BACKEND

// server.js

const express = require('express');

const bodyParser = require('body-parser');

const app = express();

const PORT = process.env.PORT || 3000;

app.use(bodyParser.json());

// Dummy data for halls

let halls = [

{ id: 1, name: 'Hall A', capacity: 100, booked: false },

{ id: 2, name: 'Hall B', capacity: 50, booked: false },

// Add more halls as needed

];

// Endpoint to get all halls

app.get('/halls', (req, res) => {

res.json(halls);

});

// Endpoint to book a hall

app.post('/book', (req, res) => {

const { hallId, date, startTime, endTime, eventName } = req.body;

// Dummy logic for booking a hall (assuming no conflicts)

const hall = halls.find(hall => hall.id === hallId);

if (!hall) {

return res.status(404).json({ error: 'Hall not found' });

}

hall.booked = true;

res.json({ message: 'Booking successful', bookedHall: hall });

});

app.listen(PORT, () => {

console.log(`Server is running on http://localhost:${PORT}`);

});

FORNTEND

<!-- index.html -->

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<meta name="viewport" content="width=device-width, initial-scale=1.0">

<title>Hall Booking System</title>

</head>

<body>

<h1>Hall Booking System</h1>

<div id="hallList"></div>

<script>

// Fetch halls from backend

fetch('/halls')

.then(response => response.json())

.then(halls => {

const hallList = document.getElementById('hallList');

halls.forEach(hall => {

const hallDiv = document.createElement('div');

hallDiv.innerHTML = `

<p>${hall.name} - Capacity: ${hall.capacity}</p>

<button onclick="bookHall(${hall.id})">Book</button>

`;

hallList.appendChild(hallDiv);

});

})

.catch(error => console.error('Error fetching halls:', error));

// Function to book a hall

function bookHall(hallId) {

const bookingData = {

hallId: hallId,

date: '2024-05-16', // Example date

startTime: '10:00', // Example start time

endTime: '12:00', // Example end time

eventName: 'Example Event' // Example event name

};

fetch('/book', {

method: 'POST',

headers: {

'Content-Type': 'application/json'

},

body: JSON.stringify(bookingData)

})

.then(response => response.json())

.then(data => {

alert(data.message);

})

.catch(error => console.error('Error booking hall:', error));

}

</script>

</body>

</html>