User Conduct</b></h4>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">Your use of www.abccinemas.com is governed by our Privacy Policy. You hereby agree to wa
    <ul style="list-style-type: none; padding-left: 0; margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray; text-indent: justify;">
        <li>Defamatory, slanderous, or libelous.</li>
        <li>For sexually suggestive and/or explicit sexual content (including nudity), child pornography.</li>
        <li>Disparage or tend to offend one other individual or group on the basis of his or her religion, gender, sexual orientation, race, ethnicity, age, or disability.</li>
        <li>Comments, threats, harassment, or intimidation of the press and other participants in the public forum.</li>
        <li>It is commercial speech on behalf of third parties, including without limitation, infringing any patent, trademark, trade secret, copyright, right of publicity o
        <li>Contains, promotes, condones, links to, or is linked to by cracks, hacks or similar utilities or programs.</li>
        <li>Inconsistent or unauthorized solicitation, junk or bulk email ("spam"), chain letters, any other form of unauthorized solicitation, or any form of lottery or gambling
        <li>It is software virus or any other code purposefully designed or intended for the disruption, damage or limitation of functions in hardware, software or telec
        <li>Impersonates any person or entity, or their respective employees or representatives.</li>
        <li>Any applicable law or terms of use set forth in the www.abccinemas.com Privacy Policy.</li>
    </ul> <br>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">You also agree that you will not use information obtained from www.abccinemas.com to soli
    <div class="container"> <br style="background-color: darkgrey;"> </div><br>
    <b style="font-family: sans-serif; color: white; margin-left: 80px;">Copyrights</b></h4>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">ABC Cinemas se respeta de la propiedad intelectual de las personas y nos piden lo mismo
    <div class="container"> <br style="background-color: darkgrey;"> </div><br>
    <b style="font-family: sans-serif; color: white; margin-left: 80px;">Property Rights</b></h4>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">The rights, title and interest in and to this service and in and to ABC Cinemas (and any
    <div class="container"> <br style="background-color: darkgrey;"> </div><br>
    <b style="font-family: sans-serif; color: white; margin-left: 80px;">Termination</b></h4>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">In its sole and absolute discretion, with or without notice to you, ABC Cinemas may: <a href="#">
    <ul style="list-style-type: none; padding-left: 0; margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">
        <li>You are hereby suspended or terminated for utilizing any kind of ABC Cinemas services.</li>
        <li>Cancel your ABC Cinemas account.</li>
    </ul>
    </p> <br>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">You must notify ABC Cinemas in writing prior to the expiration date that you want to ter
    <div class="container"> <br style="background-color: darkgrey;"> </div><br>
    <b style="font-family: sans-serif; color: white; margin-left: 80px;">General</b></h4>
    <p style="margin-left: 80px; margin-right: 80px; text-align: justify; color: lightgray;">The Republic of Sri Lanka shall govern the Terms of Use and the relationship between you
    </div> <br>
    <div class="row row2">
        <div class="col-1-5"> <br>
            <h5 style="font-family: sans-serif;"> To always be informed:</h5>
            <div style="border: 1px solid black; padding: 2px; border-radius: 5px; font-family: sans-serif;">Get all our Deals and Offers.</div>
        </div>
    </div>

```

Problems     Servers     Terminal     Data Source Explore     Properties     Console X

Tomcat v10.1 Server at localhost [Apache Tomcat/10.1.22-b18] [java.exe] (16 Dec 2024, 11:38:43) [pid: 16892]

Dec 16, 2024 12:32:07 PM org.apache.catalina.core.StandardContext reload

INFO: At least one JAR was scanned for TLDs, yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve startup time.

Dec 16, 2024 12:32:07 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/ARCCINEMA] is completed

