



IE4717 Web Application Design - Project Report

Mini Project

Project Title: EL Cinema and Movie Booking Web Application

Design project group number: F38-DG01

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School of Electrical and Electronic Engineering

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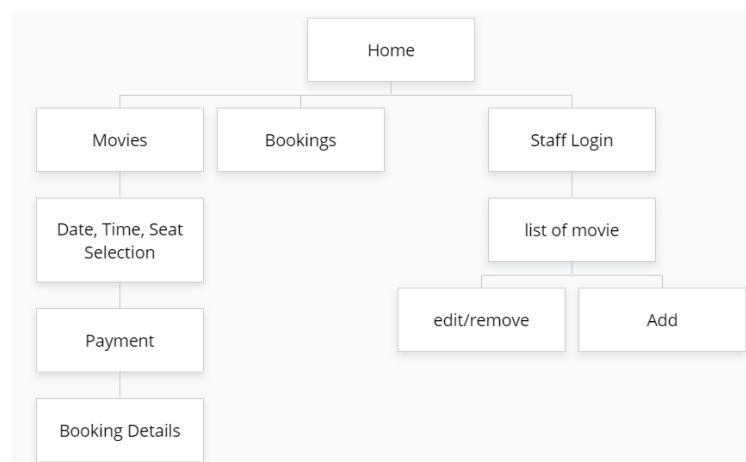
Semester 1

Summary of Project:

This project is a movie booking website called EL cinema that enables users to view, book, and confirm the movies that are currently available. The user may book their preferred movie and select the date and time that fits their schedule. After each successful booking, a booking number will be supplied and users will be able to view their booking using the number. In addition to the user interface, staff from the cinema can add, edit, or remove any movies, dates or times depending on the circumstances.

- Application Requirements and Specifications
 - The user will be able to view movies that are currently available.
 - Users can make bookings by choosing a specific movie, date, time, and seat in accordance with their needs.
 - Users can view the booking summary using the number provided after every successful booking.
 - Staff will be required to login to add, remove and edit any movies, dates, and times.
- Functional Requirements and Specifications
 - A page where customers can view the movies available in a grid display with the name of the movie, if required customers can select the movie and will be guided to a page to select the date and time in a dropdown format available.
 - After the selection of movie, time, date, and seats, a page with a form will be shown to allow users to key in the information required. Information such as name, phone, credit card details, and expiration date.
 - A page will be provided for those customers with bookings to view the details of what they have booked. The display will be in table form.
 - Staff can log in, and will be led to the page to select a movie to edit in form format. Staff can also add new movies.
- Design of the web application

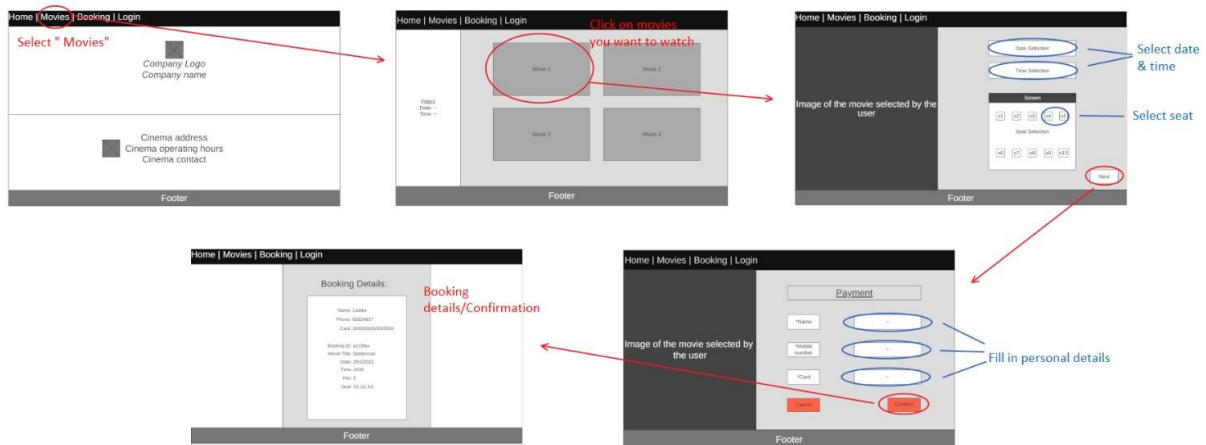
Site Map



Story Board

- “How to book a movie”

How to book a movie

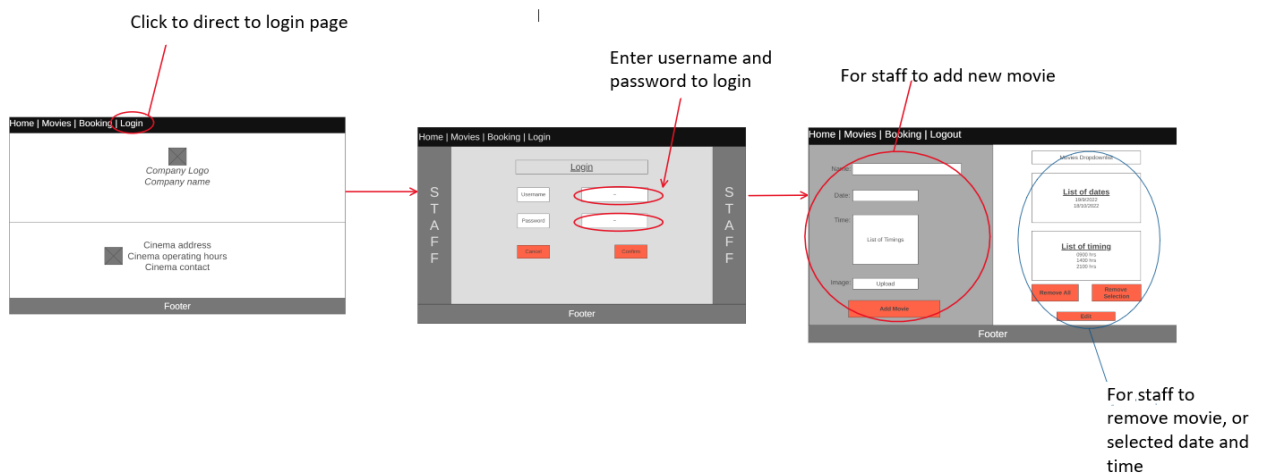


- “How to check booking statement”

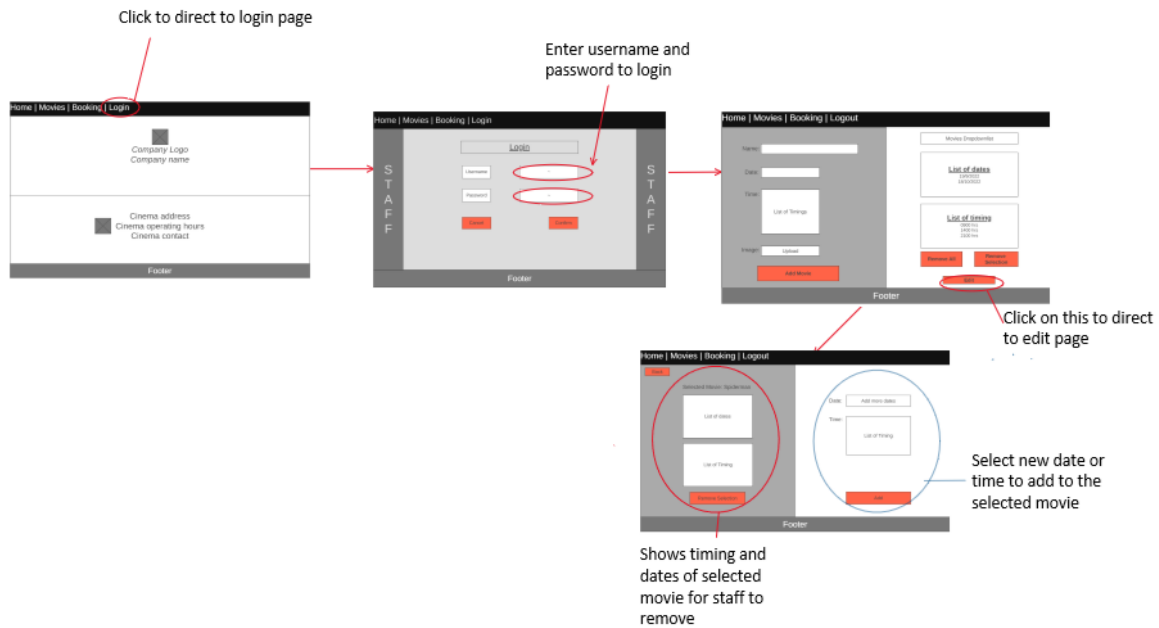
How to check booking statement





- “How to add or remove movie”



- How to edit movie



Wireframe home.html

Home Movies Booking Login	
 Company Logo Company name	
 Cinema address Cinema operating hours Cinema contact	
Footer	

movie.html

Home | Movies | Booking | Login

Filters
Date: ~
Time: ~

Movie 1

Movie 2

Movie 3

Movie 4

Footer

selection.html

Home | Movies | Booking | Login

Image of the movie selected by the user

Date Selection

Time Selection

Screen

s1s2s3s4s5

Seat Selection

s6s7s8s9s10

Next

Footer

payment.html

Home | Movies | Booking | Login

Image of the movie selected by the user

Payment

*Name

~

*Mobile number

~

*Card

~

Cancel

Confirm

Footer

details.html

Home | Movies | Booking | Login

Booking Details:

Name: Laddie
Phone: 82824837
Card: 5555555555555555

Booking ID: a123fas
Movie Title: Spiderman
Date: 29/2/2022
Time: 1430
Pax: 3
Seat: S1,S2,S3

Footer

booking.html

Home | Movies | Booking | Login

Booking ID:

