<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Document</title>

<style>

body {

font-family: Arial, sans-serif;

display: flex;

justify-content: center;

align-items: center;

height: 100vh;

margin: 0;

}

button {

padding: 10px 20px;

margin: 10px;

font-size: 16px;

background-color: #4CAF50;

color: white;

border: none;

border-radius: 4px;

cursor: pointer;

transition: background-color 0.3s ease;

}

button:hover {

background-color: #45a049;

}

button:focus {

outline: none;

}

#fileFormat {

margin-top: 20px;

}

#resultTable {

margin-top: 20px;

border-collapse: collapse;

}

#resultTable th, #resultTable td {

border: 1px solid #ddd;

padding: 8px;

text-align: left;

}

</style>

</head>

<body>

<button id="selectFileBtn">Select File</button>

<button id="submitBtn">Submit</button>

<div id="fileFormat"></div>

<table id="resultTable">

<thead>

<tr>

<th>Student Name</th>

<th>Roll Number</th>

<th>Average Marks</th>

</tr>

</thead>

<tbody id="resultBody"></tbody>

</table>

<input type="file" accept=".xlsx, .xls" id="fileInput" style="display:none;">

<script>

document.getElementById("selectFileBtn").addEventListener("click", function() {

document.getElementById("fileInput").click();

});

document.getElementById("submitBtn").addEventListener("click", function() {

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

const selectedFile = fileInput.files[0];

if (selectedFile) {

const reader = new FileReader();

reader.onload = function(e) {

const data = new Uint8Array(e.target.result);

const workbook = XLSX.read(data, { type: 'array' });

const sheetName = workbook.SheetNames[0];

const sheet = workbook.Sheets[sheetName];

const jsonData = XLSX.utils.sheet\_to\_json(sheet);

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

resultBody.innerHTML = '';

let totalMarks = 0;

let totalStudents = 0;

jsonData.forEach((row, index) => {

const marks = Object.values(row);

const studentName = row["Student Name"];

const rollNumber = row["Roll Number"];

const averageMark = marks.reduce((acc, val) => {

if (!isNaN(val)) { // Check if the value is a number

totalMarks += val;

totalStudents++;

return acc + val;

} else {

return acc;

}

}, 0) / marks.length;

const newRow = document.createElement("tr");

newRow.innerHTML = `<td>${studentName}</td><td>${rollNumber}</td><td>${averageMark.toFixed(2)}</td>`;

resultBody.appendChild(newRow);

});

const overallAverageMark = totalMarks / totalStudents;

console.log("Overall Average Mark:", overallAverageMark.toFixed(2));

// Create a new workbook

const wb = XLSX.utils.book\_new();

// Convert student data to a worksheet

const ws = XLSX.utils.json\_to\_sheet(jsonData);

// Add the worksheet to the workbook

XLSX.utils.book\_append\_sheet(wb, ws, "Students");

// Save the workbook as an Excel file

XLSX.writeFile(wb, "students\_data.xlsx");

};

reader.readAsArrayBuffer(selectedFile);

} else {

alert("Please select a file.");

}

});

document.getElementById("fileInput").addEventListener("change", function() {

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

const fileFormatDiv = document.getElementById("fileFormat");

const selectedFile = fileInput.files[0];

if (selectedFile) {

fileFormatDiv.textContent = "Selected file format: " + selectedFile.type;

} else {

fileFormatDiv.textContent = "";

}

});

</script>

<script src="https://cdnjs.cloudflare.com/ajax/libs/xlsx/0.16.9/xlsx.full.min.js"></script>

</body>

</html>