eclipse-workspace - ABCCINEMA/src/main/webapp/Terms.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer X

ABCINEMA

> Deployment Descriptor: ABCCINEMA

> JAX-WS Web Services

> Java Resources

> Referenced Libraries

> Deployed Resources

src

> main

> java

> CompleteBookingServlet

> ContactFormServlet

> User

resources

webapp

> css

AboutUs.css

bootstrap-4.4.1.css

Buy.css

Commands.css

DealsAnd.css

Location.css

Login.css

Movies.css

Payment.css

Seats.css

style.css

> images

> is

> WEB-INF

AboutUs.jsp

BuyTicket.jsp

ContactUs.jsp

DealsOffer.jsp

HomePage.jsp

index.jsp

Location.jsp

Login.jsp

Movies.jsp

Payment.jsp

Seats.jsp

Terms.jsp

pom.xml

Servers

ABCCINEMA/pom.xml Tomcat 10.1 Server at localhost ContactFormServlet.java Terms.jsp

abc

143 <h5 style="font-family: sans-serif;">New&ampnbsp<a href="#" style="font-family: Constantia, 'Lucida Bright', 'DejaVu Serif', Georgia, 'serif'; color: darkblue; font-size: 25px;">I

144 </h5>

145 </div>

146 <div class="col-xl-2-12" style="background-color: #f0f0f0; padding: 10px; border-radius: 10px; margin-bottom: 10px; border: 1px solid #ccc; position: relative; height: 150px; width: 100%;">

147 

148 

149 

150 

151 

152 

153 

154 </div>

155 <div class="col-xl-2-12" style="background-color: #f0f0f0; padding: 10px; border-radius: 10px; margin-bottom: 10px; border: 1px solid #ccc; position: relative; height: 150px; width: 100%;">

156 

157 

158 

159 

160 </div>

161 </div>

162 </div>

163 <!-- Smooth Scrolling to PRIVACY POLICY -->

164 <style>

165 html {

166 scroll-behavior: smooth;

167 }</style>

168 <script>

169 document.querySelectorAllAll("a[href^="#]").forEach(anchor => {

170 anchor.addEventListener("click", function (e) {

171 e.preventDefault();

172 document.querySelector(this.getAttribute("href")).scrollIntoView({

173 behavior: "smooth"

174});

175});

176});

177 </script>

178 </script>

179 </script>

180 </body>

181 <!-- New CSS Shading -->

182 <script>

183 window.addEventListener("scroll", function() {

184 const navbar = document.querySelector(".navbar");

185 if (window.scrollY > 50) {

186 navbar.classList.add("scrolled");

187 } else {

188 navbar.classList.remove("scrolled");

189 }});
190 </script>

191 </script>

192 </body>

193 </html>

194 </p>

195 </p>

Problems Servers Terminal Data Source Explorer Properties Console

Tomcat 10.1 Server at localhost [Apache Tomcat/10.1.0.2024-12-16-11:38:49] [pid: 16892]

Dec 16, 2024 12:32:07 PM org.apache.jasper.servlet.TldScanner scanJspSource

Info: TLD source was not found for TLDs declared in no TLDs. Please debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve performance.

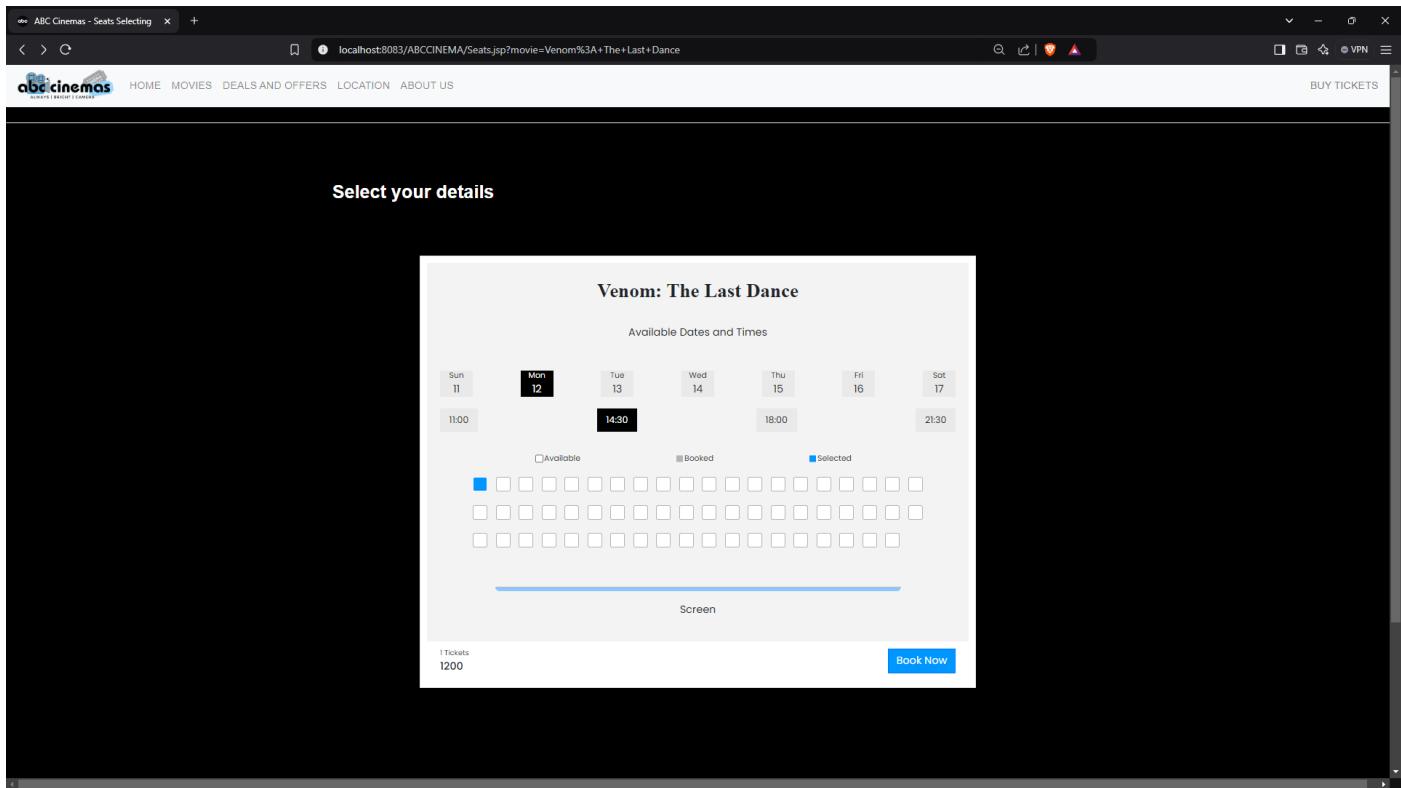
Dec 16, 2024 12:32:07 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/ABCCINEMA] is completed

This page includes the Terms & Conditions and Privacy Policies of this website. These paragraphs separated via p tags and hr tags to develop this page in a clear manner.

And using CSS codes ( inline / inline ) this page styled as the theme of whole website. Using section tags this webpage separated to a 2 parts that is Terms & Conditions and Privacy Policies. When a user clicks on a any linked text Terms & Conditions or Privacy Policies user will direct to the separated section. For an example if the user clicks on the Privacy Policies user will direct to this page and automatically scroll down to the Privacy Policies section.

## **10. Seats Selecting Page**



- Codes of the Seats Selecting Page

The screenshot shows the Eclipse IDE interface with the title bar "eclipse-workspace : ABCCINEMA/src/main/webapp/Seats.jsp - Eclipse IDE". The left side features the "Project Explorer" view displaying the project structure under "src/main/webapp". The central area is the "Code Editor" showing the JSP file "Seats.jsp" with embedded CSS and Java code. The right side has an "Outline" view showing the hierarchical structure of the code. At the bottom, there are tabs for "Problems", "Servers", "Terminal", "Data Source Explorer", "Properties", and "Console". The "Console" tab shows log messages related to the Tomcat server and Java environment.

eclipse-workspace - ABCCINEMA/src/main/webapp/Seats.jsp - Eclipse IDE