Name: Laddie
Phone: 82824837
Card: 5555555555555555

Booking ID: a123fas
Movie Title: Spiderman
Date: 29/2/2022
Time: 1430
Pax: 3
Seat: S1,S2,S3

Footer

staff.html

Home | Movies | Booking | Login

S
T
A
F
F

Login

Username

~

Password

~

Cancel

Confirm

S
T
A
F
F

Footer

movie_edit.html

Home | Movies | Booking | Logout

Name:

Date:

Time:

List of Timings

Image:

Add Movie

Movies Dropdownlist

List of dates

19/9/2022
18/10/2022

List of timing

0900 hrs
1400 hrs
2100 hrs

Remove All

Remove Selection

Edit

Footer

edit.html

Home | Movies | Booking | Logout

Back

Selected Movie: Spiderman

List of dates

List of Timing

Remove Selection

Date:

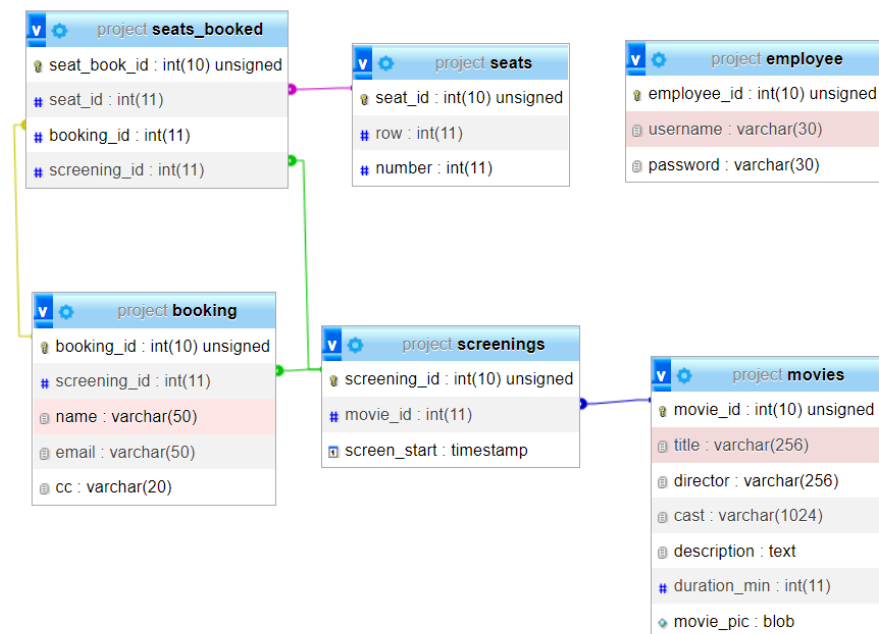
Time:

List of Timing

Add

Footer

Database



Movies table

Store information about the movie with movie_id as the primary key with other columns like title, director, cast, description, duration_min, and movie_pic. Duration_min column is to store the duration of the movie while the movie_pic is to store the image in blob format. The movie_id is a foreign key in the screenings table.

Screenings table

To store the screening information such as the movie that will be screened and the time of screening.

Booking table

After each successful booking, the information of the customer will be stored here with screening_id as the foreign key to allow us to know which screening the customer booked. Other information like name, email, and credit card information is stored here.

Seats table

To store the number of seats in the movie theatre and will be used as a foreign key in the seat_booked table.

Seats booked table

This table allows us to check which seat is booked for a certain screening so as to design the seat selection page for the users. This table has 3 foreign keys that are booking id, screening id, and seat id for us to keep track of the seats that have been booked for a certain screening.

Employee table

Store information of the employee to allow them to log in for tasks like adding, editing and, deleting movies.

Web application testing plan

Users:

Movie page: If there is no movie at the moment, the page will show a title saying 'No movie available now'. Else, a list of movies from the database will be shown to the user in table form.

Individual movie page: The available screening time for the movie will be shown on a drop-down list and if there is no screening time for the movie, the drop-down list will be hidden from the user and a text saying "Coming soon" will be shown.

Seat selection page: Booked seats must be blocked off to prevent rebooking from other users. If no seat is selected, an alert will be prompted on the screen to the user to choose a seat.

Details page: Show the seats that the user chose. Email, name, and credit card validation are required to ensure details are entered correctly. If the user submits without details, an alert will be shown to the user.

booking page: User can check their own purchase details such as the number of tickets brought, seat number, and movie title..

Staff:

login page: Validation of username and password entered. Details entered must match the details in the database.

editMovie page: The staff will be able to add or remove movies (Including adding movies to screening). Staff will not be able to enter movies with the same names. On the screening page, staff cannot add a movie with a similar time and date and can only add dates after today.

Implementation

- Coding of the web page template

For coding of the template, refer to appendix: index.html. We used a universal navigation bar and footer throughout of pages. style.css is a universal styling for all pages. Addition styling is done with the page.

- Coding of the pages & their function

index.html

- Consists of the home page with details like cinema location, It also consists of buttons to guide users to the movies page and booking search page.

movies.php

- This page shows all the movies that are stored in the database. Information like title, duration of the movie, and image of the movie.
- Users can click on the title or image and be redirected to the movieInfo.php to gain more information like screening time, directors, cast, and description of the movie.
- The page queries the database using select and using a for loop, printing the movies on a table.

movieInfo.php

- After selecting the movie, users will be directed to this page which shows more information about the movie. Information like screening time, description, director, and casts.
- The screening time will be shown in a drop-down box and upon selection, the user will be directed to the seat selection PHP. Screening times that are before today's date will be removed from the drop-down box. Movie and screening time will be stored in a session for subsequent use.

seatselection.php

- This page allows users to select the seats for the movie and the screening time selected in the previous PHP pages. If no seat is selected, an alert will appear to tell the user to select a seat.
- Seats that are booked will be blocked out. Selected seats will be stored in a session for subsequent use.
- Using the seat booked table in the database, The rows are queried using the select and with the screening id that was selected by the user. This query allows us to determine the seat that is booked so it will be blocked out.

movieSelected.php

- This page prompts the user to enter their name, email, and credit card number.
- Upon entering the information, validation will be done by using regular expressions. If the input does not match the pattern, the outline of the textbox will be in red.
- Only when the pattern matches, the user can submit the form. Else, an alert will prompt the user. Once the user submits, the information will be stored in the database under the booking table.

processPayment.php

- Shows the information about the movie, seats, email, screening time, and date and name of the customer. Additionally, an email with the booking details will be sent to f32ee@localhost.
- All sessions will get unset and destroyed on this page.

booking.php

- A simple form for users to input their email into a search bar. The email entered will be used. The email entered will be used to query the database.
- If the email doesn't match any rows the user will be prompted. An alert message shows the following text "No email found!". Else, users with the booking will be directed to register.php.

receipt.php

- initiated by booking.php to search the database for relevant data of the email.
- A drop-down 'select' input is used to display all booking id of the email. The user will then select which id they wish to check.
- The data is stored in an array and uses the index to display the correct information for the booking id. Refer to appendix: receipt.php.

login.html

- A simple login page for the employees only and consists of a form using the post as the method and action will be loginValidation.php. Any empty textbox in the form upon pressing submit, an alert will prompt the user to enter the details.
- Validation is written in javascript.

loginValidation.php

- Using the post method, the username and password from login.html will be stored in a variable.
- Validation such as isset was used to ensure the post variables are not empty.
- Hashing of password after storing it in a PHP variable. Next, the username and hashed password will be used to query the database to ensure there is a match. If matched, the user id will be stored in a session.
- If the session is empty the admin will be redirected back to the login.html page. Else, the admin will be directed to the edit movie page.

logout.php

- Pressing logout in the edit movie page will be redirected to this page.
- This page will destroy all sessions and direct the admin to the login page.

editMovie.php

- Will be brought to this page after login.
- A drop-down 'select' input is used to show the function available for the staff.
- The 'select' input is set to onchange to activate the 'setForm' function to show/hide forms selected.
- Add form
 - A form will appear allowing the admin to enter the details of the movie.
- Delete form
 - A drop-down 'select' input to display all movies in the database.
- Timing form
 - To add the screening date and time of the movie to the database.
 - A javascript function is used to block the older dates or dates that are before today. .
 - Another function was written to prevent adding screening times and dates that already exist.

upload.php

- Initiated by editMovie.php forms. The function is selected by the value of the button on each different form using 'onclick' event.
- Add form button
 - Add details of the movie into the database
 - If entered movie name is found in the database, an alert message "Movie name already exists!" before returning to the editMoive.php.
- Delete form button
 - Search whether movies have been booked by any user.
 - If the movie is not booked by any users, delete the movie from the 'movies' table and the 'screenings' table in the database.
- Timing form button
 - Add selected movie timing and date to the 'screenings' table so the user can book the selected timing.
- After completing the form will return to the previous page.

dbconnect.php

- Universe connects to database

style.css

- Contain universe styles that are used across all the pages.

Testing of web application

Users:

Movie page: All movies from the database will be printed on this page and 4 per row. If there is no movie in the database, A heading with text 'No movies available' printed. Upon clicking, the user will be guided to the page where the screening information and details of the movie are shown. Screening dates and times that have passed the current date and time will not be shown in the select list. If the movie has no screening date or time, a heading will show "Coming Soon."

Seat selection: After choosing the movie and screening details, the user will be directed to this page. Seats that are booked by other users will be blocked and cannot be chosen. The user must select at least one seat, and if they click the submit button without selecting a seat, an alert will be displayed.

Payment: The input consists of name, email, and credit card, each of the inputs has its own regular expression. A red outline will be shown if the individual input does not match the regular expression, and if users try to submit, they will be prompted to match the required pattern.

processPayment page: Ensure that the email is send out with the correct details.

Booking page + receipt.php: If email entered is not listed in databases, prompt an alert message. Ensure that the booking-id for the email is correct and that the details of the booking-id matched.

