<!DOCTYPE html>

<html lang="en">

<head>

<meta charset="UTF-8">

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

<title>Annual Leave Calculator</title>

<style>

.result-row {

margin: 15px 0;

padding: 10px;

background-color: #f5f5f5;

border-radius: 4px;

}

body {

font-family: Arial, sans-serif;

margin: 0;

padding: 20px;

min-height: 100vh;

box-sizing: border-box;

}

h1 {

text-align: center;

}

label {

display: block;

margin: 15px 0 8px;

font-size: 1.1rem;

}

input {

width: 100%;

padding: 12px;

margin-bottom: 15px;

font-size: 1rem;

}

button {

width: 100%;

padding: 12px;

font-size: 1rem;

background-color: #e0e0e0;

color: #333;

border: none;

border-radius: 5px;

cursor: pointer;

}

button:hover {

background-color: #bdbdbd;

}

.result {

margin-top: 30px;

padding: 20px;

background-color: #f5f5f5;

border-radius: 5px;

font-size: 1.1rem;

}

.result h3 {

margin-top: 0;

color: #333;

}

.result p {

margin: 8px 0;

}

.result hr {

border: 0;

height: 1px;

background-color: #ddd;

margin: 10px 0;

}

</style>

</head>

<body>

<div style="max-width: 800px; margin: 0 auto;">

<h1 style="font-size: 2.5rem; margin-bottom: 30px;">Annual Leave Calculator</h1>

<div id="step1">

<label for="employeeName">Enter Employee's Full Name:</label>

<input type="text" id="employeeName" placeholder="Enter full name" required>

<div style="display: flex; gap: 10px;">

<button onclick="promptTerminationDate()" style="flex: 1;">Next</button>

</div>

</div>

<div id="step2" style="display: none;">

<label id="terminationLabel" for="terminationDate"></label>

<input type="date" id="terminationDate" required>

<div style="display: flex; gap: 10px;">

<button onclick="setPreviousStep('step1')" style="flex: 1;">Back</button>

<button onclick="calculateDaysWorked()" style="flex: 1;">Calculate Days Worked</button>

</div>

</div>

<div id="step3" style="display: none;">

<div class="result-row">

<p>Total annual leave entitlement (E): <span id="entitlementOutput"></span> days</p>

</div>

<label for="annualLeaveTaken">Total annual leave taken (T) (days):</label>

<input type="number" id="annualLeaveTaken" placeholder="Enter total leave taken" step="0.5" min="0" required>

<label for="carryForward">Total carry forward from previous year (C) (days):</label>

<input type="number" id="carryForward" placeholder="Enter carry forward days" step="0.5" min="0" required>

<label>Did you use any carried-over leave before 1 April 2025?</label>

<div style="display: flex; gap: 10px; margin: 5px 0 15px;">

<button id="usedCarryYesBtn" type="button" style="flex: 1; background-color: #4CAF50; color: white;">Yes</button>

<button id="usedCarryNoBtn" type="button" style="flex: 1; background-color: #f44336; color: white;">No</button>

</div>

<div id="carriedUsedDiv" style="display: none;">

<label for="daysUsedBeforeApr">Days used before 1 April 2025:</label>

<input type="number" id="daysUsedBeforeApr" placeholder="Enter days used" step="0.5" min="0">

</div>

<div style="display: flex; gap: 10px;">

<button onclick="setPreviousStep('step2')" style="flex: 1;">Back</button>

<button onclick="calculateOutstandingLeave()" style="flex: 1;">Calculate Outstanding Leave</button>

</div>

</div>

<div class="result" id="result" style="display: none;"></div>

</div>

<script>

let annualLeaveEntitlement = 0;

let employeeName = '';

function setPreviousStep(prevStep) {

// Hide all steps

document.getElementById('step1').style.display = 'none';

document.getElementById('step2').style.display = 'none';

document.getElementById('step3').style.display = 'none';

document.getElementById('result').style.display = 'none';

// Show the requested step

document.getElementById(prevStep).style.display = 'block';