```

<label>
    <input type="radio" id="d5" name="date" />
    <label class="dates-item" for="d5">
        <div class="date">Thu</div>
        <div class="date">Fri</div>
        <div class="date">Sat</div>
        <div class="date">Sun</div>
    </label>
</label>
<input type="radio" id="d6" name="date" />
<label for="d6" class="dates-item">
    <div class="date">Fri</div>
    <div class="date">Sat</div>
    <div class="date">Sun</div>
</label>
<div class="times">
    <input type="radio" name="time" id="t1" checked />
    <label for="t1" class="time">11:00</label>
    <input type="radio" id="t2" name="time" />
    <label for="t2" class="time">14:30</label>
    <input type="radio" id="t3" name="time" />
    <label for="t3" class="time">18:00</label>
    <input type="radio" id="t4" name="time" />
    <label for="t4" class="time">21:30</label>
</div>
</div>
<div class="seats">
    <div class="status">
        <div class="item">Available</div>
        <div class="item">Booked</div>
        <div class="item">Selected</div>
    </div>
    <div class="seat">
        <input type="checkbox" name="tickets" id="s1" />
        <label for="s1" class="seat booked"></label>
    </div>
</div>
<p style="text-align: center;">Screen</p>
</div>
<div class="price">
    <div class="total">
        <span>0</span> Tickets</span>
        <div class="amount">0</div>
    </div>
    <a href="Payment.jsp" class="btn btn-primary" type="button" id="seat">Book Now</a>
</div>

```

html/body/#text

Tomcat v10.1 Server at localhost [Apache Tomcat/10.1.18] [Program Files\Java\jdk-22-bin\javaw.exe] (16 Dec 2024, 11:38:43) [pid: 16992]

Dec 16, 2024 1:06:43 PM org.apache.jasper.servlet.TldScanner scanJars

INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve startup time.

Dec 16, 2024 1:06:43 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/ABCCINEMA] is completed

eclipse-workspace - ABCCINEMA/src/main/webapp/Seats.jsp - Eclipse IDE

```

<!-- Seats Booking System -->
<script>
    // Data structure to store booked seats for each date and time
    const bookedSeatsData = [
        d1: { t1: [1, 5, 12], t2: [3, 7, 15], t3: [2, 6, 10], t4: [4, 8, 14] },
        d2: { t1: [11, 14, 18], t2: [20, 25, 30], t3: [1, 9, 16], t4: [2, 8, 13] },
        d3: { t1: [7, 13, 19], t2: [5, 12, 18], t3: [8, 15, 22], t4: [3, 11, 17] }
    ];
    // Add data for other dates (d4, d5, etc.) and times (t5, t6, t7, t8)

    // Function to render seats
    function renderSeats(dateId, timeId) {
        const seats = document.querySelector('.all-seats');
        seats.innerHTML = ""; // Clear existing seats
        const bookedSeats = bookedSeatsData[dateId][timeId] || [];
        // Get booked seats for selected date and time

        for (let i = 2; i < 60; i++) {
            const isBooked = bookedSeats.includes(i);
            seats.insertAdjacentHTML(
                'beforeend',
                `<input type="checkbox" name="tickets" id="s${i}" ${isBooked ? "disabled" : ""}>
                <label for="s${i}" class="seat ${isBooked ? "booked" : ""}></label>`);
        }
    }

