// import React from 'react';

// import { useNavigate } from 'react-router-dom';

// function Home() {

//   const navigate = useNavigate();

//   const gotoprofile = async (e) => {

//     e.preventDefault();

//     navigate('/profile');

//   };

//   const gotologout = async (e) => {

//     e.preventDefault();

//     navigate('/logout');

//   };

//   return (

//     <div>

//       <nav className="navbar navbar-expand-lg bg-body-tertiary">

//         <div className="container-fluid">

//           <a className="navbar-brand" href="#">Navbar</a>

//           <button className="navbar-toggler" type="button" data-bs-toggle="collapse" data-bs-target="#navbarNavAltMarkup" aria-controls="navbarNavAltMarkup" aria-expanded="false" aria-label="Toggle navigation">

//             <span className="navbar-toggler-icon"></span>

//           </button>

//           <div className="collapse navbar-collapse" id="navbarNavAltMarkup">

//             <div className="navbar-nav">

//               <a className="nav-link active" aria-current="page" href="#">Home</a>

//               <a className="nav-link" href="#">Profile</a>

//               <a className="nav-link" href="#">Login</a>

//               <a className="nav-link" href='#'>Signup</a>

//             </div>

//           </div>

//         </div>

//       </nav>

//       <h1>Welcome to the Home Page</h1>

//       <button onClick={gotoprofile}>profile</button>

//       <button onClick={gotologout}>Logout</button>

//     </div>

//   );

// }

// export default Home;

// Home.js

import React from 'react';

import { useNavigate } from 'react-router-dom';

function Home() {

  const navigate = useNavigate();

  return (

    <div>

      <nav className="navbar navbar-expand-lg bg-body-tertiary">

        <div className="container-fluid">

          <a className="navbar-brand" href="#">Navbar</a>

          <button

            className="navbar-toggler"

            type="button"

            data-bs-toggle="collapse"

            data-bs-target="#navbarNavAltMarkup"

            aria-controls="navbarNavAltMarkup"

            aria-expanded="false"

            aria-label="Toggle navigation"

          >

            <span className="navbar-toggler-icon"></span>

          </button>

          <div className="collapse navbar-collapse" id="navbarNavAltMarkup">

            <div className="navbar-nav">

              <a className="nav-link active"  onClick={() => navigate('/')}>Home</a>

              <a className="nav-link"  onClick={() => navigate('/profile')}>Profile</a>

              <a className="nav-link"  onClick={() => navigate('/login')}>Login</a>

              <a className="nav-link"  onClick={() => navigate('/signup')}>Signup</a>

            </div>

          </div>

        </div>

      </nav>

      <h1>Welcome to the Home Page</h1>

    </div>

  );

}

export default Home;

Login.js

import React, { useState } from 'react';

import axios from 'axios';

import { useNavigate } from 'react-router-dom';

function Login() {

  const [username, setUsername] = useState('');

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

  const navigate = useNavigate();

  const handleLogin = async (e) => {

    e.preventDefault();

    try {

      await axios.post('http://localhost:5000/login', { username, password }, { withCredentials: true });

      navigate('/');

    } catch (err) {

      console.error('Login failed:', err);

    }

  };

  return (

    <div>

      <nav className="navbar navbar-expand-lg bg-body-tertiary">

        <div className="container-fluid">

          <a className="navbar-brand" href="#">Navbar</a>

          <button

            className="navbar-toggler"

            type="button"

            data-bs-toggle="collapse"

            data-bs-target="#navbarNavAltMarkup"

            aria-controls="navbarNavAltMarkup"

            aria-expanded="false"

            aria-label="Toggle navigation"

          >

            <span className="navbar-toggler-icon"></span>

          </button>

          <div className="collapse navbar-collapse" id="navbarNavAltMarkup">

            <div className="navbar-nav">

              <a className="nav-link active"  onClick={() => navigate('/')}>Home</a>

              <a className="nav-link"  onClick={() => navigate('/profile')}>Profile</a>

              <a className="nav-link"  onClick={() => navigate('/login')}>Login</a>

              <a className="nav-link"  onClick={() => navigate('/signup')}>Signup</a>

            </div>

          </div>

        </div>

      </nav>

      <form onSubmit={handleLogin}>

      <h2>Login</h2>

      <input type="text" placeholder="Username" value={username} onChange={(e) => setUsername(e.target.value)} required />

      <input type="password" placeholder="Password" value={password} onChange={(e) => setPassword(e.target.value)} required />

      <button type="submit">Login</button>

    </form>

    </div>

  );

}

export default Login;

//Logout.js

import React from 'react'

import { useNavigate } from 'react-router-dom';

const Logout = () => {

  const navigate= useNavigate();

  return (

    <div>

      <nav className="navbar navbar-expand-lg bg-body-tertiary">

        <div className="container-fluid">

          <a className="navbar-brand" href="#">Navbar</a>

          <button

            className="navbar-toggler"

            type="button"

            data-bs-toggle="collapse"

            data-bs-target="#navbarNavAltMarkup"

            aria-controls="navbarNavAltMarkup"

            aria-expanded="false"

            aria-label="Toggle navigation"

