# Resilient Financial Calculator - React Code

import { useState } from "react";  
  
export default function ProfitCalculator() {  
 const [reimbursement, setReimbursement] = useState(200);  
 const [volume, setVolume] = useState(10000);  
 const [enableSharing, setEnableSharing] = useState(true);  
  
 const fixedRevenue = 111.5;  
 const variableRevenuePercent = 0.09;  
 const cogsPerVisit = 90;  
 const baseFixedMonthlyCost = 200000;  
  
 const revenuePerVisit = fixedRevenue + reimbursement \* variableRevenuePercent;  
 const grossProfitPerVisit = revenuePerVisit - cogsPerVisit;  
 const totalRevenue = revenuePerVisit \* volume;  
 const totalCOGS = cogsPerVisit \* volume;  
 const grossProfit = totalRevenue - totalCOGS;  
  
 const excessRevenue = Math.max(0, totalRevenue - 1000000);  
 const extraFixedCost = Math.floor(excessRevenue / 250000) \* 50000;  
 const totalFixedMonthlyCost = baseFixedMonthlyCost + extraFixedCost;  
  
 const netProfitBeforeSharing = grossProfit - totalFixedMonthlyCost;  
  
 const hospitalRevenue = reimbursement \* volume;  
 const hospitalCostPerVisit = revenuePerVisit;  
 const hospitalProfit = hospitalRevenue - hospitalCostPerVisit \* volume;  
 const hospitalProfitMargin = hospitalProfit / hospitalRevenue;  
  
 const thresholdProfit = 0.25 \* hospitalRevenue;  
 const excessHospitalProfit = Math.max(0, hospitalProfit - thresholdProfit);  
 const sharedProfit = enableSharing ? 0.5 \* excessHospitalProfit : 0;  
  
 const netProfit = netProfitBeforeSharing + sharedProfit;  
 const hospitalProfitAfterSharing = hospitalProfit - sharedProfit;  
  
 const breakevenVolume = Math.ceil(totalFixedMonthlyCost / grossProfitPerVisit);  
  
 const annualVolume = volume \* 12;  
 const annualRevenue = totalRevenue \* 12;  
 const annualCOGS = totalCOGS \* 12;  
 const annualGrossProfit = grossProfit \* 12;  
 const annualFixedCost = totalFixedMonthlyCost \* 12;  
 const annualNetProfit = netProfit \* 12;  
 const annualHospitalRevenue = hospitalRevenue \* 12;  
 const annualSharedProfit = sharedProfit \* 12;  
 const annualHospitalProfit = hospitalProfitAfterSharing \* 12;  
  
 return (  
 <div className="p-6 max-w-2xl mx-auto bg-white rounded-2xl shadow">  
 ...  
 </div>  
 );  
}