<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

<title>Student Grading System</title>

<style>

body {

background-image:url("https://media.istockphoto.com/id/172413295/photo/an-up-close-picture-of-report-card-grades.jpg?s=612x612&w=0&k=20&c=d95S74oUPLZA98yn6QKG0-6OEbgAqgroKzQWH5GxwKA=");

background-size: cover;

font-family: Arial, sans-serif;

padding: 20px;

background-color: #f2f2f2;

align-items: center;

justify-content: center;

}

.container {

background-color: #fff;

padding:50px;

border-radius: 10px;

max-width: 500px;

margin: auto;

box-shadow: 0 0 10px rgba(0, 0, 0, 0.1);

}

h2 {

text-align: center;

color: #333;

}

label {

display: block;

margin: 10px 0 5px;

}

input {

width: 100%;

padding: 8px;

margin-bottom: 15px;

border: 1px solid #ccc;

border-radius: 5px;

}

button {

width: 100%;

padding: 10px;

background-color: #4CAF50;

color: white;

border: none;

border-radius: 5px;

cursor: pointer;

}

button:hover {

background-color:green;

}

.result {

margin-top: 20px;

font-weight: normal;

}

</style>

</head>

<body>

<div class="container">

<h2>Student Grading System</h2>

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

<input type="text" id="name" placeholder="Enter student name">

<label for="subject1">Subject 1 Marks:</label>

<input type="number" id="subject1" placeholder="Enter marks out of 100">

<label for="subject2">Subject 2 Marks:</label>

<input type="number" id="subject2" placeholder="Enter marks out of 100">

<label for="subject3">Subject 3 Marks:</label>

<input type="number" id="subject3" placeholder="Enter marks out of 100">

<label for="subject4">Subject 4 Marks:</label>

<input type="number" id="subject4" placeholder="Enter marks out of 100">

<label for="subject5">Subject 5 Marks:</label>

<input type="number" id="subject5" placeholder="Enter marks out of 100">

<button onclick="calculateGrade()">Calculate Grade</button>

<div class="result" id="result"></div>

</div>

<script>

function calculateGrade() {

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

const subjects = [

parseFloat(document.getElementById('subject1').value),

parseFloat(document.getElementById('subject2').value),

parseFloat(document.getElementById('subject3').value),

parseFloat(document.getElementById('subject4').value),

parseFloat(document.getElementById('subject5').value)

];

const resultDiv = document.getElementById('result');

// Validation

if (!name || subjects.some(mark => isNaN(mark) || mark < 0 || mark > 100)) {

resultDiv.innerHTML = "⚠️ Please enter a valid name and marks (0-100) for all subjects.";

resultDiv.style.color = 'red';

return;

}

const total = subjects.reduce((sum, mark) => sum + mark, 0);

const average = total / subjects.length;

let grade;

if (average >= 90) grade = 'A+';

else if (average >= 80) grade = 'A';

else if (average >= 70) grade = 'B';

else if (average >= 60) grade = 'C';

else if (average >= 50) grade = 'D';

else grade = 'F';

resultDiv.style.color = 'black';

resultDiv.innerHTML = `

<strong>${name}</strong><br>

Total Marks: ${total} / 500<br>

Average: ${average.toFixed(2)}<br>

Grade: <strong>${grade}</strong>

`;

}

</script>

</body>

</html>