<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8" />

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

<title>Dynamic Calendar with Reservation</title>

<style>

body {

font-family: Arial, sans-serif;

background-color: #f7f7f7;

display: flex;

flex-direction: column;

align-items: center;

margin: 0;

padding: 0;

}

.calendar {

width: 90%;

max-width: 600px;

background: #fff;

border-radius: 10px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

overflow: hidden;

margin-top: 20px;

}

.calendar-header {

background-color: #007bff;

color: white;

padding: 15px;

text-align: center;

display: flex;

justify-content: space-between;

align-items: center;

}

.calendar-header h1 {

margin: 0;

font-size: 1.5rem;

}

.calendar-header button {

background: none;

border: none;

color: white;

font-size: 1.2rem;

cursor: pointer;

}

.calendar-days {

display: grid;

grid-template-columns: repeat(7, 1fr);

background: #e9ecef;

padding: 10px 0;

}

.calendar-days div {

text-align: center;

font-weight: bold;

color: #495057;

}

.calendar-grid {

display: grid;

grid-template-columns: repeat(7, 1fr);

padding: 10px;

}

.calendar-grid div {

height: 80px;

display: flex;

justify-content: center;

align-items: center;

border: 1px solid #e9ecef;

cursor: pointer;

transition: background-color 0.3s ease;

}

.calendar-grid div:hover {

background-color: #f1f1f1;

}

.calendar-grid div.empty {

background-color: #f7f7f7;

border: none;

cursor: default;

}

.modal {

position: fixed;

top: 0;

left: 0;

width: 100%;

height: 100%;

background: rgba(0, 0, 0, 0.5);

display: flex;

justify-content: center;

align-items: center;

visibility: hidden;

opacity: 0;

transition: opacity 0.3s ease, visibility 0.3s ease;

}

.modal.active {

visibility: visible;

opacity: 1;

}

.modal-content {

background: #fff;

padding: 20px;

border-radius: 10px;

width: 90%;

max-width: 500px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

}

.modal-content h2 {

margin-top: 0;

}

.modal-content label {

display: block;

margin-bottom: 5px;

font-weight: bold;

}

.modal-content input,

.modal-content textarea {

width: 100%;

padding: 10px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 5px;

}

.modal-content button {

padding: 10px 20px;

background-color: #007bff;

color: white;

border: none;

border-radius: 5px;

cursor: pointer;

}

.modal-content button:hover {

background-color: #0056b3;

}

</style>

</head>

<body>

<div class="calendar">

<div class="calendar-header">

<button id="prevMonth">&#9664;</button>

<h1 id="monthYear"></h1>

<button id="nextMonth">&#9654;</button>

</div>

<div class="calendar-days">

<div>Sun</div>

<div>Mon</div>

<div>Tue</div>

<div>Wed</div>

<div>Thu</div>

<div>Fri</div>

<div>Sat</div>

</div>

<div class="calendar-grid" id="calendarGrid"></div>

</div>

<div class="modal" id="reservationModal">

<div class="modal-content">

<h2>Reserve Button Maker</h2>

<label for="name">Name:</label>

<input type="text" id="name" required />

<label for="email">Email:</label>

<input type="email" id="email" required />

<label for="phone">Phone Number:</label>

<input type="text" id="phone" required />

<label for="pickup">Pickup Date & Time:</label>

<input type="datetime-local" id="pickup" required />

<label for="return">Return Date & Time:</label>

<input type="datetime-local" id="return" required />

<div>

<input type="checkbox" id="terms" required />

<label for="terms">I agree to the terms and conditions.</label>

</div>

<div>

<input type="checkbox" id="consent" required />

<label for="consent"

>I understand my information is being used for University of

Wisconsin-Madison Libraries purposes.</label

>

</div>

<button onclick="submitReservation()">Submit</button>

<button onclick="closeModal()">Cancel</button>

</div>

</div>

<script>

const monthYear = document.getElementById("monthYear");

const calendarGrid = document.getElementById("calendarGrid");

const prevMonthBtn = document.getElementById("prevMonth");

const nextMonthBtn = document.getElementById("nextMonth");

const reservationModal = document.getElementById("reservationModal");

let currentDate = new Date();

function renderCalendar() {

calendarGrid.innerHTML = "";

const year = currentDate.getFullYear();

const month = currentDate.getMonth();

const firstDayOfMonth = new Date(year, month, 1).getDay();

const daysInMonth = new Date(year, month + 1, 0).getDate();

monthYear.textContent = currentDate.toLocaleDateString("en-US", {

year: "numeric",

month: "long",

});

for (let i = 0; i < firstDayOfMonth; i++) {

const emptyCell = document.createElement("div");

emptyCell.classList.add("empty");

calendarGrid.appendChild(emptyCell);

}

for (let day = 1; day <= daysInMonth; day++) {

const dateCell = document.createElement("div");

dateCell.textContent = day;

dateCell.addEventListener("click", () => openReservationModal(day));

calendarGrid.appendChild(dateCell);

}

}

function openReservationModal(day) {

reservationModal.classList.add("active");

}

function closeModal() {

reservationModal.classList.remove("active");

}

function submitReservation() {

alert("Reservation submitted!");

closeModal();

}

prevMonthBtn.addEventListener("click", () => {

currentDate.setMonth(currentDate.getMonth() - 1);

renderCalendar();

});

nextMonthBtn.addEventListener("click", () => {

currentDate.setMonth(currentDate.getMonth() + 1);

renderCalendar();

});

renderCalendar();

</script>

</body>

</html>