



A MICRO PROJECT REPORT ON

“Movie Seat Booking”

SUBMITTED TO

MAHARASHTRA STATE BOARD OF TECHNICAL EDUCATION, MUMBAI.

BY STUDENT OF THIRD YEAR DIPLOMA IN

COMPUTER ENGINEERING

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CERTIFICATE

This is to certify that, the project report entitled

“Movie Seat Booking”

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Project Guide

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Micro-Project Report

“Movie Seat Booking”

1.0 Rationale

Movie Seat Booking system is basically made for providing the customer's, anywhere and anytime service for booking seat in movie hall and together. Information about the movies online. The user can easily be able to know about the movies released and then make choice. It is a web-based system. The customers can book movie seats online and cancel the seat whenever they want. Staff can use the system to insert and delete data (example films released, film description) which will update the webpage. The system is to provide an alternate and convenient way for a customer to book movie seats. It is an automatic system. It releases the work load of staff. It prevents unnecessary work.

2.0 Course Outcomes Integrated

- a) Create interactive web pages using program flow control structure.
- b) Create event based web forms using JavaScript.
- c) Create interactive webpage using regular expression for validations.

3.0 Literature Review

The Movie Seat Booking is a web based platform that can be used by user at any remote location. It is cost effective and time effective. The customer can login through username and password. Customer can book seats for movie released anywhere and anytime. Speed and accuracy is the reason behind the famous of this method because speed and accuracy is the backbone of this system. For the design of the system we used interpreted programming language JavaScript for validation and booking, HTML for attractive graphical user interface (GUI), CSS for the making attractive web application. Many researchers have already researched about Movie Seat Booking System and we have developed an Movie Seat Booking system to keep an eye on this researches as areference.

- **Program Code:**

- 1. Login Page :**

```
<!DOCTYPE html>
<html lang="en">
<head>
<link rel="stylesheet" href="https://cdnjs.cloudflare.com/ajax/libs/font-
awesome/5.14.0/css/all.min.css"/>
<link rel="stylesheet" href="style2.css">
<title>MSB Login</title>
<script>
  function validateForm(){
    let userName = document.firstForm.txtName.value;
    let namePattern = /[a-zA-Z]{3}/;
    let nameResult = userName.match(namePattern);
    if(nameResult == null){
      alert("Please enter correct Username");
    }

    else{
      let userPassword = document.firstForm.txtPassword.value;
      let passwordPattern = /[a-zA-Z0-9]{6}/;
      let passwordResult = userPassword.match(passwordPattern);
      if(passwordResult == null){
        alert("Please enter atleast six characters in the password");
      }
      else{
        window.open("home.html");
      }
    }
  }
</script>
</head>
<body>
  <header class="showcase">
    <div class="logo">
      
    </div>
    <div class="showcase-content">
      <div class="formm">
```

```
<form name="firstForm">
  <h1>Log In</h1>
  <div class="info">
    <input type="text" placeholder="Username" name="txtName"
      class="email"><br>
    <input type="password" placeholder="Password"
      name="txtPassword" class = "email">
  </div>
  <div class="btn">
    <button class="btn-primary" onclick="validateForm()">Log
      In</button>
  </div>
</form>
</div>
</div>
</header>
</body>
</html>
```

2. Home Page:

```
<!DOCTYPE html>
<html>
<head>
    <meta charset="utf-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1">
    <link rel="stylesheet" href="style.css">
    <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.10.2/font/bootstrap-icons.css">

<script>
    var result;
    function myfunction(){
        window.open("booking.html");
    }

</script>
<title>MSB</title>
</head>
<body>
    <header>
        <video src="video/PATHAAN.mp4" autoplay muted loop></video>
        <nav>
            <div class="logo_ul">
                
                <ul>
                    <li>
                        <a href="home.html">Home</a>
                    </li>
                    <li>
                        <a href="#">In Theatres</a>
                    </li>
                    <li>
                        <a href="#">Coming Soon</a>
                    </li>
                    <li>
                        <a href="Login.html">Log Out</a>
                    </li>
                </ul>
            </div>
        </nav>
    </header>
</body>
</html>
```

```

    </div>
</nav>
<div class="content">
    <h1 id="title">PATHAAN</h1>
    <p>Pathaan is an upcoming Indian Hindi-language thriller film
    directed by Siddharth Anand from screenplay by Shridhar
    Raghavan and a story by Anand.</p>
    <div class="details">
        <h6>YRF</h6>
        <h5 id="gen">Action</h5>
        <h4>2023</h4>
        <h3 id="rate" ><span>IMDB</span>
        <i class="bi bi-star-fill"></i> 9.6</h3>
    </div>
    <div class="btns">
        <br>
        <input type="button" value="PRE-BOOK"
        onclick="myfunction();">
    </div>
</div>

<section>

    <h4>In Theatres</h4>
    <div class="cards">

        <a href="" class="card">
            
        <a href="" class="card">
            
        </a>
        <a href="" class="card">
            
        </a>
        <a href="" class="card">
            