    // Add event listeners for available seats
    const ticket = seats.querySelector('input:disabled');
    tickets.forEach(ticket => {
        ticket.addEventListener('change', () => {
            let count = document.querySelector('.count').innerHTML;
            let amount = document.querySelector('.amount').innerHTML;
            amount = Number(amount);
            count = Number(count);

            if (ticket.checked) {
                count += 1;
                amount += 1200.00;
            } else {
                count -= 1;
                amount -= 1200.00;
            }

            document.querySelector('.amount').innerHTML = amount;
            document.querySelector('.count').innerHTML = count;
        });
    });

    // Event listeners for date and time changes
    const dateInputs = document.querySelectorAll('.dates input');
    const timeInputs = document.querySelectorAll('.times input');

    dateInputs.forEach(dateInput => {
        dateInput.addEventListener('change', () => {
            renderSeats(dateInput.value, timeInputs[0].value);
        });
    });

    timeInputs.forEach(timeInput => {
        timeInput.addEventListener('change', () => {
            renderSeats(dateInputs[0].value, timeInput.value);
        });
    });

```

html/body/#text

Tomcat v10.1 Server at localhost [Apache Tomcat/10.1.18] [Program Files\Java\jdk-22-bin\javaw.exe] (16 Dec 2024, 11:38:43) [pid: 16992]

Dec 16, 2024 1:06:43 PM org.apache.jasper.servlet.TldScanner scanJars

INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve startup time.

Dec 16, 2024 1:06:43 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/ABCCINEMA] is completed

eclipse-workspace - ABCCINEMA/src/main/webapp/Seats.jsp - Eclipse IDE

```

211 // event listeners for date and time changes
212 const dateInputs = document.querySelectorAll('.dates input');
213 const timeInputs = document.querySelectorAll('.times input');
214
215 dateInputs.forEach(dateInput => {
216   dateInput.addEventListener('change', () => {
217     const selectedDate = document.querySelector('.dates input:checked').id;
218     const selectedTime = document.querySelector('.times input:checked').id;
219     renderSeats(selectedDate, selectedTime);
220   });
221 });
222
223 timeInputs.forEach((timeInput) => {
224   timeInput.addEventListener('change', () => {
225     const selectedDate = document.querySelector('.dates input:checked').id;
226     const selectedTime = document.querySelector('.times input:checked').id;
227     renderSeats(selectedDate, selectedTime);
228   });
229 });
230
231 // Initial render (default selection)
232 renderSeats('d1', 't1');
233
234 // Function to retrieve query parameters
235 function getQueryParam(param) {
236   const urlParams = new URLSearchParams(window.location.search);
237   return urlParams.get(param);
238 }
239
240 // Get the movie name from the URL and display it
241 const movieName = getQueryParam('movie');
242 if (movieName) {
243   const titleElement = document.querySelector('.title');
244   titleElement.textContent = movieName;
245 }
246
247 document.getElementById('seat').addEventListener('click', function() {
248   const selectedDate = document.querySelector('.dates input:checked').id;
249   const selectedTime = document.querySelector('.times input:checked').id;
250   const seatCount = document.querySelector('.count').innerText; // Seat count
251   const totalPrice = document.querySelector('.amount').innerText; // Total price
252
253   // Check if any seats have been selected
254   const selectedSeats = document.querySelectorAll('.all-seats input:checked');
255   if (selectedSeats.length === 0) {
256     // If no seats are selected, show an alert
257     alert("Please select at least one seat to proceed.");
258     return; // Exit the function
259   }
260   // Redirect to Payment.jsp
261 });
262
263 </script>

```

html/body/#text

Problems Servers Terminal Data Source Explorer Properties Console

Tomcat v10.1 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-22\bin\javaw.exe (16 Dec 2024, 11:38:43) [pid: 16992]

Dec 16, 2024 1:06:43 PM org.apache.jasper.servlet.TldScanner scanJars

INFO: At least one JAR was scanned for TLDs yet contained no TLDs. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve startup time.

Dec 16, 2024 1:06:43 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/ABCCINEMA] is completed

eclipse-workspace - ABCCINEMA/src/main/webapp/css/Seats.css - Eclipse IDE