Staff:

login page: An alert will be prompted if admin enter details that does not match the database. If admin press login with one or both input empty, admin will be prompted to enter the details.

editMovie page + upload.php: The staff will be able to add or remove movies (including adding movies to the screening table). Staff will not be able to enter movies with the same names. For the duration, only numbers can be keyed in. On the screening form, staff cannot add a movie with a similar time and date and can only add dates after today. Only dates after today can be selected, and only the time that has not been added will be shown.

For the form to delete movies, only movies that have not been booked by the public can be deleted. Otherwise, an alert message will prompt the error. After submission of any form, automatically return to the previous page with a confirmation/error prompt. Ensure that only the correct form can activate the correct PHP function in upload.php.

Conclusion

Overall, the website managed to achieve most of the functional requirements stated at point number 2, and additional validation is included on every web page to prevent exceptions from happening on the client side. At this stage, we can include movie filtering to allow users to find specific movies and improve the design of the seats on the seat selection page to allow a better user experience and interface.

Contribution

<u>Laddie</u>	<u>Yaohui</u>
<ol style="list-style-type: none">1. index.html2. movies.php3. movieInfo.php4. seatselection.php5. movieSelected.php6. processPayment.php7. login.html8. loginValidation.php9. logout.php	<ol style="list-style-type: none">1. booking.php2. receipt.php3. editMovie.php4. upload.php5. processPayment.php (email part)

Appendix

index.html

```
<!DOCTYPE html>
<html lang="en">
<head>
  <title>EL Cinema</title>
  <meta charset="utf-8" />
  <link rel="stylesheet" href="style.css" />
  <style>
    .container{
      height:70vh;
    }
    .top-container{
      display:flex;
      align-items: center;
      justify-content: space-around;
      margin:20px;
      margin-top:50px
    }
    .item{
      display:flex;
      flex-direction: column;
      padding:5px;
    }
    img{
      width:300px;
      height:200px;
    }
    input[type=submit]{
      padding:5px 25px 5px 25px;
      width:100%;
      margin-top:15px;
      border-radius:30px;
      background-color:#222831;
      color:#ffffff;
      font-size:1.05rem;
    }
    input[type=submit]:hover{
      background-color:#B2B2B2;
      color:#222831;
    }
    .btm-container{
      /* background-color: red; */
      display:flex;
```

```

padding:50px;
flex-direction:column;
/* justify-content:space-around; */
align-items:center;
}
</style>
</head>
<body>
<nav>
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="movies.php">Movies</a></li>
<li><a href="booking.php">Booking</a></li>
</ul>
</nav>
<div class="container">
<div class="top-container">
<h1>EL CINEMA</h1>
<div class="item">
<div class="thumb">
<a class="popup-gmaps" target="_blank" rel="nofollow"
href="https://maps.google.com/maps?q=8+Grange+Rd,Cineleisure+Orchard,+Singapore+2396
95"></a>
</div>
<div class="description">
<h3 class="cinema-name">EL @ CINEPLEX CINELEISURE</h3>
8 Grange Road<br>
Levels 4, 5 & 6, Cathay Cineleisure<br>
Singapore 239695
<br>
</div>
</div>
<div class="item">
<div class="thumb">
<a
class="popup-gmaps"
target="_blank"
rel="nofollow"
href="https://maps.google.com/maps?q=80+Marine+Parade+Rd,+Parkway+Parade,+Singapore
+449269"
></a>
</div>

```



```
<div class="description">
  <p class="cinema-name">
    <h3>EL @ Parkway Parade</h3>
  </p>
  80 Marine Parade Road<br />
  Level 7, Parkway Parade<br />
  Singapore 449269<br />
</div>
</div>
<div class="item">
  <div class="thumb"><a class="popup-gmaps" target="_blank" rel="nofollow"
href="https://maps.google.com/maps?q=1+Pasir+Ris+Close,+E!Hub,+Singapore+569933"><im
g src="img/downtown-east.jpg"></a></div>
  <div id="clear"></div>
  <div class="description">
    <p class="cinema-name"><h3>EL @ Downtown East</h3>
    1 Pasir Ris Close<br>
    Level 4, E!Hub<br>
    Singapore 519599
    <br>
  </p>
  </div>
</div>
</div>
<div class="btm-container">
  <form action="movies.php">
    <input type="submit" value="Book with us now!" />
  </form>
  <form action="booking.php">
    <input type="submit" value="Search your booking" />
  </form>
</div>
</div>
</body>
<footer>
<ul class="list">
  <li>
    <a href="index.html">Home</a>
  </li>
  <li>
    <a href="movies.php">Movies</a>
  </li>
  <li>
    <a href="login.html">Login</a>
  </li>
</ul>
</div>
```

```
        </li>
    </ul>
    <p class="copyright">EL Cinema &copy; 2022</p>
</footer>
</html>
```

movies.php

```
<?php
include "dbconnect.php";
$query = "select * from movies";
$result = $dbcnx->query($query);
$x=0;
?>
<!DOCTYPE html>
<html lang="en">
    <head>
        <title>EL Cinema</title>
        <meta charset="utf-8" />
        <link rel="stylesheet" href="style.css" />
    </head>
    <style>
        table{
            margin:auto;
            padding-top:50px;
            padding-bottom:50px;
        }
        td {
            padding:5px 70px 40px 70px;
            text-align:center;
            font-size:1.1rem;
        }
        .movie-title{
            text-decoration: none;
            color: black;
        }
        img{
            border-radius:5%;
        }
    </style>
    <body>
        <nav>
            <ul>
                <li><a href="index.html">Home</a></li>
                <li><a href="movies.php">Movies</a></li>
```

```

        <li><a href="booking.php">Booking</a></li>
    </ul>
</nav>
<?php
    echo "<table><tr>";
    $num_result = $result->num_rows;
    if($num_result > 0){
        while($row = mysqli_fetch_assoc($result)){
            $x++;
            echo '<div class="movie-border">';
            echo '<td><a href="movieInfo.php?role='.$row['title'].'" class="movie-title"><br><strong>\'$row[\'title\'].</a></strong><br>Duration: \'$row[\'duration_min\'].\'
mins</td></div>';
            if ($x % 4 == 0){
                echo'</tr><tr>';
            }
        }
        echo "</tr></table>";
    }
    else{
        echo "<h1>No movies available<h1>";
    }
?>
</body>
<footer>
<ul class="list">
    <li>
        <a href="index.html">Home</a>
    </li>
    <li>
        <a href="movies.php">Movies</a>
    </li>
    <li>
        <a href="login.html">Login</a>
    </li>
</ul>
<p class="copyright">EL Cinema &copy; 2022</p>
</footer>
</html>

```

movieInfo.php

```

<?php
include "dbconnect.php";

```

```

session_start();
$_SESSION['movie'] = $_GET['role'];
$movie = $_SESSION['movie'];
$query = 'select * from movies '
        ."where title='$movie' ";
date_default_timezone_set('Asia/Singapore');
$date_today = strtotime(date('d-m-Y h:i:s'));
$result = $dbcnx->query($query);
$row=mysqli_fetch_assoc($result);
$screening_query = "select * from screenings where movie_id=".$row['movie_id'];
$screening_result = $dbcnx->query($screening_query);
$counter = 0;
?>
<!DOCTYPE html>
<html lang="en">
<head>
<title>EL Cinema</title>
<meta charset="utf-8" />
<link rel="stylesheet" href="style.css" />
<style>
.container{
    display:flex;
    flex-direction:row;
    align-items:center;
    justify-content:center;
    height:76vh;
}
#movie{
    margin:auto;
    line-height:0;
}
#movie td{
    padding:20px;
}
h3{
    padding:0px;
    padding-bottom:2px;
    margin:0px;
}
img{
    border-radius:10%;
    padding: 15px;
    margin:10px;
}

```

```

input[type=submit]{
    padding:5px;
    width:100%;
    margin-top:10px;
    border-radius:30px;
    background-color:#222831;
    color:#ffffff;
    font-size:1.05rem;
}
input[type=submit]:hover{
    background-color:#B2B2B2;
    color:#222831;
}
#cslabel{
    color:red;
    text-align:center;
    display:none;
    font-size:1.5rem;
}
td select{
    padding:5px;
    margin:5px 0px 15px 0px;
    width:55%;
}
.heading{
    color:black;
}
</style>
</head>
<body>
<nav>
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="movies.php">Movies</a></li>
<li><a href="booking.php">Booking</a></li>
</ul>
</nav>
<div class="container">
<table id="image-table">
<tr>
<td><?php echo ''></td>
</tr>
</table>

```

```

<form action="seatselection.php" method="get">
  <table id="movie">
    <tr>
      <td colspan="2"></td>
    </tr>
    <tr>
      <td><strong><h3>Title</h3></strong><?php echo'<p>'.$row['title'].'</p>'?></td>
      <td><strong><h3>Director</h3></strong><?php
echo'<p>'.$row['director'].'</p>'?></td>
    </tr>
    <tr>
      <td><strong><h3>Running Time</h3></strong><?php echo
'<p>'.$row['duration_min'].'</p>'?></td>
      <td><strong><h3>Cast</h3></strong><?php echo '<p>'.$row['cast'].'</p>'?></td>
    </tr>
    <tr>
      <td colspan="2" class="summary"><strong><h3>Summary</h3></strong><?php
echo '<p>'.$row['description'].'</p>'?></td>
    </tr>
    <tr>
      <td colspan="2">
        <?php
echo 'Choose a timing: <select name="timing" id="timing">';
$num_result = $screening_result->num_rows;
for ($i=0;$i<$num_result;$i++){
  $screen_row = $screening_result->fetch_assoc();
  if($date_today<=strtotime(date("d-m-Y
H:i:s",strtotime($screen_row['screen_start']))))
  {
    echo '<option
value="'.htmlspecialchars($screen_row['screen_start']).">'.$screen_row['screen_start'].'</option
>';

    $counter = $counter + 1;
  }
};
?>
  <input type="Submit" value="Select" id="selectBtn">
</td>
</tr>
<tr>
  <td>
    <p id="cslabel">Coming Soon</p></td>
  </tr>
</table>