}

let usedCarryBeforeApr = false;

document.getElementById('usedCarryYesBtn').addEventListener('click', function() {

usedCarryBeforeApr = true;

document.getElementById('carriedUsedDiv').style.display = 'block';

this.style.backgroundColor = '#45a049';

document.getElementById('usedCarryNoBtn').style.backgroundColor = '#f44336';

});

document.getElementById('usedCarryNoBtn').addEventListener('click', function() {

usedCarryBeforeApr = false;

document.getElementById('carriedUsedDiv').style.display = 'none';

document.getElementById('daysUsedBeforeApr').value = '';

this.style.backgroundColor = '#d32f2f';

document.getElementById('usedCarryYesBtn').style.backgroundColor = '#4CAF50';

});

const terminationLabel = document.getElementById('terminationLabel');

terminationLabel.textContent = "Enter Employee's Termination Date:";

function promptTerminationDate() {

employeeName = document.getElementById('employeeName').value.trim();

if (!employeeName) {

alert("Please enter employee name");

return;

}

terminationLabel.textContent = `Enter ${employeeName}'s Termination Date:`;

document.getElementById('step1').style.display = 'none';

document.getElementById('step2').style.display = 'block';

document.getElementById('terminationDate').focus();

}

function calculateDaysWorked() {

const terminationDate = new Date(document.getElementById('terminationDate').value);

const currentDate = new Date();

const startOfYear = new Date(currentDate.getFullYear(), 0, 1);

// Calculate days worked from Jan 1 to termination date (inclusive)

let daysWorked = Math.floor((terminationDate - startOfYear) / (1000 \* 60 \* 60 \* 24)) + 1;

// Ensure days worked is not negative

if (daysWorked < 0) {

alert("Termination date must be within the current year.");

return;

}

// Calculate annual leave entitlement (20 days \* days worked / 365)

annualLeaveEntitlement = (20 \* daysWorked) / 365;

document.getElementById('entitlementOutput').innerText =

`${annualLeaveEntitlement.toFixed(2)} days (20 × ${daysWorked} ÷ 365 = ${annualLeaveEntitlement.toFixed(2)})`;

document.getElementById('step2').style.display = 'none';

document.getElementById('step3').style.display = 'block';

}

function calculateOutstandingLeave() {

const annualLeaveTaken = parseFloat(document.getElementById('annualLeaveTaken').value);

const carryForward = parseFloat(document.getElementById('carryForward').value);

let daysUsedBeforeApr = 0;

if(usedCarryBeforeApr) {

daysUsedBeforeApr = parseFloat(document.getElementById('daysUsedBeforeApr').value) || 0;

}

const outstandingLeave = annualLeaveEntitlement - annualLeaveTaken + (carryForward - daysUsedBeforeApr);

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

resultElement.innerHTML = ''; // Clear any previous content

// Create headings

const heading = document.createElement('h3');

heading.textContent = 'Outstanding Annual Leave Calculation';

resultElement.appendChild(heading);

// Create divider line

const divider = document.createElement('hr');

resultElement.appendChild(divider);

// Create result items

const items = [

{ label: 'Entitlement (E):', value: `${annualLeaveEntitlement.toFixed(2)} days` },

{ label: 'Minus Taken (T):', value: `${annualLeaveTaken} days` },

{ label: 'Plus Carry Forward (C):', value: `${carryForward} days` },

{ label: 'Minus Used Before 1 Apr:', value: `${usedCarryBeforeApr ? daysUsedBeforeApr : 0} days` }

];

items.forEach(item => {

const p = document.createElement('p');

p.innerHTML = `<strong>${item.label}</strong> ${item.value}`;

resultElement.appendChild(p);

});

// Add final divider and total

const finalDivider = document.createElement('hr');

resultElement.appendChild(finalDivider);

const totalP = document.createElement('p');

totalP.innerHTML = `<strong>Total Outstanding:</strong> ${outstandingLeave.toFixed(2)} days`;

resultElement.appendChild(totalP);

document.getElementById('step3').style.display = 'none';

document.getElementById('result').style.display = 'block';

}

</script>

</body>

</html>