```

1 @charset "utf-8";
2 .center {
3   width: 100%;
4   height: 100px;
5   background: #fff;
6   align-items: center;
7   justify-content: center;
8   background: linear-gradient(
9     to right,
10    #007bff,
11    #0056b3
12  );
13 }
14
15 .ticket {
16   width: 850px; /*750px*/
17   height: fit-content;
18   border: 0.5em solid #rgba(0, 0, 0, 0.05);
19   border-radius: 10px;
20   box-sizing: border-box;
21   padding: 10px;
22   font-family: poppins;
23   max-height: 130px;
24   overflow-y: scroll;
25   background-color: #fff;
26   box-shadow: 0px 25px 50px -12px #rgba(0, 0, 0, 0.25);
27 }
28
29 .ticket-selector {
30   background-color: #rgb(243, 243, 243);
31   display: flex;
32   align-items: center;
33   justify-content: space-between;
34   flex-direction: column;
35   box-sizing: border-box;
36   padding: 20px;
37 }
38 .head {
39   width: 100px;
40   display: flex;
41   align-items: center;
42   justify-content: center;
43   margin-bottom: 30px;
44 }
45 .title {
46   font-size: 10px;
47   font-weight: 600;
48 }
49
50 .seats {
51   width: 100px;
52   display: flex;
53   align-items: center;
54   justify-content: center;

```

html/body/#text

Problems Servers Terminal Data Source Explorer Properties Console

Tomcat v10.1 Server at localhost [Apache Tomcat] C:\Program Files\Java\jdk-22\bin\javaw.exe (16 Dec 2024, 11:38:43) [pid: 16992]

Dec 16, 2024 1:06:43 PM org.apache.jasper.servlet.TldScanner scanJars

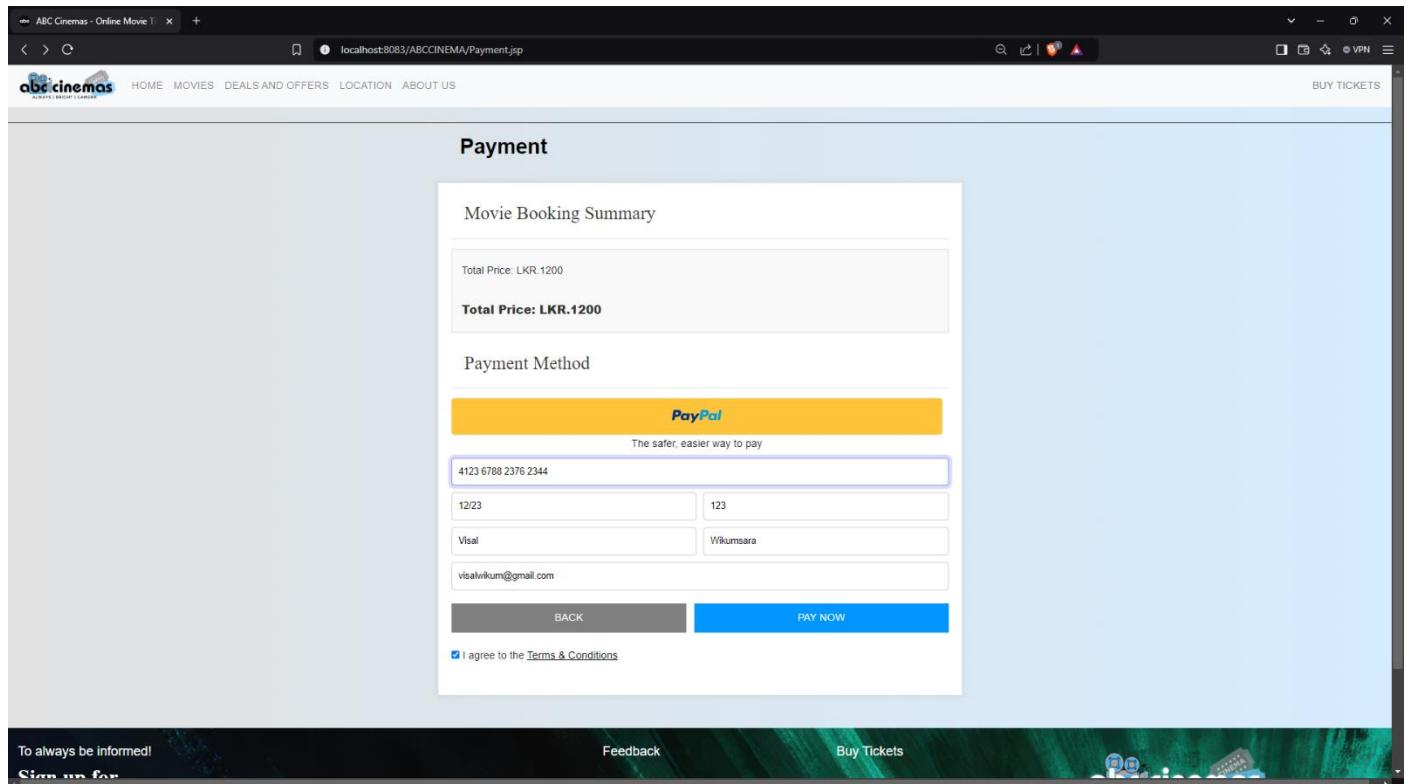
Dec 16, 2024 1:06:43 PM org.apache.catalina.core.StandardContext reload

INFO: Reloading Context with name [/ABCCINEMA] is completed

This is the Seats Selecting Page of our website. When a user selects a movie it will direct the user to this page. User needs to selects a Date, Time and a Seat before complete the payment. These seat slots are designed with CSS codes ( inline / external – Seats.css ) and the Available, Booked and Selected slots are designed with JS functions.

By these JS codes, if a user will selects a seat(s) and then clicks on the Book button it will direct the user to the payment page with the selected seats. Also if one seat's price is Rs 1200 it will automatically increment and decrement via these mentioned JS codes. In the Payment page Total payment will be automatically calculated and displaying via these JS codes.

## 11. Payment Page



- Codes for the Payment Page

eclipse-workspace - ABCCINEMA/src/main/webapp/Payment.jsp - Eclipse IDE

File Edit Source Refactor Navigate Search Project Run Window Help

Project Explorer     ABCCINEMA/pom.xml     Tomcat v10.1 Server at localhost     ContactFormServlet.java     Payment.jsp     Payment.css

ABCINEMA

- Deployment Descriptor ABCCINEMA

- JAX-WS Web Services

- Java Resources

- Referenced Libraries

- Deployed Resources

src

- main

- java

- CompleteBookingServlet

- ContactFormServlet

- User

- resources

- webapp

- CSS

- AboutUs.css

- bootstrap-4.1.css

- Buy.css

- ContactUs.css

- DealandOffer.css

- Location.css

- Login.css

- Movies.css

- Payment.css

- Seats.css

- style.css

- images

- WEB-INF

- AboutUs.jsp

- Buy.jsp

- ContactUs.jsp

- DealandOffer.jsp

- HomePage.jsp

- index.jsp

- Location.jsp

- Login.jsp

- Movies.jsp

- Payment.jsp

- Seats.jsp

- Terms.jsp

test

target

pom.xml

Servers

ABCINEMA/pom.xml

Tomcat v10.1 Server at localhost [Apache Tomcat/9.0.52] [Java/jdk11.0.16-b12]

Dec 16, 2024 1:06:43 PM org.apache.jasper.servlet.TldScanner scanJars

JARs in the TLD path were scanned for JSPs. No TLDs were found in them. Enable debug logging for this logger for a complete list of JARs that were scanned but no TLDs were found in them. Skipping unneeded JARs during scanning can improve startup time.

Dec 16, 2024 1:06:43 PM org.apache.jasper.servlet.TldScanner contextReloade

INFO: Reloading Context with name [/ABCCINEMA] is completed

Outline

Annotations page languages:java DOCTVEnhanced

html lang:en

Payment.jsp