```

```

        </form>
    </div>

</body>
<footer>
    <ul class="list">
        <li>
            <a href="index.html">Home</a>
        </li>
        <li>
            <a href="movies.php">Movies</a>
        </li>
        <li>
            <a href="login.html">Login</a>
        </li>
    </ul>
    <p class="copyright">EL Cinema &copy; 2022</p>
</footer>
<script>
    var num_result = <?php echo $num_result?>;
    var counter= <?php echo $counter?>;
    if (counter == 0){
        document.getElementById("cslabel").style.display="block";
        document.getElementById("timing").style.display="none";
        document.getElementById("selectBtn").style.display="none";
    }
</script>
</html>

```

seatselection.php

```

<?php
include "dbconnect.php";
session_start();
$movie = $_SESSION['movie'];
$query = 'select * from movies '
        ."where title='$movie' ";
$result = $dbcnx->query($query);
$row=mysqli_fetch_assoc($result);
$movie_id = $row['movie_id'];
$_SESSION['timing'] = $_GET['timing'];
$screen_time = $_SESSION['timing'];
$screening_query = 'select * from screenings '
        ."where movie_id='$movie_id' "
        ."and screen_start='$screen_time'";

```

```

$screening_result = $dbcnx->query($screening_query);
$screening_row = mysqli_fetch_assoc($screening_result);
$_SESSION['screening_id'] = $screening_row['screening_id'];
$date = date("d-m-Y", strtotime(substr($_SESSION['timing'],0,10)));
$time = substr($_SESSION['timing'],11);
$seat_query = "select * from seats_booked where screening_id
=".$_SESSION['screening_id'];
$seat_result = $dbcnx->query($seat_query);
$seat_num_result = $seat_result->num_rows;
if($seat_num_result > 0){
    $seats_booked = array();
    while($seat_row = mysqli_fetch_assoc($seat_result)){
        array_push($seats_booked,$seat_row['seat_id']);
    }
}

```

?>

```

<!DOCTYPE html>
<html lang="en">
<head>
<title>EL Cinema</title>
<meta charset="utf-8" />
<link rel="stylesheet" href="style.css" />

<style>
    #movie{
        margin:auto;
        font-size:1.2rem;
        line-height:0;
        margin-bottom:10px;
        cursor: none;
    }
    img{
        border-radius:10%;
        padding: 15px;
        margin: 0px 0px 0px 0px;
    }
    .container{
        display:flex;
        flex-direction:row;
    }
    .left-container{

```



```
width:50%;
/* background:red; */
margin-left:3rem;
}
.right-container{
display:inline-block;
margin:0px 0px 30px 10px;
padding: 0px 25px 40px 0px;
border: 1px solid black;
text-align:center;
display:flex;
flex-direction:column;
align-items:center;
justify-content:center;
/* background-color:white; */
}
.top-bar{
text-align:center;
margin-right:2.5rem;
}
.top-bar ol{
width:100%;
color: #222831;
}
.top-bar li{
display: inline;
padding:15px;
margin:auto;
}
.step1{
border: 2px solid #DD5353;
border-radius:50%;
}
.seat{
background-color:#444451;
height:25px;
width:25px;
margin:5px;
}
.row{
display:flex;
margin:auto;
align-items:center;
justify-content: center;
```

```

}
.seat.selected{
    background-color:#6fea6f;
}
.seat.occupied{
    background-color:#ffffff;
}
.right-inner{
    padding:auto;
    margin-left:2.5rem;
}
.seat:not(.occupied):hover{
    cursor: pointer;
    transform:scale(1.1,1.1);
}
.showcase .seat:not(.occupied):hover{
    cursor:default;
    transform:scale(1);
}
.showcase{
    background-color:rgba(0,0,0,0);
    padding:5px 10px;
    margin-left:2.5rem;
    border-radius:5px;
    color:#777;
    display:flex;
    list-style-type:none;
    flex-direction: row;
}
.showcase li{
    display:flex;
    align-items:center;
    justify-content:center;
    margin:0 10px;
}
.showcase li small{
    margin-left:10px;
}
.screen{
    background-color: #fff;
    height: 70px;
    width: 50%;
    margin:auto;

```

```

        transform: rotateX(-55deg);
        box-shadow: 0 3px 10px rgba(255,255,255,0.75);
    }
    .top-info{
        margin-left:1.5rem;
    }
</style>
</head>
<body>
<nav>
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="movies.php">Movies</a></li>
<li><a href="booking.php">Booking</a></li>
</ul>
</nav>
<div class="top-bar">
<h1><ol>
<li class="step1">1.Seat Selection</li>
<li class="step2">2.Payment Selection</li>
<li class="step3">3.Confirmation</li>
</ol></h1>
</div>
<div class="container">
<div class="left-container">
<table id="movie">
<thead>
<tr>
<th rowspan ="6" colspan="2"><?php echo ''></th>
</tr>
</thead>
</table>
</div>
<div class="right-container">
<h4 class="top-info">You have selected <span style="color:#DD5353"><?php echo $date;
echo " ".$time;?></span> slot for <span style="color:#DD5353"><?php echo
$row['title'?></span>. </h4>
<ul class="showcase">

<li>
<input type="checkbox" class="seat" checked style="pointer-events: none;">
<small>Selected</small>

```

```

        </li>
        <li>
            <input type="checkbox" class="seat" disabled>
            <small>Occupied</small>
        </li>
    </ul>
    <div class="right-inner">
        <form action="movieSelected.php" method="get" id="seat-selection" onsubmit="return
checkCount()">
            <div class="screen"></div>
            <div class="row">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(1,$seats_booked)) echo 'disabled
style="transform:scale(1);cursor:default";?> value="1">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(2,$seats_booked)) echo 'disabled
style="transform:scale(1);cursor:default";?> value="2">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(3,$seats_booked)) echo 'disabled
style="transform:scale(1);cursor:default";?> value="3">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(4,$seats_booked)) echo 'disabled
style="transform:scale(1);cursor:default";?> value="4">
            </div>
            <div class="row">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(5,$seats_booked)) echo 'disabled
style="transform:scale(1);cursor:default";?> value="5">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(6,$seats_booked)) echo 'disabled style="transform:scale(1);
cursor:default";?>value="6">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(7,$seats_booked)) echo 'disabled style="transform:scale(1);
cursor:default";?>value="7">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(8,$seats_booked)) echo 'disabled style="transform:scale(1);
cursor:default";?>value="8">
            </div>
            <div class="row">
                <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(9,$seats_booked)) echo 'disabled
style="transform:scale(1);cursor:default";?> value="9">

```

```

        <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(10,$seats_booked)) echo 'disabled
style="transform:scale(1); cursor:default";?>value="10">
        <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(11,$seats_booked)) echo 'disabled
style="transform:scale(1); cursor:default";?>value="11">
        <input type="checkbox" name="seats[]" class="seat check" <?php
if(isset($seats_booked)&&in_array(12,$seats_booked)) echo 'disabled
style="transform:scale(1); cursor:default";?>value="12">
    </div>
    <p class="text">
        You have selected <span id="count"></span> seats for a price of <span
id="total"></span>
    </p>
    <input type="submit">
</form>

</div>
</div>

</div>
</body>
<footer>
    <ul class="list">
        <li>
            <a href="index.html">Home</a>
        </li>
        <li>
            <a href="movies.php">Movies</a>
        </li>
        <li>
            <a href="login.html">Login</a>
        </li>
    </ul>
    <p class="copyright">EL Cinema &copy; 2022</p>
</footer>
<script>
    function checkCount(){
        var form = document.getElementById('seat-selection');
        var checkedElms = form.querySelectorAll(':checked').length;
        if(checkedElms > 0)
        {
            return true;

```

```

    }
    else{
        alert('Please select at least 1 seat');
        return false;
    }
}

</script>
</html>

```

movieSelected.php

```

<?php
include "dbconnect.php";
session_start();
$movie = $_SESSION['movie'];
if(!isset($_GET['seats'])){
    echo "Select a seat";
}
else{
    $_SESSION['seats'] = $_GET['seats'];
    $seats = $_SESSION['seats'];
}

$query = 'select * from movies '
        ."where title='$movie' ";
$result = $dbcnx->query($query);
$row=mysqli_fetch_assoc($result);
$screening_query = "select * from screenings where movie_id=".$row['movie_id']."";
$screening_result = $dbcnx->query($screening_query);
$screening_row = mysqli_fetch_assoc($screening_result);
$date = date("d-m-Y", strtotime(substr($_SESSION['timing'],0,10)));
$time = substr($_SESSION['timing'],11);
?>
<!DOCTYPE html>
<html lang="en">
<head>
<title>EL Cinema</title>
<meta charset="utf-8" />
<link rel="stylesheet" href="style.css" />
<style>
    .top-bar{
        text-align:center;
        margin-right:2.5rem;
    }

```

```
.top-bar ol{
  width:100%;
  color: #222831;
}
.top-bar li{
  display: inline;
  padding:15px;
  margin:auto;
}
.circle{
  border: 2px solid #DD5353;
  border-radius:50%;
}
.container{
  display:flex;
  width:100%;
  align-items:top;
  justify-content:center;
  /* background-color:white; */
  height:61vh;
}
input[type=text]{
  width:250px;
}
input[type=email]{
  width:250px;
}
input[type=submit]{
  padding:5px;
  width:100%;
  margin-top:15px;
  border-radius:30px;
  background-color:#222831;
  color:#ffffff;
  font-size:1.05rem;
}
input[type=submit]:hover{
  background-color:#B2B2B2;
  color:#222831;
}
table{
  margin:auto;
}
```

```

td{
    text-align:right;
    margin:auto;
    /* border:1px solid black; */
    padding:5px;
}
.error {
    border:2px solid red;
}
img{
    width:2.5rem;
    height:1.5rem;
    margin:3px;
}
.cc-logo{
    display:flex;
    flex-direction:row;
    justify-content:center;
}
.visa{
    display:none;
}
.master{
    display:none;
}
.seat-header{
    text-align:center;
}
</style>
</head>
<body>
<nav>
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="movies.php">Movies</a></li>
<li><a href="booking.php">Booking</a></li>
</ul>
</nav>
<div class="top-bar">
<h1><ol>
<li>1.Seat Selection</li>
<li class="circle">2.Payment Selection</li>
<li>3.Confirmation</li>
</ol></h1>

