// ================= FRONTEND START ===================

// --- client/src/App.jsx ---

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

import RegisterPage from './pages/RegisterPage';

import LoginPage from './pages/LoginPage';

function App() {

const [page, setPage] = useState('home');

const [token, setToken] = useState(localStorage.getItem('token'));

useEffect(() => {

if (!token) setPage('login');

else setPage('dashboard');

}, [token]);

const handleLogout = () => {

localStorage.removeItem('token');

setToken(null);

setPage('login');

};

return (

<div className="min-h-screen bg-gray-100">

{page === 'register' && <RegisterPage setPage={setPage} />}

{page === 'login' && <LoginPage setPage={setPage} setToken={setToken} />}

{page === 'dashboard' && (

<div className="p-4">

<h1 className="text-2xl font-bold">Welcome to Dashboard</h1>

<button

onClick={handleLogout}

className="mt-4 bg-red-500 text-white px-4 py-2 rounded"

>

Logout

</button>

</div>

)}

</div>

);

}

export default App;

// --- client/src/pages/RegisterPage.jsx ---

import React, { useState } from 'react';

const RegisterPage = ({ setPage }) => {

const [email, setEmail] = useState('');

const [password, setPassword] = useState('');

const [confirmPassword, setConfirmPassword] = useState('');

const [error, setError] = useState('');

const handleRegister = async (e) => {

e.preventDefault();

if (password !== confirmPassword) {

setError('Passwords do not match');

return;

}

try {

const response = await fetch('http://localhost:5000/api/auth/register', {

method: 'POST',

headers: { 'Content-Type': 'application/json' },

body: JSON.stringify({ email, password })

});

const data = await response.json();

if (!response.ok) throw new Error(data.error);

alert('Registration successful! Please log in.');

setPage('login');

} catch (err) {

setError(err.message);

}

};

return (

<div className="max-w-md mx-auto p-6 bg-white shadow-md rounded mt-10">

<h2 className="text-xl font-bold mb-4">Register</h2>

{error && <div className="text-red-600 text-sm mb-2">{error}</div>}

<form onSubmit={handleRegister} className="space-y-4">

<input type="email" placeholder="Email" value={email} onChange={e => setEmail(e.target.value)} className="w-full p-2 border rounded" required />

<input type="password" placeholder="Password" value={password} onChange={e => setPassword(e.target.value)} className="w-full p-2 border rounded" required />

<input type="password" placeholder="Confirm Password" value={confirmPassword} onChange={e => setConfirmPassword(e.target.value)} className="w-full p-2 border rounded" required />

<button type="submit" className="w-full bg-indigo-600 text-white p-2 rounded">Register</button>

<p className="text-sm mt-2 text-gray-600 text-center">Already have an account? <button type="button" onClick={() => setPage('login')} className="text-indigo-600">Login</button></p>

</form>

</div>

);

};

export default RegisterPage;

// --- client/src/pages/LoginPage.jsx ---

import React, { useState } from 'react';

const LoginPage = ({ setPage, setToken }) => {

const [email, setEmail] = useState('');

const [password, setPassword] = useState('');

const [error, setError] = useState('');

const handleLogin = async (e) => {

e.preventDefault();

try {

const response = await fetch('http://localhost:5000/api/auth/login', {

method: 'POST',

headers: { 'Content-Type': 'application/json' },

body: JSON.stringify({ email, password })

});

const data = await response.json();

if (!response.ok) throw new Error(data.error);

localStorage.setItem('token', data.token);

setToken(data.token);

setPage('dashboard');

} catch (err) {

setError(err.message);

}

};

return (

<div className="max-w-md mx-auto p-6 bg-white shadow-md rounded mt-10">

<h2 className="text-xl font-bold mb-4">Login</h2>

{error && <div className="text-red-600 text-sm mb-2">{error}</div>}

<form onSubmit={handleLogin} className="space-y-4">

<input type="email" placeholder="Email" value={email} onChange={e => setEmail(e.target.value)} className="w-full p-2 border rounded" required />

<input type="password" placeholder="Password" value={password} onChange={e => setPassword(e.target.value)} className="w-full p-2 border rounded" required />

<button type="submit" className="w-full bg-indigo-600 text-white p-2 rounded">Login</button>

<p className="text-sm mt-2 text-gray-600 text-center">Don't have an account? <button type="button" onClick={() => setPage('register')} className="text-indigo-600">Register</button></p>

</form>

</div>

);

};

export default LoginPage;