```
<hr>
    <br><br>
    <div style="text-align: center; font-family: sans-serif; color: black; margin-right: 600px;">
        <h2>Movie Booking Summary</h2>
        <div class="receipt">
            <p id="price">Total Price: LKR.1200</p>
            <p class="total" id="total_price">Total Price: LKR.1200</p>
        </div>
    </div>
    <div class="section">
        <h3>Payment Methods</h3>
        <div class="payment-methods">
            <!-- PayPal Button -->
            <div id="paypal-button-container" style="text-align: center; margin-top: 20px;">
                <form class="card-form">
                    <input type="text" placeholder="Card Number" required id="ccn" style="width: 100%; height: 30px; border: 1px solid #ccc; border-radius: 5px; padding: 5px; margin-bottom: 5px;" />
                    <input type="text" placeholder="Expiration Date" required id="exp" style="width: 100%; height: 30px; border: 1px solid #ccc; border-radius: 5px; padding: 5px; margin-bottom: 5px;" />
                    <input type="text" placeholder="First Name" required id="name" style="width: 100%; height: 30px; border: 1px solid #ccc; border-radius: 5px; padding: 5px; margin-bottom: 5px;" />
                    <input type="text" placeholder="Last Name" required id="lname" style="width: 100%; height: 30px; border: 1px solid #ccc; border-radius: 5px; padding: 5px; margin-bottom: 5px;" />
                    <input type="text" placeholder="Email" required id="email" style="width: 100%; height: 30px; border: 1px solid #ccc; border-radius: 5px; padding: 5px; margin-bottom: 5px;" />
                </form>
            </div>
        </div>
        <div class="buttons">
            <a href="#" id="back" class="back-btn" style="border: 1px solid #ccc; border-radius: 5px; padding: 5px; margin-right: 10px;">BACKSUBSCRIBE
    </div>
    <p style="font-family: sans-serif; font-size: 12px; font-weight: bold; color: black; font-style: italic; font-variant: small-caps; letter-spacing: 1px; font-family: 'cooper-black-std';">©2024 ABC Cinemas. All Rights Reserved. <br/> Developed by Group - i</p>
</div>
```

The screenshot shows the Eclipse IDE interface with the ABCCINEMA project open. The Project Explorer view on the left lists various Java files and resources. The Payment.jsp file is currently selected and displayed in the main editor area. The code in Payment.jsp includes JSP tags, Java scriptlets, and inline JavaScript. It handles PayPal configuration, button rendering, and receipt display logic. The bottom of the screen shows the Eclipse interface with tabs like Problems, Servers, Data Source Explorer, Properties, and Console, along with a terminal window showing Tomcat logs.

```

<!-- PayPal Sandbox Configuration Load -->
<!-- Include the PayPal JavaScript SDK -->
<script src="https://www.paypal.com/sdk/js?client-id=AS8svryxGm8idNhp-2HZJchDjvTfEfQ86u7yLjEsfrCsId-6p8iHe61dv7UrQ_x0dbcaZ-j_0kBo&currency=USD"></script>
<!-- This is ABCinemas account under ABCcinemas Account -->
<!-- Email : Cinemas@abc.in / Password : Abc@123456 -->
<!-- Email : Cinemas@abc.in / Password : Abc@123456 -->

<script>
    // Render the PayPal button into #paypal-button-container
    paypal.Buttons({
        style: {
            layout: 'horizontal'
        },
        createOrder: function(data, actions) {
            return actions.order.create({
                purchase_units: [
                    {
                        amount: {
                            value: '36' // Total price dynamically passed
                        }
                    }
                ]
            });
        },
        onApprove: function(data, actions) {
            return actions.order.capture().then(function(details) {
                alert('Transaction completed by ' + details.payer.name.given_name + '!');
            });
        }
    }).render('#paypal-button-container');
</script>