```



```

</div>
<div class="container">

<form action="processPayment.php" method="post" onsubmit="return confirmation()">
<table>
  <tr>
    <td colspan="2" class="seat-header"><h4>You have selected seat <span
style="color:#DD5353"><?php foreach ($seats as $seat){
  echo "S".$seat." ";
}?></span></h4></td>
  </tr>
  <tr>
    <td><label for="name">Name:</label></td>
    <td><input type="text" name="name" id="name" placeholder="No Numbers or Special
Characters"><br>
    </td>
  </tr>
  <tr>
    <td><label for="email" >Email:</label></td>
    <td><input type="email" name="email" id="email"
placeholder="example@gmail.com.sg"><br></td>
  </tr>
  <tr>
    <td><label for="cc">Credit Card:</label></td>
    <td><input type="text" name="cc" id="cc"><br></td>
  </tr>
  <tr>
    <td colspan="2">
      <div class="cc-logo">
        
        <br>
      </div>
    </td>
  </tr>
  <tr>
    <td colspan="2"><input type="submit"></td>
  </tr>
</table>
</form>
</div>
</body>
<footer>
<ul class="list">
  <li>
    <a href="index.html">Home</a>

```

```

</li>
<li>
<a href="movies.php">Movies</a>
</li>
<li>
<a href="login.html">Login</a>
</li>
</ul>
<p class="copyright">EL Cinema &copy; 2022</p>
</footer>
<script>
    const name = document.getElementById('name')
    const cc = document.getElementById('cc');
    const email = document.getElementById('email');

    name.addEventListener('input',function(e){
        name_check = e.target.value;
        if (!name_check.match(/^[A-Za-z\s]+$/)) {
            document.getElementById("name").className = 'error';
        }
        else{
            document.getElementById("name").className = "";
        }
    })
    cc.addEventListener('input', function(e){
        cc_check = e.target.value;

        if(cc_check.match(/^(5[1-5][0-9]{14}|2(22[1-9][0-9]{12}|2[3-9][0-9]{13})[3-6][0-9]{14}|7[0-1][0-9]{13}|720[0-9]{12}))$/)){
            document.getElementsByClassName("master")[0].style.display = 'block';
            document.getElementById("cc").className = "";
        }
        else if(cc_check.match(/^(4[0-9]{12}(?:[0-9]{3})?$/)){
            document.getElementsByClassName("visa")[0].style.display = 'block';
            document.getElementById("cc").className = "";
        }
        else{
            document.getElementsByClassName("master")[0].style.display = 'none';
            document.getElementsByClassName("visa")[0].style.display = 'none';
            document.getElementById("cc").className = 'error';
        }
    })
    email.addEventListener('input',function(e){
        email_check = e.target.value;

```

```

        if (!email_check.match(/^[w.-]+@[w]+\.[A-Za-z]{2,3}{1,3}\.[A-Za-z]{2,3}$/)) {
            document.getElementById("email").className = 'error';
        }
        else{
            document.getElementById('email').className = "";
        }

    })
    function confirmation(){
        const name = document.getElementById('name').value;
        const cc = document.getElementById('cc').value;
        const email = document.getElementById('email').value;
        if (!name.match(/^[A-Za-z\s]+$/)) {
            alert('Name is wrong format, Please do not include any special characters or
numbers')
            return false;
        }
        if (!email.match(/^[w.-]+@[w]+\.[A-Za-z]{2,3}{1,3}\.[A-Za-z]{2,3}$/)){
            alert('Email is wrong format. Make sure its test@example.com.sg');
            return false;
        }
        else {

if((cc.match(/^(5[1-5][0-9]{14}|2(22[1-9][0-9]{12}|2[3-9][0-9]{13}|[3-6][0-9]{14}|7[0-1][0-9]{13}|720[
0-9]{12}))$/)) || (cc.match(/^(4[0-9]{12}(?:[0-9]{3})?$/))){
            alert('Thank you for booking');
            return true;
        }
        else
        {
            alert('Wrong cc info');
            return false;
        }
    };
}

</script>
</html>

```

processPayment.php

```

<?php
include "dbconnect.php";
session_start();
$name = $_POST['name'];

```

```

$email = $_POST['email'];
$cc = $_POST['cc'];
$screen_id= $_SESSION['screening_id'];
$booking_query = "insert into booking (screening_id,name,email,cc)
values('".$screen_id."','".$name."','".$email."','".$cc."')";
$result = $dbcnx->query($booking_query);
$id = $dbcnx->insert_id;
foreach ($_SESSION['seats'] as $seat) {
    $seats_booked_query = "insert into seats_booked (seat_id,booking_id,screening_id) values
('".$seat."','".$id."','".$screen_id."')";
    $seats_booked_result = $dbcnx->query($seats_booked_query);
}
$date = date("d-m-Y", strtotime(substr($_SESSION['timing'],0,10)));
$time = substr($_SESSION['timing'],11);
$to='f32ee@localhost';
$subject = 'EL cinema: movie ticket purchase';
$message = 'Thanks for purchasing at EL cinema.'. "\r\n" .
    'Booking_id: '.$id."\r\n" .
    'Movie: '.$_SESSION['movie']."\r\n" .
    'name: '.$name."\r\n" .
    'email: '.$email."\r\n" .
    'Screening Time and Date: '.$date.' '.$time. "\r\n" .
    'Seat: ';
    foreach($_SESSION["seats"] as $seat){
        $message.='S'.$seat.' ';
    }

$headers = 'From: f32ee@localhost' . "\r\n" .
'Reply-To: f32ee@localhost' . "\r\n" .
'X-Mailer: PHP/' . phpversion();
mail($to, $subject, $message, $headers,'-ff32ee@localhost');
echo ("mail sent to : ".$to);
?>
<!DOCTYPE html>
<html lang="en">
<head>
<title>EL Cinema</title>
<meta charset="utf-8" />
<link rel="stylesheet" href="style.css" />
<style>
.container{
    display:flex;
    justify-content:center;
    align-items:center;

```

```

        flex-direction:column;
    }
    .top-bar{
        text-align:center;
        margin-right:2.5rem;
    }
    .top-bar ol{
        width:100%;
        color: #222831;
    }
    .top-bar li{
        display: inline;
        padding:15px;
        margin:auto;
    }
    .circle{
        border: 2px solid #DD5353;
        border-radius:50%;
    }
    .booking{
        margin:25px;
        /* border:1px solid #EAEAEA; */
        background-color:#eaeaea;
    }
    .booking th{
        background-color:#222831;
        color:white;
        border-bottom: 1px solid #EAEAEA;
        padding:15px;
    }

    }
    .booking td{
        text-align:center;
        padding: 10px;
        text-align: left;
        border-bottom: 1px solid black;
    }
    }
    p{
        margin:0;
        padding:5px;
    }
    }
</style>
</head>

```

```

<body>
<nav>
  <ul>
    <li><a href="index.html">Home</a></li>
    <li><a href="movies.php">Movies</a></li>
    <li><a href="booking.php">Booking</a></li>
  </ul>
</nav>
<div class="top-bar">
  <h1><ol>
    <li>1.Seat Selection</li>
    <li>2.Payment Selection</li>
    <li class="circle">3.Confirmation</li>
  </ol></h1>
</div>
<div class="container">
  <p>Thank you for booking with us. Here is your booking details:<br></p>
  <table class="booking">

    <thead>
      <tr>
        <th colspan="2">Booking Summary</th>
      </tr>
    </thead>
    <tbody>
      <tr>
        <td>Booking ID:</td>
        <td><?php echo $id?></td>
      </tr>
      <tr>
        <td>Movie:</td>
        <td><?php echo $_SESSION['movie']?></td>
      </tr>
      <tr>
        <td>Name:</td>
        <td><?php echo $name?></td>
      </tr>
      <tr>
        <td>Email:</td>
        <td><?php echo $email?></td>
      </tr>
      <tr>
        <td>Screening Time and Date:</td>
        <td><?php echo $date; echo $time;?></td>
      </tr>
    </tbody>
  </table>

```

```

        </tr>
        <tr>
            <td>Seats:</td>
            <td><?php foreach ($_SESSION['seats'] as $seat){ echo "S".$seat." ";}?></td>
        </tr>
        <tr>
            <td>Amount:</td>
            <td>$40</td>
        </tr>
        <tr>
            <td colspan="2">Your booking details will be sent to your email.</td>
        </tr>
    </tbody>
</table>
</div>
</body>
<footer>
<ul class="list">
    <li>
        <a href="index.html">Home</a>
    </li>
    <li>
        <a href="movies.php">Movies</a>
    </li>
    <li>
        <a href="login.html">Login</a>
    </li>
</ul>
<p class="copyright">EL Cinema &copy; 2022</p>
</footer>
</html>

```

```

<?php
unset($_SESSION['movie']);
unset($_SESSION['seats']);
unset($_SESSION['screening_id']);
unset($_SESSION['timing']);
session_destroy();
exit();
?>