```



```
        </a>
        <a href="" class="card">
            
        </a>
        <a href="" class="card">
            
        </a>
        <a href="" class="card">
            
        </a>

    </div>
</section>
</header>
</body>
</html>
```

3. Booking Page:

```
<!DOCTYPE html>
<html lang="en">
  <head>
    <meta charset="UTF-8" />
    <meta name="viewport" content="width=device-width, initial-
      scale=1.0" />
    <link rel="stylesheet" href="style1.css" />

    <title>MSB Booking</title>

  </head>
  <body>
    <div class="movie-container">

      <label>Select a movie</label>
      <select id="movie">
        <option value="500">Pathaan (500 Rs)</option>
        <option value="400">KGF 2 (400 Rs)</option>
        <option value="300">Avengers Endgame (300 Rs)</option>
        <option value="200">Bhool Bhulaiyaa 2 (200 Rs)</option>
        <option value="200">Pushpa (200 Rs)</option>
        <option value="200">SpiderMan - No Way Home (200 Rs)</option>
        <option value="200">Black Panther Wakanda Forever (200
          Rs)</option>
        <option value="200">Thor Love and Thunder(200 Rs)</option>

      </select>
    </div>

    <ul class="showcase">
      <li>
        <div class="seat"></div>
        <small>N/A</small>
      </li>
      <li>
```

```
<div class="seat selected"></div>
<small>Selected</small>
</li>
<li>
  <div class="seat occupied"></div>
  <small>Occupied</small>
</li>
</ul>
```

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

```
<div class="row">
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
</div>
```

```
<div class="row">
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat occupied"></div>
  <div class="seat occupied"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
</div>
```

```
<div class="row">
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
```

```
<div class="seat"></div>
<div class="seat"></div>
<div class="seat"></div>
<div class="seat occupied"></div>
<div class="seat occupied"></div>
</div>
```

```
<div class="row">
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
</div>
```

```
<div class="row">
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat occupied"></div>
  <div class="seat occupied"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
</div>
```

```
<div class="row">
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat"></div>
  <div class="seat occupied"></div>
  <div class="seat occupied"></div>
  <div class="seat occupied"></div>
  <div class="seat"></div>
```

```
</div>
</div>

<p class="text">
  You have selected <span id="count">0</span> seats for a price of Rs.
<span
  id="price"
  >0</span>
>
</p>
<br>

<input type="button" value="Book" class="btn"
onclick="Booking();"><br>
<input type="button" value="Back" class="btn"
onclick="window.open('home.html');">

<script src="script.js"></script>
</body>
</html>
```

- CSS for Booking Page:

```
@import
url('https://fonts.googleapis.com/css2?family=Roboto:wght@100;300&display=
swap');
*{
    padding: 0%;
    margin: 0%;
    box-sizing: border-box;
}
body{
    width: 100%;
    height: 100vh;
    background: rgb(23, 23, 23);
    font-family: 'Roboto', sans-serif;
    display: flex;
    align-items: center;
    justify-content: center;
}

header{
    position: relative;
    width: 80%;
    height: 90%;
    /* border: 1px solid #fff; */
    border-radius: 20px;
    overflow: hidden;
    box-shadow: 0px 10px 25px -8px #000;
}

header::before {
    content: "";
    position: absolute;
    width: 100%;
    height: 100%;

    opacity: .9;
```

```

        z-index: -1;
    }

    header::after {
        content: "";
        position: absolute;
        width: 100%;
        height: 100%;
        background: linear-gradient(180deg, transparent, #000);
        z-index: -1;
    }

    header video {
        position: absolute;
        width: 100%;
        height: 200%;
        top: -54%;
        z-index: -1;
    }

    header nav {
        width: 100%;
        height: 20%;
        display: flex;
        align-items: center;
        justify-content: space-between;
        padding: 0px 50px;
    }

    header nav .logo_ul {
        display: flex;
        align-items: center;
        justify-content: center;
    }

    header nav .logo_ul img{
        width: 90px;
    }

