// Role: Frontend Developer

// Module: VeriHarvest Web & Mobile Dashboards

import React, { useState, useEffect } from "react";

import { Card, CardContent } from "@/components/ui/card";

import { Button } from "@/components/ui/button";

import { Input } from "@/components/ui/input";

import { Tabs, Tab } from "@/components/ui/tabs";

export default function VeriHarvestFrontend() {

const [tab, setTab] = useState("consumer");

const [batchId, setBatchId] = useState("");

const [batchData, setBatchData] = useState(null);

const fetchBatchDetails = async () => {

if (!batchId) return;

const response = await fetch(`http://localhost:8000/get\_batch/${batchId}`);

const data = await response.json();

setBatchData(data);

};

return (

<div className="p-6 max-w-4xl mx-auto">

<Tabs value={tab} onValueChange={setTab}>

<Tab value="consumer">Consumer App</Tab>

<Tab value="regulator">Regulatory Dashboard</Tab>

<Tab value="supplier">Supplier & Logistics</Tab>

</Tabs>

{tab === "consumer" && (

<Card className="mt-4 p-4">

<h2 className="text-xl font-bold mb-2">Verify Food Authenticity</h2>

<Input

placeholder="Enter Batch ID"

value={batchId}

onChange={(e) => setBatchId(e.target.value)}

className="mb-4"

/>

<Button onClick={fetchBatchDetails}>Check Authenticity</Button>

{batchData && (

<CardContent className="mt-4">

<p><strong>Product:</strong> {batchData.product\_name}</p>

<p><strong>Supplier:</strong> {batchData.supplier}</p>

<p><strong>Freshness Score:</strong> {batchData.freshness\_score}%</p>

<p><strong>Blockchain Verified:</strong> {batchData.blockchain\_verified ? "✅ Yes" : "❌ No"}</p>

<p><strong>Status:</strong> {batchData.status}</p>

</CardContent>

)}

</Card>

)}

</div>

);

}