```

booking.php

```

<!DOCTYPE html>
<html lang="en">

```

```
<head>
  <title>EL Cinema</title>
  <meta charset="utf-8" />
  <link rel="stylesheet" href="style.css" />
  <style>
    .container{
      display:flex;
      justify-content:center;
      align-items:center;
      flex-direction:column ;
      font-size:40px;
      height:80vh;
    }
    p{
      display: flex;
      justify-content: center;
    }
    form{
      display: flex;
      justify-content: center;
    }
    table{
      margin:auto;
      display: flex;
      justify-content: center;
      margin-top:40px;
      margin-bottom:40px;
    }
    select{
      padding: 5px;
      width:100%;
    }
    tr{
      border-bottom: 1px solid white;
    }
    tr:last-child {
      border-bottom: none;
    }
    td{
      padding:5px;
      overflow:auto;
      text-align:right;
    }
    input[type=email]{
```



```

    height: 40px;
    display: flex;
    text-align: center;
    font-size: 30px;
}
input[type=submit]{
    padding: 5px;
    width: 100%;
    margin-top: 5px;
    border-radius: 30px;
    background-color: #222831;
    color: #ffffff;
    font-size: 1.5rem;
    text-align: center;
}
input[type=submit]:hover{
    background-color: #B2B2B2;
    color: #222831;
}
</style>
</head>
<body>
<nav>
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="movies.php">Movies</a></li>
<li><a href="booking.php">Booking</a></li>
</ul>
</nav>
<div class="container">
    <form name="form_email" id="form_email" action="receipt.php" method="post"
enctype="multipart/form-data">
        <table>
            <tr>
                <td><b>Enter email:</b></td>
                <td><input type="email" name="enter_email" id="enter_email" size="50"></td>
            </tr>
            <tr>
                <td colspan="2"><input type="submit" name="Check" value="Check"/></td>
            </tr>
        </table>
    </form>
</div>
<footer>

```

```

<ul class="list">
  <li>
    <a href="index.html">Home</a>
  </li>
  <li>
    <a href="movies.php">Movies</a>
  </li>
  <li>
    <a href="login.html">Login</a>
  </li>
</ul>
<p class="copyright">EL Cinema &copy; 2022</p>
</footer>
</body>
</html>

```

receipt.php

```

<?php
include "dbconnect.php";

$email = $_POST['enter_email'];
$query = "select * from booking";
$result = $dbcnx->query($query);
$name=array();
$screening_id=array();
$booking_id=array();
while($row = $result->fetch_assoc()){
  if($email==$row['email']){
    array_push($name,$row['name']);
    array_push($booking_id,$row['booking_id']);
    array_push($screening_id,$row['screening_id']); //for movie title and date_time
  }
}
if(empty($booking_id)){
  echo '<script type="text/javascript">alert("No email found!");history.go(-1);</script>';
}
else{
  $movie_id=array();
  $date_time=array();
  foreach($screening_id as $int){
    $query_screenings = "select * from screenings";
    $result_screenings = $dbcnx->query($query_screenings);
    while($row_screenings = $result_screenings->fetch_assoc()){
      if($int==$row_screenings['screening_id']){

```

```

        array_push($movie_id,$row_screenings['movie_id']);
        array_push($date_time,$row_screenings['screen_start']);
    }
}
}
$movie_title=array();
foreach($movie_id as $int){
    $query_movies = "select * from movies";
    $result_movies = $dbcnx->query($query_movies);
    while($row_movies = $result_movies->fetch_assoc()){
        if($int==$row_movies['movie_id']){
            array_push($movie_title,$row_movies['title']);
        }
    }
}
$seat_for=[];
$seat=[];
foreach($booking_id as $int){
    $query_seats_booked = "select * from seats_booked";
    $result_seats_booked = $dbcnx->query($query_seats_booked);
    while($row_seats_booked = $result_seats_booked->fetch_assoc()){
        if($int==$row_seats_booked['booking_id']){
            array_push($seat,$row_seats_booked['seat_id']);
            array_push($seat_for,$int);
        }
    }
}
}
}

?>
<!DOCTYPE html>
<html lang="en">
<script type="text/javascript">
    window.onload = function(event) {
        reset_selectEdit=document.getElementById('select_booking_id');
        reset_selectEdit.selectedIndex = -1;
    }
    const name= <?php echo json_encode($name);?>;
    var booking_id= <?php echo json_encode($booking_id);?>;
    const date_time= <?php echo json_encode($date_time);?>;
    const movie_title= <?php echo json_encode($movie_title);?>;
    var seat_for= <?php echo json_encode($seat_for);?>;
    var seat= <?php echo json_encode($seat);?>;
    function update_details(value){

```

```

        let index = booking_id.indexOf(value);
        document.getElementById("name_td").innerHTML = name[index];
        document.getElementById("title_td").innerHTML = movie_title[index];
        document.getElementById("date_time_td").innerHTML = date_time[index];
        var seat_for_id= [];
        for(let i=0;i<seat_for.length;i++){
            if(value==seat_for[i]){
                seat_for_id.push(seat[i]);
            }
        }
        document.getElementById("seat_td").innerHTML = seat_for_id;
    }
</script>
<head>
    <title>EL Cinema</title>
    <meta charset="utf-8" />
    <link rel="stylesheet" href="style.css" />
    <style>
        .container{
            display: flex;
            justify-content: center;
            align-items: center;
            flex-direction: column ;
            font-size: 40px;
            height: 80vh;
        }
        p{
            display: flex;
            justify-content: center;
        }
        form{
            display: flex;
            justify-content: center;
        }
        table{
            margin: auto;
            display: flex;
            justify-content: center;
            margin-top: 40px;
            margin-bottom: 40px;
            background-color: #EAEAEA;
            border-collapse: collapse;
            border-radius: 10px;
            border-style: hidden; /* hide standard table (collapsed) border */

```

```

        box-shadow: 0 0 0 1px #666; /* this draws the table border */
    }
    select{
        padding: 5px;
        width:100%;
        display:flex;
        text-align:center;
        font-size:30px;
    }
    input{
        height: 30px;
        display:flex;
        text-align:center;
    }
    tr{
        border-bottom: 1px solid white;
    }
    tr:last-child {
        border-bottom: none;
    }
    td{
        padding:5px;
        overflow:auto;
        text-align:right;
    }
    td:nth-child(2) {
        border-left:1px solid white;
        text-align:center;
    }
    th{
        border-top-left-radius:10px;
        border-top-right-radius:10px;
        background-color:black;
        color: white;
        font-size:60px;
    }

</style>
</head>
<body>
<nav>
<ul>
<li><a href="index.html">Home</a></li>

```

```

        <li><a href="movies.php">Movies</a></li>
        <li><a href="booking.php">Booking</a></li>
    </ul>
</nav>
<div class="container">
    <table>
        <tr>
            <td><b>Entered email:</td>
            <td><?php echo $email; ?></td>
        </tr>
        <tr>
            <td><b>Booking ID:</td>
            <td>
                <select name="select_booking_id" id="select_booking_id"
onchange="update_details(this.value)">
                    <?php
                        $query = "select * from booking";
                        $result = $dbcnx->query($query);
                        while($row = $result->fetch_assoc()){
                            if($email==$row['email']){?>
                                <option value="<?php echo $row['booking_id']; ?>">
                                    <?php echo $row['booking_id']; ?>
                                </option>
                            <?php }
                        }
                    ?>
                </td>
            </tr>
        </table>
        <table>
            <tr>
                <th colspan="2"><b>Details</td>
            </tr>
            <tr>
                <td><b>Name:</td>
                <td id="name_td">-</td>
            </tr>
            <tr>
                <td><b>Movie title:</td>
                <td id="title_td">-</td>
            </tr>
            <tr>
                <td><b>Movie date & time:</td>

```

```

        <td id="date_time_td">-</td>
    </tr>
    <tr>
        <td><b>Seat no:</td>
        <td id="seat_td">-</td>
    </tr>
</table>
</div>
<footer>
<ul class="list">
    <li>
        <a href="index.html">Home</a>
    </li>
    <li>
        <a href="movies.php">Movies</a>
    </li>
    <li>
        <a href="login.html">Login</a>
    </li>
</ul>
<p class="copyright">EL Cinema &copy; 2022</p>
</footer>
</body>
</html>

```

login.html

```

<!DOCTYPE html>
<html lang="en">
<head>
    <title>EL Cinema</title>
    <meta charset="utf-8" />
    <link rel="stylesheet" href="style.css" />
</head>
<body>
    <div class="container">
        <div class="form-container">
            <div class="form">
                <div class="form-header">
                    <h2>Login</h2>
                </div>
                <div class="form-body">
                    <div class="form-group">
                        <input type="text" value="Email" />
                    </div>
                    <div class="form-group">
                        <input type="password" value="Password" />
                    </div>
                    <div class="form-group">
                        <input type="button" value="Login" />
                    </div>
                </div>
            </div>
        </div>
    </div>
</body>

```

```
font-size: 1.1rem;
padding: 20px 20px 20px 20px;
height: auto;
text-align: left;
width: 40%;
}
.form-container label {
margin-top: 7px;
}
input[type="text"] {
margin: 5px 0px 5px 0px;
padding: 5px;
width: 70%;
}
input[type="password"] {
margin: 5px 0px 5px 0px;
width: 70%;
padding: 5px;
}
</style>
</head>
<body>
<nav>
<ul>
<li><a href="index.html">Home</a></li>
<li><a href="movies.php">Movies</a></li>
<li><a href="booking.php">Booking</a></li>
</ul>
</nav>
<div class="container">
<div class="form-container">
<form
action="loginValidation.php"
method="post"
id="frmLogin"
onsubmit="return validate();"
>
<label for="username">Username:</label> <br />
<input
type="text"
name="username"
id="username"
placeholder="Enter username"
/><br />
```



```

        <label for="password">Password:</label> <br />
        <input
            type="password"
            name="password"
            id="password"
            placeholder="Enter password"
        /><br />
        <input type="submit" name="login" value="Login" /> <br />
        <label for="" id="output"></label>
    </form>
</div>
</div>
</body>
<footer>
    <ul class="list">
        <li>
            <a href="index.html">Home</a>
        </li>
        <li>
            <a href="movies.php">Movies</a>
        </li>
        <li>
            <a href="login.html">Login</a>
        </li>
    </ul>
    <p class="copyright">EL Cinema &copy; 2022</p>
</footer>
<script>
function validate() {
    var $valid = true;
    var username = document.getElementById("username").value;
    var password = document.getElementById("password").value;
    if (username == "") {
        document.getElementById("output").textContent =
            "Please enter your username";
        $valid = false;
    }
    if (password == "") {
        document.getElementById("output").textContent =
            "Please enter your password";
        $valid = false;
    }
    return $valid;
}