<!-- JS to transferred Movie, Seats details from Seats Page -->
<script>
    function getQueryParam(param) {
        const urlParams = new URLSearchParams(window.location.search);
        return urlParams.get(param);
    }

    // Get data from the URL query parameters
    const movieName = getQueryParam('movie');
    const seatCount = getQueryParam('seats');
    const totalPrice = getQueryParam('totalPrice');

    // Display the data in the receipt section
    if (movieName) {
        document.getElementById('movie_name').textContent = 'Movie Name: ${movieName}';
    }

    if (seatCount) {
        document.getElementById('seats').textContent = 'Seats: ${seatCount}';
    }
</script>

```

This Payment Page is consist of multiple online payment methods like Credit, Debit card payment and especially PayPal payments. Using CSS ( inline / external – payment.css ) and JS codes this payment page is well maintained for the best user experience when a user doing the payment process.

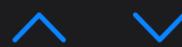
After a user agrees to our terms then user can select any of these payment methods and complete the payment. Under this section tag user's selected movie will automatically display with it's ticket details like a receipt. It's developed by these JS and CSS codes added above.

After all of that user will receive an Email of completion receipt to user's entered Email address on the above payment form.

02:10

4G 42+

< All Inboxes



dinoth08@gmail.com

Yesterday

To: dulaj.dulsith@gmail.com >

## Booking Confirmation

Dear Customer,

Thank you for your booking.

Best regards,  
ABC Cinema



New Message

- Servlet file of the Payment process

The screenshot shows the Eclipse IDE interface with the following details:

- Project Explorer** (left): Shows the project structure for "ABCCINEMA". It includes a deployment descriptor (pom.xml), Java files (ContactFormServlet.java, CompleteBookingServlet.java, LoginServlet.java, SignupServlet.java), and resources (css, images, js).
- Code Editor** (center): Displays the source code for `CompleteBookingServlet.java`. The code handles a POST request to process a booking. It validates user input, retrieves booking details, sends a confirmation email, and creates a message with a thank you note.
- Outline** (right): Shows the class hierarchy and methods for `CompleteBookingServlet`.

```
ABCINEMA/pom.xml Tomcat v10.1 Server at localhost ContactFormServlet.java CompleteBookingServlet.java LoginServlet.java SignupServlet.java