```

```
header nav .logo_ul ul{
display: flex;
align-items: center;
justify-content: center;
list-style: none;
}
```

```
header nav .logo_ul li{
padding: 3px 60px;
text-decoration: none;
}
```

```
header nav .logo_ul li a{
text-decoration: none;
color:#fff;
font-size: 16px;
font-family: Verdana, Geneva, Tahoma, sans-serif;

transition: .3s linear;
}
header nav .logo_ul li a:hover {
color:red;
}
```

```
header .content{
position: relative;
color:#fff;

padding-left: 50px;

}
```

```
header .content h1{
font-size: 40px;
}
```

```
header .content p{
font-size: 14px;
```



```

        width: 350px;
        word-break: break-all;
    }
    header .content .details{
        display: flex;
        align-items: center    ;
        margin-top: 10px;
    }
    header .content .details h6{
        color: #fff;
        font-size: 10px;
        margin-right: 10px;

    }
    header .content .details h5{
        color: lawngreen;
        font-size: 13px;
        margin-right: 10px;
    }
    header .content .details h4{
        color: #fff;
        font-size: 13px;
        margin-right: 10px;
    }
    header .content .details h3{
        color: #fff;
        display: flex;
        align-items: center;
        font-size: 13px;
    }
    header .content .details h3 span{
        background: yellow;
        color: #000;
        padding: 0px 3px;
        margin: 0px 5px 0px 10px;
        font-weight: bold;
        font-size: 12px;
    }

```

```

header .content .details h3 i{
    margin-right: 5px;
}

header section{
    position: absolute;
    width: 100%;
    height: 38%;
    padding: 0px 50px;
    bottom: 5px;
    color:#fff;
}

header section .cards{
    position: relative;
    width: 100%;
    height: 180px;
    margin-top: 10px;
    display: flex;
    align-items: center;
    overflow-x: auto ;
}

header section .cards::-webkit-scrollbar{
    display: none;
}

header section .cards .card{
    position: relative;
    min-width: 130px;
    height: 180px;
    border-radius: 8px;
    margin-right: 10px;
    background: black;
    transition: .3s linear;
}

header section .cards .card .poster{
    width: 100%;
    height: 100%;

```

```
border-radius: 8px;
position: relative;

}
```

- **External Javascript Code for Booking Page:**

```
const container = document.querySelector('.container');
const seats = document.querySelectorAll('.row .seat:not(.occupied)');
const count = document.getElementById('count');
const price = document.getElementById('price');

const movieSelect = document.getElementById('movie');
let ticketPrice = +movieSelect.value;

const populateUI = () => {
  const selectedSeats = JSON.parse(localStorage.getItem('selectedSeats'));

  if (selectedSeats !== null && selectedSeats.length > 0) {
    seats.forEach((seat, index) => {
      if (selectedSeats.indexOf(index) > -1) {
        seat.classList.add('selected');
      }
    });
  }

  const selectedMovieIndex = localStorage.getItem('selectedMovieIndex');
  const selectedMoviePrice = localStorage.getItem('selectedMoviePrice');

  if (selectedMovieIndex !== null) {
    movieSelect.selectedIndex = selectedMovieIndex;
  }

  if (selectedMoviePrice !== null) {
    count.innerText = selectedSeats.length;
    price.innerText = selectedSeats.length * +selectedMoviePrice;
  }
};
```

```
populateUI();
```

```
selectedMovie = (movieIndex, moviePrice) => {  
  localStorage.setItem('selectedMovieIndex', movieIndex);  
  localStorage.setItem('selectedMoviePrice', moviePrice);  
};
```

```
const updateSelectedSeatsCount = () => {  
  const selectedSeats = document.querySelectorAll('.row .selected');
```

```
  const seatsIndex = [...selectedSeats].map(seat => [...seats].indexOf(seat));
```

```
  localStorage.setItem('selectedSeats', JSON.stringify(seatsIndex));
```

```
  const selectedSeatsCount = selectedSeats.length;
```

```
  count.innerText = selectedSeatsCount;
```

```
  price.innerText = selectedSeatsCount * ticketPrice;
```

```
};
```

```
container.addEventListener('click', e => {
```

```
  if (
```

```
    e.target.classList.contains('seat') &&
```

```
    !e.target.classList.contains('occupied')
```

```
  ) {
```

```
    e.target.classList.toggle('selected');
```

```
    updateSelectedSeatsCount();
```

```
  }
```

```
});
```

```
movieSelect.addEventListener('change', e => {
```

```
  ticketPrice = +e.target.value;
```

```
  selectedMovie(e.target.selectedIndex, e.target.value);
```

```

        updateSelectedSeatsCount();
    });

    function Booking(){
        if (count.innerHTML > 0){
            alert("Seats Booked !!!");

        }
        else{
            alert("Oops !! You have'nt Selected Seats")
        }
    }
}