```

```
</script>
</html>
```

loginValidation.html

```
<?php
include "dbconnect.php";
session_start();

if (isset($_POST['username']) && isset($_POST['password'])){
    $userid = $_POST['username'];
    $password = md5($_POST['password']);
    $query = 'select * from employee '
    ."where username='$userid' "
    ." and password='$password'";
    // echo $query;
    $result = $dbcnx->query($query);
    if($result->num_rows>0){
        $_SESSION['valid_user'] = $userid;
    }
    else{
        unset($_SESSION['valid_user']);
    }
    $dbcnx->close();
}
if (isset($_SESSION['valid_user'])){
    header("Location: editMovie.php");
    exit();
}
else{
    echo '<script type="text/javascript">alert("Incorrect user and
password!");history.go(-1);</script>';
    exit();
}

?>
```

logout.php

```
<?php
unset($_SESSION['valid_user']);
session_destroy();
header("Location: login.html");
exit();
?>
```

editMovie.php

```
<?php include "dbconnect.php";
session_start();

$query_title_movies ="SELECT title FROM movies";
$result = $dbcnx->query($query_title_movies);
if($result->num_rows> 0){
    $options= mysqli_fetch_all($result, MYSQLI_ASSOC);
}
$query_all_movies ="SELECT * FROM movies";
$result_all_movies = $dbcnx->query($query_all_movies);
$movies=array();
$movies_id=array();
while($row_movies = $result_all_movies->fetch_assoc()){
    array_push($movies,$row_movies['title']);
    array_push($movies_id,$row_movies['movie_id']);
}
$dates=array();
$times=array();
$screenings_movies_id=array();
$query_all_screenings = "select * from screenings";
$result_all_screenings = $dbcnx->query($query_all_screenings);
while($row_screenings = $result_all_screenings->fetch_assoc()){
    array_push($screenings_movies_id,$row_screenings['movie_id']);
    $temp_dates = explode(" ", $row_screenings['screen_start'])[0];
    array_push($dates,$temp_dates);
    $temp_times = explode(" ", $row_screenings['screen_start'])[1];
    array_push($times,$temp_times);
}
?>
<!DOCTYPE html>
<html lang="en">
<script type="text/javascript">
    window.onload = function(event) {
        var tomorrow = new Date();
        tomorrow.setDate(tomorrow.getDate()+1);
        tomorrow=tomorrow.toISOString().split('T')[0];
        document.getElementsByName("start-date")[0].setAttribute('min', tomorrow);
        setForm(0);
        reset_selectEdit=document.getElementById('selectEdit');
        reset_selectEdit.selectedIndex = 0;
        reset_select_movie=document.getElementById('select_movie');
        reset_select_movie.selectedIndex = -1;
    };
};
```

```

function setForm(value) {
  if(value == 'form_delete'){
    document.getElementById('form_delete').style='display:block;';
    document.getElementById('form_add').style='display:none;';
    document.getElementById('form_timing').style='display:none;';
  }
  else if(value == 'form_add'){
    document.getElementById('form_add').style = 'display:block;';
    document.getElementById('form_delete').style = 'display:none;';
    document.getElementById('form_timing').style='display:none;';
  }
  else if(value == 'form_timing'){
    document.getElementById('form_add').style = 'display:none;';
    document.getElementById('form_delete').style = 'display:none;';
    document.getElementById('form_timing').style='display:block;';
  }
  else{
    document.getElementById('form_add').style = 'display:none;';
    document.getElementById('form_delete').style = 'display:none;';
    document.getElementById('form_timing').style='display:none;';
  }
}

```

```

</script>
<head>
  <title>EL Cinema</title>
  <meta charset="utf-8" />
  <link rel="stylesheet" href="style.css" />
  <style>
    body{
      min-width:1300px;
    }
    .container{
      margin:auto;
      width:50%;
      font-size:40px;
    }
    p{
      display: flex;
      justify-content: center;
    }
    form{
      display: flex;
      justify-content: center;

```

```

}
table{
  margin:auto;
  display: flex;
  justify-content: center;
  margin-top:40px;
  margin-bottom:40px;
  background-color:#EAEAEA;
  border-collapse: collapse;
  border-radius: 10px;
  border-style: hidden; /* hide standard table (collapsed) border */
  box-shadow: 0 0 0 1px #666; /* this draws the table border */
}
select{
  padding: 5px;
  width:100%;
  display:flex;
  text-align:center;
  font-size:30px;
}
input{
  height: 30px;
  text-align:center;
}
tr{
  border-bottom: 1px solid white;
}
tr:last-child {
  border-bottom: none;
}
td{
  padding:5px;
  overflow:auto;
  text-align:right;
}
td:nth-child(2) {
  border-left:1px solid white;
  text-align:center;
}
textarea{
  resize: none;
  font-size:20px;
  display:flex;
}

```

```

select{
  padding: 5px;
  width:100%;
}
input[type=number]{
  width:95%;
}
input[type=date]{
  width:95%;
  font-size:30px;
}
input[type=submit]{
  padding:5px;
  height:40px;
  width:100%;
  margin-top:15px;
  border-radius:30px;
  background-color:#222831;
  color:#ffffff;
  font-size:1.5rem;
}
input[type=submit]:hover{
  background-color:#B2B2B2;
  color:#222831;
}
.delete_div{
  display:flex;
  justify-content:center;
  align-items:center;
  flex-direction:column ;
  min-width: 250px;
  padding:5px;
  margin-bottom: 50px;
}
label{
  padding:5px;
  margin-bottom:20px;
}
</style>
</head>
<body>
<nav>
<ul>
<li><a href="editMovie.php">Edit Movie</a></li>

```

```

        <li><a href="logout.php">Logout</a></li>
    </ul>
</nav>
<div class="container">
    <?php
    echo "<p>you are logging in as ".$_SESSION['valid_user']."</p>"?>
    <form>
        <table>
        <tr>
        <td>
            <b>Select edit: <b></td>
        <td>
            <select name="selectEdit" id="selectEdit" onchange="setForm(this.value)">
                <option value=" " selected>choose here</option>
                <option value="form_add">Add</option>
                <option value="form_delete">Delete</option>
                <option value="form_timing">Add timing</option>
            </select></td></tr></table>
        </form>

        <form name="form_add" id="form_add" action="upload.php" method="post"
        enctype="multipart/form-data">
            <table>
            <tr>
            <td>
                <b>Title</b>
            </td>
            <td>
                <textarea id="title" name="title" cols="30" required></textarea>
            </td></tr>
            <tr>
            <td>
                <b>Director</b>
            </td>
            <td>
                <textarea id="director" name="director" cols="30" required></textarea>
            </td></tr>
            <tr>
            <td>
                <b>Cast</b>
            </td>
            <td>
                <textarea id="cast" name="cast" cols="30" required"></textarea>
            </td></tr>

```

```

<tr>
  <td>
    <b>Description</b>
  </td>
  <td>
    <textarea id="description" name="description" rows="3" cols="30" required></textarea>
  </td></tr>
<tr>
  <td>
    <b>Duration_min</b>
  </td>
  <td>
    <input type="number" id="duration_min" name="duration_min" min="0"
oninput="this.value = Math.abs(this.value)" required>
  </td></tr>

<tr>
  <td>
    <b>Movie_pic</b>
  </td>
  <td>
    <input type="file" name="image" required/>
  </td></tr>
<tr><td colspan="2"><input type="submit" name="submit" value="UPLOAD"/></td></tr>
</table>
</form>

```

```

<form name="form_delete" id="form_delete" method="post" action="upload.php">
  <div class="delete_div">
    <label><b>Select movie to delete:</b><br></label>
    <select name="deleteTitle" id="deleteTitle">
      <?php foreach ($options as $option) {?>
        <option><?php echo $option['title']; ?> </option>
      <?php }?>
    </select>
    <input type="submit" name="confirmDelete" value="Delete"/>
  </div>

</form>

```

```

<form name="form_timing" id="form_timing" method="post" action="upload.php">
  <table>
    <tr>
      <td>

```



```

        <b>Select movie:</b>
    </td>
    <td>
        <select name="select_movie" id="select_movie" onchange="time_load()">
            <?php foreach ($options as $option) {?>
                <option value="<?php echo $option['title']; ?>"><?php echo $option['title']; ?> </option>
            <?php }?>
        </select></td></tr>
    <tr>
        <td>
            <b>Date</b>
        </td>
        <td>
            <input id="start-date" type="date" name="start-date" onchange="time_load()"/>
        </td></tr>
    <tr>
        <td>
            <b>Time</b>
        </td>
        <td>
            <select name="selectTime" id="selectTime">
            </td></tr>
    <tr><td colspan="2"><input type="submit" name="AddButton" value="Add"/></td></tr>
</table>
</form>
</div>
</body>
<footer>
    <ul class="list">
    </ul>
    <p class="copyright">EL Cinema &copy; 2022</p>
</footer>

</html>
<script type="text/javascript">
function time_load(){
    var screenings_movies_id=<?php echo json_encode($screenings_movies_id);?>;
    var movies=<?php echo json_encode($movies);?>;
    var movies_id=<?php echo json_encode($movies_id);?>;
    var dates= <?php echo json_encode($dates);?>;
    var times= <?php echo json_encode($times);?>;
    var new_dates=[];
    var new_times=[];
    let field = document.getElementById('start-date').value;

