**REG NO. : 41242205009**

**NAME : AKASH RAJ L**

**SOURCE CODE :**

**parking.html**

<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Parking Management System</title>

<link rel="stylesheet" href="styles.css">

</head>

<body>

<div class="container">

<h1>Parking Management System</h1>

<form id="parkingForm" onsubmit="return validateForm()">

<div class="form-group">

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

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

</div>

<div class="form-group">

<label for="age">Age:</label>

<select id="age" name="age" required>

<option value="">Select Age</option>

<!-- Generate options for age -->

<script>

for (let i = 18; i <= 100; i++) {

document.write(`<option value="${i}">${i}</option>`);

}

</script>

</select>

</div>

<div class="form-group">

<label for="contact">Contact Number:</label>

<input type="number" id="contact" name="contact" required>

</div>

<div class="form-group">

<label for="email">Mail ID:</label>

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

</div>

<div class="form-group">

<label for="vehicleModel">Vehicle Model:</label>

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

</div>

<div class="form-group">

<label for="vehicleType">Vehicle Type:</label>

<div class="radio-group">

<label><input type="radio" name="vehicleType" value="car" required> Car</label>

<label><input type="radio" name="vehicleType" value="bike" required> Bike</label>

<label><input type="radio" name="vehicleType" value="truck" required> Truck</label>

</div>

</div>

<div class="form-group">

<label for="parkingTimeFrom">Parking Time From:</label>

<input type="datetime-local" id="parkingTimeFrom" name="parkingTimeFrom" required>

</div>

<div class="form-group">

<label for="parkingTimeTo">Parking Time To:</label>

<input type="datetime-local" id="parkingTimeTo" name="parkingTimeTo" required>

</div>

<div class="form-group">

<label for="parkingFee">Parking Fee:</label>

<input type="number" id="parkingFee" name="parkingFee" required>

</div>

<button type="submit">Submit</button>

</form>

</div>

<script src="script.js"></script>

</body>

</html>

**styles.css**

body {

font-family: Arial, sans-serif;

background-image: url('background.jpg');

background-size: cover;

background-position: center;

margin: 0;

padding: 0;

}

.container {

width: 50%;

margin: 5% auto;

padding: 20px;

background-color: rgba(255, 255, 255, 0.8);

border-radius: 20px;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.5);

}

.form-group {

margin-bottom: 15px;

}

label {

display: block;

margin-bottom: 5px;

}

input[type="text"], input[type="number"], input[type="email"], select, input[type="datetime-local"] {

width: 100%;

padding: 8px;

box-sizing: border-box;

border: 1px solid #ccc;

border-radius: 15px;

}

.radio-group {

display: flex;

justify-content: space-between;

}

.radio-group input {

margin-right: 5px;

}

.radio-group label {

margin-right: 20px;

}

button {

padding: 10px 20px;

background-color: #4CAF50;

color: white;

border: none;

border-radius: 15px;

cursor: pointer;

}

button:hover {

background-color: #45a049;

}

**script.js**

function validateForm() {

const form = document.getElementById('parkingForm');

// Validate name: should not contain numbers

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

if (/\d/.test(name)) {

alert('Name should not contain numbers.');

return false;

}

// Validate email format: basic email pattern check

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

const emailPattern = /^[a-zA-Z0-9.\_-]+@[a-zA-Z0-9.-]+\.[a-zA-Z]{2,6}$/;

if (!emailPattern.test(email)) {

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

return false;

}

// Validate parking time: "To" must be after "From"

const parkingTimeFrom = document.getElementById('parkingTimeFrom').value;

const parkingTimeTo = document.getElementById('parkingTimeTo').value;

if (new Date(parkingTimeFrom) >= new Date(parkingTimeTo)) {

alert('Parking time "To" must be after "From" time.');

return false;

}

// Check if terms and conditions checkbox is checked

const terms = document.getElementById('terms').checked;

if (!terms) {

alert('You must agree to the terms and conditions.');

return false;

} return true; }