```

- **Action Plan**

S. No.	Details of activity	Planned Start date	Planned Finish date	Name of Responsible Team Members
1	Gathering Basic Information	27/09/2022	10/10/2022	By All Team Members.
2	Preparing Proposal	11/10/2022	21/10/2022	By All Team Members.
3	Programming	22/10/2022	23/11/2022	By All Team Members.
4	Preparing detailed Report.	24/11/2022	27/11/2022	By All Team Members.
5	Submission of the report.	28/11/2022	28/11/2022	By All Team Members

4.0 Actual Procedure Followed.

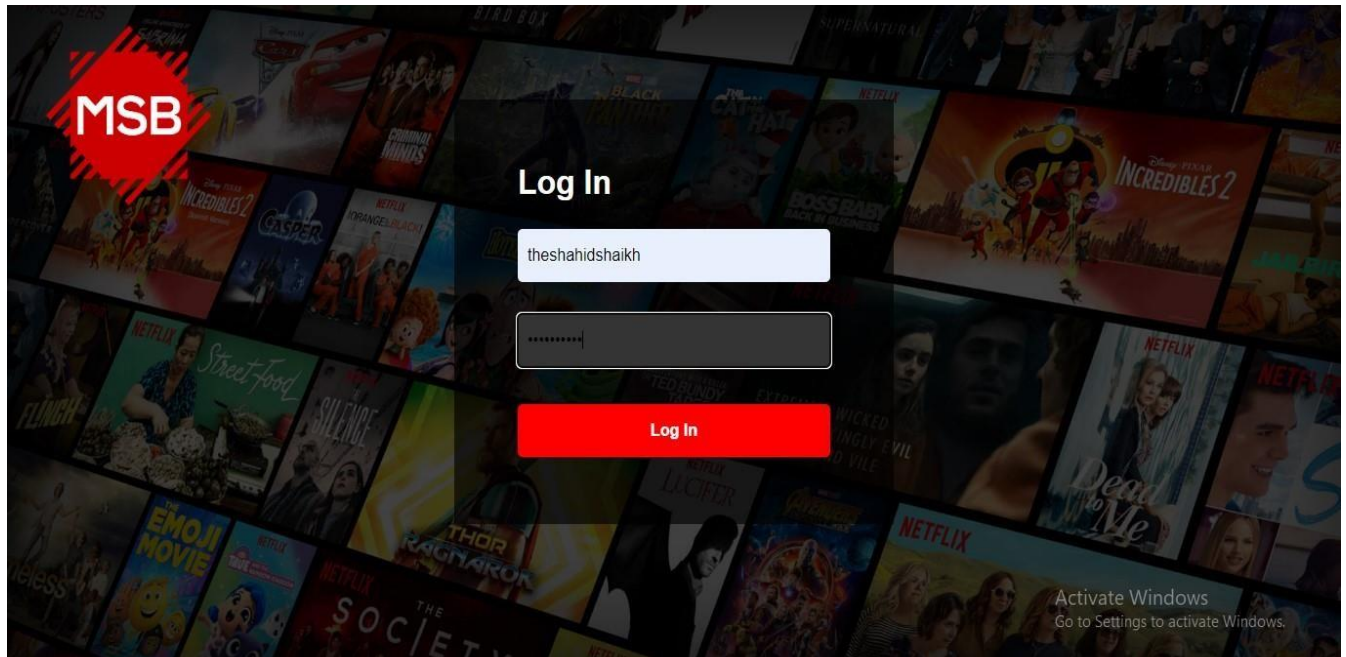
- After getting confirmation of our project's title, we discussed the ideas related to our project.
- Then we searched the information that what can we do in our project.
- Necessary information was provided by Gaurav Tanpure.
- Shahid Shaikh developed the code and debugged the errors in the Code.
- After created the code, we gained the outputs successfully.
- Abhijeet Gaikwad and Jayesh Dudhade organized the information and outputs in proper manner.
- Shahid Shaikh and Karan Sathe were working to complete the report and the proposal of our microproject.
- So, by contribution of all the members in our group, we successfully completed our CSS micro-project.