```

```

let selected_movie = document.getElementById('select_movie').value;
var index = movies.indexOf(selected_movie);
var daySelect = document.getElementById("selectTime");
var length = daySelect.options.length;
for (i = length-1; i >= 0; i--) {
    daySelect.options[i] = null;
}
if(screenings_movies_id.includes(movies_id[index])){
    for(let i=0;i<screenings_movies_id.length;i++){
        if(screenings_movies_id[i]==movies_id[index]){
            new_dates.push(dates[i]);
            new_times.push(times[i]);
        }
    }
}
const temp_times=[];
for(let i=0;i<new_dates.length;i++){
    if(field==new_dates[i]){
        temp_times.push(new_times[i]);
    }
}
console.log(temp_times);
if(!temp_times.includes("09:00:00")){
    daySelect.options[daySelect.options.length] = new Option('09:00:00', '09:00:00');
}
if(!temp_times.includes("13:00:00")){
    daySelect.options[daySelect.options.length] = new Option('13:00:00', '13:00:00');
}
if(!temp_times.includes("18:00:00")){
    daySelect.options[daySelect.options.length] = new Option('18:00:00', '18:00:00');
}
}
}
</script>

```

upload.php

```

<?php
include "dbconnect.php";

if(isset($_POST['submit'])){
    $check = getimagesize($_FILES["image"]["tmp_name"]);
    if($check !== false){
        $image = $_FILES['image']['tmp_name'];
        $imgContent = addslashes(file_get_contents($image));
    }
}

```

```

// Get data from html
$movie_id =NULL;
$title=$_POST['title'];
$director=$_POST['director'];
$cast=$_POST['cast'];
$description=$_POST['description'];
$duration_min=$_POST['duration_min'];
$query = "select * from movies";
$result = $dbcnx->query($query);
$movie_found = 0;
while($row = $result->fetch_assoc()){
    if($row['title']==$title){
        $movie_found=1;
    }
}
if($movie_found==1){
    echo '<script type="text/javascript">alert("Movie name already
exists!");history.go(-1);</script>';
}
else{//Insert details into database
    $insert = $dbcnx->query("INSERT into movies VALUES
('".$movie_id."','".$title."','".$director."','".$cast."','".$description."','".$duration_min."','".$imgConte
nt."')");

    //Auto go back to previous page and prompt alert
    echo '<script type="text/javascript">alert("upload complete!");history.go(-1);</script>';
}
else{
    echo '<script type="text/javascript">alert("upload error!");history.go(-1);</script>';
}
}
else if(isset($_POST['confirmDelete'])){
    $query = "select * from booking";
    $result = $dbcnx->query($query);
    $booking_screen=array();
    while($row = $result->fetch_assoc()){
        array_push($booking_screen,$row['screening_id']);
    }
    $screenings=array();
    foreach($booking_screen as $int){
        $query = "select * from screenings";
        $result = $dbcnx->query($query);
        while($row = $result->fetch_assoc()){

```

```

        if($int == $row['screening_id']){
            array_push($screenings,$row['movie_id']);
        }
    }
}

$deleteTitle=$_POST['deleteTitle'];
$query = "select * from movies";
$result = $dbcnx->query($query);
while($row = $result->fetch_assoc()){
    if($row['title']==$deleteTitle){
        $movie_id=$row['movie_id'];
    }
}
if(in_array($movie_id,$screenings)){
    echo '<script type="text/javascript">alert("Movie is Booked! Unable to
delete!");history.go(-1);</script>';
}
else{
    $delete = "DELETE FROM movies WHERE title='$deleteTitle'";
    $dbcnx->query($delete);
    $delete_screenings = "DELETE FROM screenings WHERE movie_id='$movie_id'";
    $dbcnx->query($delete_screenings);
    echo '<script type="text/javascript">alert("Delete complete!");history.go(-1);</script>';
}
}
else if(isset($_POST['AddButton'])){
    $select_movie=$_POST['select_movie'];
    $start_date=$_POST['start-date'];
    $selectTime=$_POST['selectTime'];
    $screening_id=NULL;
    $screen_start=$start_date." ".$selectTime;

    $query = "select * from movies";
    $result = $dbcnx->query($query);
    while($row = $result->fetch_assoc()){
        if($row['title']==$select_movie){
            $movie_id=$row['movie_id'];
        }
    }
    $insert = $dbcnx->query("INSERT into screenings VALUES
('".$screening_id."','".$movie_id."','".$screen_start."')");

    echo '<script type="text/javascript">alert("Time Added!");history.go(-1);</script>';
}

```

```
}  
?>
```

dbconnect.php

```
<?php  
@ $dbcnx = new mysqli('localhost','root','','project');  
if ($dbcnx->connect_error){  
    echo "Database is not online";  
    exit;  
}  
?>
```

style.css

```
:root {  
    --primary-color: #eae3d2;  
    --secondary-color: #607eaa;  
    --first-bar: 20px;  
}  
body {  
    margin: 0;  
    padding: 0;  
    font-family: "Segoe UI", Tahoma, Geneva, Verdana, sans-serif;  
    /* background-position: center center; */  
    background-color: #c9d6df;  
}  
nav ul {  
    list-style-type: none;  
    margin: 0;  
    padding: 0;  
    overflow: hidden;  
    background-color: #222831;  
}  
  
nav li {  
    float: left;  
}  
  
nav li a {  
    display: block;  
    color: white;  
    text-align: center;  
    padding: 14px 16px;  
    text-decoration: none;
```

```

}

/* Change the link color to #111 (black) on hover */
nav li a:hover {
    background-color: #393e46;
}

footer {
    padding-top: 25px;
    padding-bottom: 20px;
    background-color: #222831;
}
.social {
    text-align: center;
    padding-bottom: 15px;
    color: #4b4c4d;
}
.social a {
    font-size: 24px;
    color: black;
    border: 1px solid var(--secondary-color);
    width: 40px;
    height: 40px;
    line-height: 38px;
    display: inline-block;
    text-align: center;
    border-radius: 50%;
    margin: 0 8px;
    opacity: 0.65;
    text-decoration: none;
}
.social a:hover {
    opacity: 0.9;
}
footer ul {
    margin-top: 0;
    padding: 0;
    list-style-type: none;
    font-size: 18px;
    line-height: 1.6;
    margin-bottom: 0;
    text-align: center;
}
footer ul li a {

```

```

font-weight: bold;
text-decoration: none;
color: white;
}
footer ul li {
display: inline-block;
padding: 0 15px;
}
footer ul li a:hover {
opacity: 0.5;
}
footer .copyright {
margin-top: 15px;
color: white;
text-align: center;
font-size: 13px;
}

```

SQL code

```

CREATE TABLE `booking` (
  `booking_id` int(10) UNSIGNED NOT NULL,
  `screening_id` int(11) NOT NULL,
  `name` varchar(50) DEFAULT NULL,
  `email` varchar(50) DEFAULT NULL,
  `cc` varchar(20) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

```

```

CREATE TABLE `employee` (
  `employee_id` int(10) UNSIGNED NOT NULL,
  `username` varchar(30) DEFAULT NULL,
  `password` varchar(30) DEFAULT NULL
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;

```

```

CREATE TABLE `movies` (
  `movie_id` int(10) UNSIGNED NOT NULL,
  `title` varchar(256) NOT NULL,
  `director` varchar(256) DEFAULT NULL,
  `cast` varchar(1024) DEFAULT NULL,
  `description` text NOT NULL,
  `duration_min` int(11) NOT NULL,
  `movie_pic` blob NOT NULL
)

```

```
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `screenings` (  
  `screening_id` int(10) UNSIGNED NOT NULL,  
  `movie_id` int(11) NOT NULL,  
  `screen_start` timestamp NOT NULL DEFAULT current_timestamp() ON UPDATE  
current_timestamp()  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
CREATE TABLE `seats` (  
  `seat_id` int(10) UNSIGNED NOT NULL,  
  `row` int(11) NOT NULL,  
  `number` int(11) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
INSERT INTO `seats` (`seat_id`, `row`, `number`) VALUES  
(1, 1, 1),  
(2, 1, 2),  
(3, 1, 3),  
(4, 1, 4),  
(5, 2, 1),  
(6, 2, 2),  
(7, 2, 3),  
(8, 2, 4),  
(9, 3, 1),  
(10, 3, 2),  
(11, 3, 3),  
(12, 3, 4);
```

```
CREATE TABLE `seats_booked` (  
  `seat_book_id` int(10) UNSIGNED NOT NULL,  
  `seat_id` int(11) NOT NULL,  
  `booking_id` int(11) NOT NULL,  
  `screening_id` int(11) NOT NULL  
) ENGINE=InnoDB DEFAULT CHARSET=utf8mb4;
```

```
ALTER TABLE `booking`  
  ADD PRIMARY KEY (`booking_id`);
```

```
ALTER TABLE `employee`  
  ADD PRIMARY KEY (`employee_id`);
```

```
ALTER TABLE `movies`
```



```
ADD PRIMARY KEY (`movie_id`);
```

```
ALTER TABLE `screenings`  
ADD PRIMARY KEY (`screening_id`);
```

```
ALTER TABLE `seats`  
ADD PRIMARY KEY (`seat_id`);
```

```
ALTER TABLE `seats_booked`  
ADD PRIMARY KEY (`seat_book_id`);
```

```
ALTER TABLE `booking`  
MODIFY `booking_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,  
AUTO_INCREMENT=44;
```

```
ALTER TABLE `employee`  
MODIFY `employee_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,  
AUTO_INCREMENT=2;
```

```
ALTER TABLE `movies`  
MODIFY `movie_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,  
AUTO_INCREMENT=14;
```

```
ALTER TABLE `screenings`  
MODIFY `screening_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,  
AUTO_INCREMENT=8;
```

```
ALTER TABLE `seats`  
MODIFY `seat_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,  
AUTO_INCREMENT=13;
```

```
ALTER TABLE `seats_booked`  
MODIFY `seat_book_id` int(10) UNSIGNED NOT NULL AUTO_INCREMENT,  
AUTO_INCREMENT=89;  
COMMIT;
```