<!DOCTYPE html>

<html>

<head>

<title>Tender Evaluation Calculator</title>

<style>

body { font-family: Arial, sans-serif; max-width: 1200px; margin: 0 auto; padding: 20px; }

.winner { background-color: lightgreen; font-weight: bold; }

.logo { text-align: center; font-size: 24px; font-weight: bold; margin-bottom: 20px; }

.approver-section { text-align: left; margin-top: 20px; }

table { width: 100%; border-collapse: collapse; margin-top: 20px; }

th, td { border: 1px solid black; padding: 8px; text-align: center; }

.signature-section { margin-top: 20px; }

.winner-arrow { font-size: 20px; color: green; font-weight: bold; }

.input-section { margin: 20px 0; background: #f5f5f5; padding: 15px; border-radius: 5px; }

.tender-input-row { margin: 10px 0; display: flex; gap: 10px; }

.tender-input-row input { padding: 5px; }

button { padding: 8px 15px; cursor: pointer; background: #4CAF50; color: white; border: none; border-radius: 3px; }

button:hover { background: #45a049; }

.remove-btn { background: #f44336; }

.clear-btn { background: #ff9800; }

.remove-btn:hover { background: #da190b; }

.clear-btn:hover { background: #e68900; }

</style>

<script>

let calculationMethod = "80/20";

function generateBBBEEOptions() {

return Array.from({length: 9}, (\_, i) =>

`<option value="${i+1}">Level ${i+1}</option>`

).join('');

}

function setCalculationMethod(method) {

calculationMethod = method;

document.getElementById("selectedMethod").innerText = `Selected Method: ${method}`;

}

function addTenderer() {

const container = document.getElementById("tendererInputs");

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

newRow.className = "tender-input-row";

newRow.innerHTML = `

<input type="text" placeholder="Company Name" class="name">

<input type="number" placeholder="Financial Offer (ZAR)" class="offer">

<select class="bbbeeLevel">${generateBBBEEOptions()}</select>

<button class="remove-btn" onclick="this.parentElement.remove()">Remove</button>

`;

container.appendChild(newRow);

}

function getBBBEEPoints(level) {

const bbbeePointsMap = {

"80/20": { 1: 20, 2: 18, 3: 14, 4: 12, 5: 8, 6: 6, 7: 4, 8: 2, 9: 0 },

"90/10": { 1: 10, 2: 9, 3: 6, 4: 5, 5: 4, 6: 3, 7: 2, 8: 1, 9: 0 }

};

return bbbeePointsMap[calculationMethod][level] || 0;

}

function calculateTender() {

let rows = document.querySelectorAll(".tender-input-row");

if (rows.length === 0) {

alert("Please add tenderers before calculating.");

return;

}

let tenders = [];

let priceWeight = calculationMethod === "80/20" ? 80 : 90;

rows.forEach(row => {

let name = row.querySelector(".name").value || "Unknown";

let offer = parseFloat(row.querySelector(".offer").value) || 0;

let bbbeeLevel = parseInt(row.querySelector(".bbbeeLevel").value) || 1;

let bbbeePoints = getBBBEEPoints(bbbeeLevel);

tenders.push({ name, offer, bbbeeLevel, bbbeePoints });

});

let lowestPrice = Math.min(...tenders.map(t => t.offer));

tenders.forEach(tender => {

tender.comparativeOffer = lowestPrice;

tender.pointsForPrice = (lowestPrice / tender.offer) \* priceWeight;

tender.totalPoints = tender.pointsForPrice + tender.bbbeePoints;

});

tenders.sort((a, b) => b.totalPoints - a.totalPoints);

let winner = tenders[0];

let resultTable = document.getElementById("resultTable");

resultTable.innerHTML = `<tr><th>Rank</th><th>Name</th><th>Financial Offer (ZAR)</th><th>Comparative Offer (ZAR)</th>

<th>Points for Price</th><th>BBBEE Level</th><th>BBBEE Points</th><th>Total Points</th></tr>`;

tenders.forEach((tender, index) => {

let row = `<tr class="${index === 0 ? 'winner' : ''}">

<td>${index + 1}</td>

<td>${tender.name}</td>

<td>ZAR ${tender.offer.toLocaleString()}</td>

<td>ZAR ${tender.comparativeOffer.toLocaleString()}</td>

<td>${tender.pointsForPrice.toFixed(2)}</td>

<td>${tender.bbbeeLevel}</td>

<td>${tender.bbbeePoints}</td>

<td>${tender.totalPoints.toFixed(2)}</td>

</tr>`;

resultTable.innerHTML += row;

});

document.getElementById("winnerSummary").innerHTML = `

<span class="winner-arrow">&#10140;</span> Winner: ${winner.name}, Total Points: ${winner.totalPoints.toFixed(2)}`;

}

function clearForm() {

calculationMethod = "80/20";

document.getElementById("selectedMethod").innerText = "Selected Method: 80/20";

document.getElementById("resultTable").innerHTML = "";

document.getElementById("winnerSummary").innerHTML = "";

const container = document.getElementById("tendererInputs");

container.innerHTML = `

<div class="tender-input-row">

<input type="text" placeholder="Company Name" class="name">

<input type="number" placeholder="Financial Offer (ZAR)" class="offer">

<select class="bbbeeLevel">${generateBBBEEOptions()}</select>

<button class="remove-btn" onclick="this.parentElement.remove()">Remove</button>

</div>`;

}

// Initialize first row on page load

document.addEventListener('DOMContentLoaded', function() {

const initialSelect = document.querySelector('.bbbeeLevel');

if (initialSelect) {

initialSelect.innerHTML = generateBBBEEOptions();

}

});

</script>

</head>

<body>

<div class="logo">Company Logo</div>

<h2>Tender Evaluation Calculator</h2>

<div class="input-section">

<p id="selectedMethod">Selected Method: 80/20</p>

<button onclick="setCalculationMethod('80/20')">Use 80/20</button>

<button onclick="setCalculationMethod('90/10')">Use 90/10</button>

<button onclick="addTenderer()">Add Tenderer</button>

<button onclick="calculateTender()">Calculate Results</button>

<button class="clear-btn" onclick="clearForm()">Clear All</button>

<div id="tendererInputs" class="input-container">

<div class="tender-input-row">

<input type="text" placeholder="Company Name" class="name">

<input type="number" placeholder="Financial Offer (ZAR)" class="offer">

<select class="bbbeeLevel"></select>

<button class="remove-btn" onclick="this.parentElement.remove()">Remove</button>

</div>

</div>

</div>

<h3>Results:</h3>

<table id="resultTable"></table>

<p id="winnerSummary"></p>

<div class="signature-section">

<p>Compiled by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</p>

<p>Occupation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</p>

<p>Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</p>

<p class="approver-section">Approved by: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</p>

<p>Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_</p>

</div>

<h3>About the Preference Point System:</h3>

<p><strong>80/20 System:</strong> For tenders below R50 million, price accounts for 80 points and BBBEE for 20 points.</p>

<p><strong>90/10 System:</strong> For tenders above R50 million, price accounts for 90 points and BBBEE for 10 points.</p>

</body>

</html>