5.0 Actual Resources Used

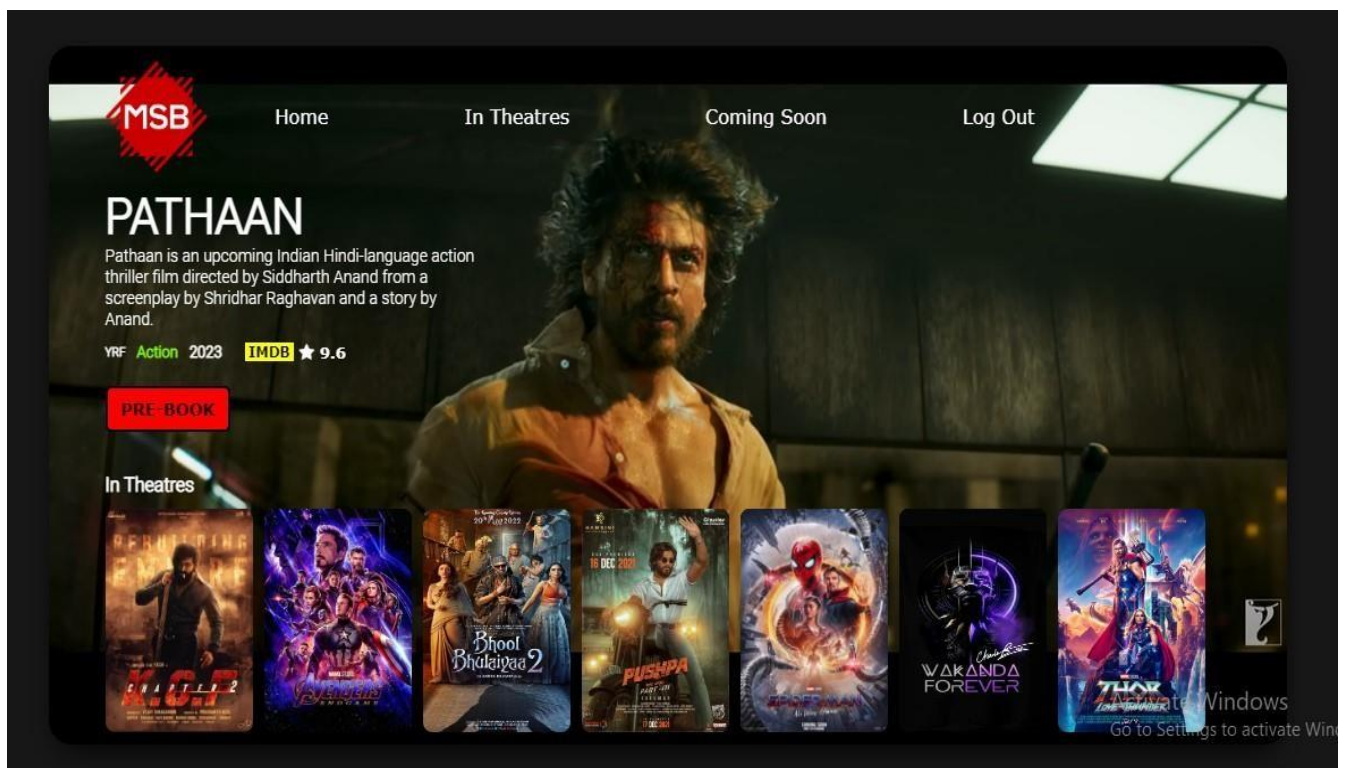
S. No.	Name of Resource/material	Specifications	Qty	Remarks
1	Operating System	Windows 10	1	-
2	Software	Notepad++	1	-
3	Search Engine	Google	1	-

6.0 Outputs of the Micro-Projects

1. Login Page



2. Home Page:



3. Booking Page:



7.0 Skill Developed / learning out of this Micro-Project

- Able to design and develop HTML Program code using JavaScript.
- To debug errors while developing the code.
- We gained lot of knowledge and experience about web designing.
- We developed confidence for self-education.
- Improved our skills regarding HTML and JavaScript programs.

8.0 Applications of this Micro - Project:

- Establish an efficient way to promote the film on the internet.
- It minimize the number of staff at the ticket box.
- To increase the profit and obtain information from the booking statistical record.
- To provide an anytime, anywhere service for the customers to book their movie seat.

9.0 Area of Future Improvement

- To provide more security in application.
- To add more modules in the system.
- To provide more protection for safe booking.
- To provide more flexibility to customers.
- To store the data of each user.