1 package CompleteBookingServlet;
2
3 import jakarta.servlet.*;
4
5 @WebServlet("/completeBooking")
6 public class CompleteBookingServlet extends HttpServlet {
7     ...
8     protected void doPost(HttpServletRequest request, HttpServletResponse response) throws ServletException, IOException {
9         ...
10        String userEmail = request.getParameter("email");
11
12        // Validate inputs
13        if (userEmail == null) {
14            response.getWriter().println("Invalid booking details.");
15            return;
16        }
17
18        // Send confirmation email
19        boolean emailSent = sendConfirmationEmail(userEmail);
20
21        if (emailSent) {
22            response.getWriter().println("Booking completed and confirmation email sent successfully.");
23        } else {
24            response.getWriter().println("Booking completed but failed to send confirmation email.");
25        }
26    }
27
28    private boolean sendConfirmationEmail(String userEmail) {
29        String host = "smtp.gmail.com"; // Replace with your SMTP host
30        String port = "587"; // Replace with your SMTP port
31        String fromEmail = "dinhtho@gmail.com"; // Replace with your email address
32        String password = "zpzb thom tuyt oyey"; // Replace with your email password
33
34        // SMTP server properties
35        Properties properties = new Properties();
36        properties.put("mail.smtp.host", host);
37        properties.put("mail.smtp.port", port);
38        properties.put("mail.smtp.auth", "true");
39        properties.put("mail.smtp.starttls.enable", "true");
40
41        // Create session
42        Session session = Session.getInstance(properties, new Authenticator() {
43            ...
44            @Override
45            protected PasswordAuthentication getPasswordAuthentication() {
46                return new PasswordAuthentication(fromEmail, password);
47            }
48        });
49
50        try {
51            // Create the email message
52            Message message = new MimeMessage(session);
53            message.setFrom(new InternetAddress(fromEmail));
54            message.setRecipients(Message.RecipientType.TO, InternetAddress.parse(userEmail));
55            message.setSubject("Booking Confirmation");
56            message.setText("Thank you for your booking.\n");
57        } catch (Exception e) {
58            e.printStackTrace();
59        }
60    }
61
62    ...
63}
```

This is the file that the back end part of Email generating system after a user paid the payment. Admin has to active Two-factor authentication of admin's valid Email address. Then admin has to get a App password for admin's Email address.

Then the admin can add the Email address and that code got from the App password section. This Emails are generating via the SMTP server properties. If the payment was successful site will display a successful message, and then the user will receive the payment confirmation Email notification. With the exceptions try and catch if there is an error, the error message will be displayed.

## 12. PayPal Payment Method

The screenshot shows a web browser window for 'ABC Cinemas - Online Movie Tickets Booking'. The URL in the address bar is 'Cinemas/web/payment.html?movie=The%20Wild%20Robot&seats=6&totalPrice=7200'. The page displays a 'Movie Booking Summary' for 'The Wild Robot' with 6 seats at a total price of LKR.7200. Below this, a 'Payment Method' section features the 'PayPal' logo. A message reads: 'Don't see the secure paypal browser? We'll help you re-launch the window to complete your purchase.' Below the message are fields for Card Number, Click to Continue, Expiration (MM/YY), CVV, First Name, Last Name, and Email. At the bottom are 'BACK' and 'PAY NOW' buttons, and a checkbox for 'I agree to the Terms & Conditions'.

The screenshot shows a web browser window for 'sandbox.paypal.com'. The URL in the address bar is 'sandbox.paypal.com'. The page displays the PayPal logo and the text 'Pay with PayPal'. It asks to 'Enter your email address to get started.' There is a text input field for 'Email or mobile number', a 'Forgot email?' link, and a large blue 'Next' button. Below the input field is a horizontal line with the word 'or'. Underneath the line is a button labeled 'Pay with a Bank Account or Credit Card'. At the bottom right is a link 'Log in to your PayPal account'.

The screenshot shows the 'Pay with PayPal' page. The title 'Pay with PayPal' is at the top, followed by the instruction 'Enter your email address to get started.'. Below is a text input field for 'Email or mobile number'. A blue 'Next' button is centered below the input field. A horizontal line with the word 'or' is positioned between the 'Next' button and another button labeled 'Pay with a Bank Account or Credit Card'. At the bottom right is a language selection 'Bengali | English'.

Contact Us Privacy Legal Policy Updates Worldwide

JD \$36.00

Ship to John Doe  
1 Main St, San Jose, CA 95131 [Change](#)

Pay with [Split](#)

**PayPal balance** \$36.00  
 Make this my preferred way to pay

**CREDIT UNION 1 (AK)**  
Checking \*\*\*\*6707

**Visa**  
Credit \*\*\*\*1156

**PayPal Credit**  
Apply for PayPal Credit Pay over time for your purchase of \$36.00 with PayPal Credit. Subject to credit approval. [See terms](#)

[+ Add debit or credit card](#)

**Pay Later**

**Pay in 4**  
4 payments of \$9.00 due every 2 weeks, starting today. [Learn more](#)

**Complete Purchase**

[Payment method rights](#)

JD \$36.00

PayPal balance

Make this my preferred way to pay

CREDIT UNION 1 (AK)  
Checking \*\*\*\*6707

Visa  
Credit \*\*\*\*1156

PayPal Credit  
Apply for PayPal Credit Pay over time for your purchase of \$36.00 with PayPal Credit. Subject to credit approval. [See terms](#)

[+ Add debit or credit card](#)

**Pay Later** Thanks for using PayPal

**Pay in 4**  
4 payments of \$9.00 due every 2 weeks, starting today. [Learn more](#)

**Pay Monthly**  
Pay later for eligible purchases of \$36.00 and above up to \$100. Interest-free for this transaction.

**Complete Purchase**

[Payment method rights](#)

[View my recent transactions](#)

After clicking on the PayPal payment button, user can login with user's PayPal account. Then automatically PayPal payment receipt will generate. User needs to clicks on the Complete Purchase button and then the Payment Complete message will be displayed.

Then checking on the PayPal sandbox account of the ABC Cinemas, the payment came receipt will be displayed in the all transactions page. Also the payment completion receipt will be show on the user's PayPal account.

The screenshot shows the PayPal Sandbox Transactions page. At the top, there are three tabs: "ABC Cinemas - Terms | Conditions" (active), "Sandbox accounts - PayPal Dev", and "Transactions - PayPal". The URL in the address bar is "sandbox.paypal.com/unifiedtransactions/?filter=0&query=". Below the tabs, the page header includes "Test Store", "Developer Help", and "ABC". A navigation menu with links like Home, Activity, Sales, Finance, Operations, Pay & Get Paid, Marketing For Growth, Financing, and Business Tools is visible. The main content area is titled "Transactions". It features a search bar with dropdown filters for "All" and "Search" (with a magnifying glass icon). To the right of the search bar are "Filter" and "Download" buttons. A table lists three transactions:

<input type="checkbox"/>	Date	Description	Name	Status	Gross	Fee	Net	Actions
<input type="checkbox"/>	12/13/24, 6:00 AM	Payment from	John Doe	Completed	\$36.00 USD	\$1.75 USD	\$34.25 USD	<span>⋮</span>
<input type="checkbox"/>	12/7/24, 11:32 AM	Payment from	John Doe	Completed	\$36.00 USD	\$1.75 USD	\$34.25 USD	<span>⋮</span>
<input type="checkbox"/>	12/3/24, 5:37 PM	Transfer from	PayPal	Completed	\$5,000.00 USD	\$0.00 USD	\$5,000.00 USD	<span>⋮</span>

At the bottom of the table, there are links for Help, Contact, Fees, and Security. On the far right, there is a small AI icon.

These are the tested transactions of our PayPal Sandbox account. If user checks the user's PayPal transaction history user can see the Payment done notification.

## **h) References**

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