BCSE203E-Web Programming Lab

IPS-09

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**HTML code:**

<!DOCTYPE html>

<html>

<head>

<title>Movie Ticket Reservation</title>

<link rel="stylesheet" href="ips9\_styles.css">

</head>

<body>

<div id="rs">

<div id="ms">

<label for="movies">Choose a movie:</label>

<select id="movies">

<option value="movie1">Spiderman No Way Home</option>

<option value="movie2">Avengers Endgame</option>

<option value="movie3">Thor Love and Thunder</option>

</select>

</div>

<div id="tq">

<label for="tickets">Number of tickets:</label>

<input type="number" id="tickets" min="1" max="10">

</div>

<div id="ss">

</div>

<form id="p">

<input type="text" id="name" placeholder="Your Name">

<input type="email" id="email" placeholder="Your Email">

<input type="tel" id="phone" placeholder="Your Phone Number">

<button type="submit">Confirm Reservation</button>

</form>

</div>

<script src="ips9\_js.js"></script>

</body>

</html>

CSS code:

body {

font-family: sans-serif;

display: flex;

justify-content: center;

align-items: center;

background-color: #1a1a2e;

color: #fff;

height: 100vh;

}

#rs {

background-color: #16213e;

padding: 20px;

border-radius: 8px;

}

#ms, #tq, #ss, #p {

margin-bottom: 20px;

}

#ss {

display: grid;

grid-template-columns: repeat(20, 20px);

grid-template-rows: repeat(20, 20px);

gap: 5px;

}

.seat {

width: 20px;

height: 20px;

background-color: #0f3460;

cursor: pointer;

border-radius: 4px;

}

.seat.selected {

background-color: #e94560;

}

input[type="text"], input[type="email"], input[type="tel"], select, input[type="number"] {

width: 100%;

padding: 10px;

margin: 5px 0 20px 0;

display: inline-block;

border: 1px solid #4ecca3;

background-color: #0f3460;

color: #ffffff;

border-radius: 4px;

box-sizing: border-box;

}

button[type="submit"] {

width: 100%;

background-color: #e94560;

color: white;

padding: 14px 20px;

margin: 8px 0;

border: none;

border-radius: 4px;

cursor: pointer;

transition: background-color 0.3s ease;

}

button[type="submit"]:hover {

background-color: #f57190;

}

**JavaScript:**

document.addEventListener('DOMContentLoaded', function() {

var ss = document.getElementById('ss');

var submit = document.querySelector('button[type="submit"]');

var form = document.getElementById('p');

var movies = document.getElementById('movies');

var seats = {

movie1: { rows: 17, columns: 17 },

movie2: { rows: 12, columns: 9 },

movie3: { rows: 17, columns: 7 }

};

function generateSeats(movie) {

ss.innerHTML = '';

var rows = seats[movie].rows;

var columns = seats[movie].columns;

ss.style.gridTemplateColumns = `repeat(${columns}, 20px)`;

ss.style.gridTemplateRows = `repeat(${rows}, 20px)`;

function toggleSeatSelection(seat) {

seat.classList.toggle('selected');

}

for (var i = 0; i < rows \* columns; i++) {

var seat = document.createElement('div');

seat.classList.add('seat');

seat.addEventListener('click', function() {

toggleSeatSelection(this);

});

ss.appendChild(seat);

}

}

generateSeats(movies.value);

movies.addEventListener('change', function() {

generateSeats(this.value);

});

var tq = document.getElementById('tickets');

tq.addEventListener('change', function() {

if (tq.value <= 0) alert("Please enter a valid number of seats");

});

form.addEventListener('submit', function() {

var name = document.getElementById('name').value;

var email = document.getElementById('email').value;

var phone = document.getElementById('phone').value;

if (name === '' || email === '' || phone === '') {

alert('Please fill out all fields.');

return;

}

const regex = /^[^\s@]+@[^\s@]+\.[^\s@]+$/;

if (!regex.test(email)) {

alert('Please enter a valid email.');

return;

}

if (phone.length != 10 || isNaN(phone) || phone < 0) {

alert('Please enter a valid phone number.');

return;

}

alert('Reservation Confirmed!');

});

});

**Output:**