          >

            <span className="navbar-toggler-icon"></span>

          </button>

          <div className="collapse navbar-collapse" id="navbarNavAltMarkup">

            <div className="navbar-nav">

              <a className="nav-link active"  onClick={() => navigate('/')}>Home</a>

              <a className="nav-link"  onClick={() => navigate('/profile')}>Profile</a>

              <a className="nav-link"  onClick={() => navigate('/login')}>Login</a>

              <a className="nav-link"  onClick={() => navigate('/signup')}>Signup</a>

            </div>

          </div>

        </div>

      </nav>

      <h1>logout</h1>

    </div>

  )

}

export default Logout

//Profile.js

import React, { useState } from 'react';

import axios from 'axios';

import { useNavigate } from 'react-router-dom';

function Profile() {

  const [user, setUser] = useState(null);

  const navigate = useNavigate();

  const fetchProfile = async () => {

    try {

      const response = await axios.get('http://localhost:5000/profile', { withCredentials: true });

      setUser(response.data);

    } catch (err) {

      console.error('Error fetching profile:', err);

    }

  };

  return (

    <div>

      <nav className="navbar navbar-expand-lg bg-body-tertiary">

        <div className="container-fluid">

          <a className="navbar-brand" href="#">Navbar</a>

          <button

            className="navbar-toggler"

            type="button"

            data-bs-toggle="collapse"

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            aria-controls="navbarNavAltMarkup"

            aria-expanded="false"

            aria-label="Toggle navigation"

          >

            <span className="navbar-toggler-icon"></span>

          </button>

          <div className="collapse navbar-collapse" id="navbarNavAltMarkup">

            <div className="navbar-nav">

              <a className="nav-link active"  onClick={() => navigate('/')}>Home</a>

              <a className="nav-link"  onClick={() => navigate('/profile')}>Profile</a>

              <a className="nav-link"  onClick={() => navigate('/login')}>Login</a>

              <a className="nav-link"  onClick={() => navigate('/signup')}>Signup</a>

            </div>

          </div>

        </div>

      </nav>

      <h2>Profile</h2>

      <button onClick={fetchProfile}>Load Profile</button>

      {user && (

        <div >

          <p style={{border:'solid black'}}><strong>Username:</strong> {user.username}</p>

          <p><strong>Email:</strong> {user.email}</p>

        </div>

      )}

    </div>

  );

}

export default Profile;

//Signup.js

import React, { useState } from 'react';

import axios from 'axios';

import { useNavigate } from 'react-router-dom';

function Signup() {

  const [username, setUsername] = useState('');

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

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

  const navigate = useNavigate();

  const handleSignup = async (e) => {

    e.preventDefault();

    try {

      await axios.post('http://localhost:5000/signup', { username, email, password });

      navigate('/login');

    } catch (err) {

      console.error('Signup failed:', err);

    }

  };

  return (

    <div>

      <nav className="navbar navbar-expand-lg bg-body-tertiary">

        <div className="container-fluid">

          <a className="navbar-brand" href="#">Navbar</a>

          <button

            className="navbar-toggler"

            type="button"

            data-bs-toggle="collapse"

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            aria-controls="navbarNavAltMarkup"

            aria-expanded="false"

            aria-label="Toggle navigation"

          >

            <span className="navbar-toggler-icon"></span>

          </button>

          <div className="collapse navbar-collapse" id="navbarNavAltMarkup">

            <div className="navbar-nav">

              <a className="nav-link active"  onClick={() => navigate('/')}>Home</a>

              <a className="nav-link"  onClick={() => navigate('/profile')}>Profile</a>

              <a className="nav-link"  onClick={() => navigate('/login')}>Login</a>

              <a className="nav-link"  onClick={() => navigate('/signup')}>Signup</a>

            </div>

          </div>

        </div>

      </nav>

      <form onSubmit={handleSignup}>

        <h2>Sign Up</h2>

        <input type="text" placeholder="Username" value={username} onChange={(e) => setUsername(e.target.value)} required />

        <input type="email" placeholder="Email" value={email} onChange={(e) => setEmail(e.target.value)} required />

        <input type="password" placeholder="Password" value={password} onChange={(e) => setPassword(e.target.value)} required />

        <button type="submit">Sign Up</button>

      </form>

    </div>

  );

}

export default Signup;

//App.js

import logo from './logo.svg';

import './App.css';

import React from 'react';

import { BrowserRouter as Router, Routes, Route } from 'react-router-dom';

import Home from './components/Home';

import Login from './components/Login';

import Signup from './components/Signup';

import Profile from './components/Profile';

import Logout from './components/Logout';

import './style.css';

function App() {

  return (

    <Router>

      <Routes>

        <Route path="/" element={<Home />} />

        <Route path="/signup" element={<Signup />} />

        <Route path="/login" element={<Login />} />

        <Route path="/profile" element={<Profile />} />

        <Route path="/logout" element={<Logout />} />

      </Routes>

    </Router>

  );

}

export default App;

//index.html

<!DOCTYPE html>

<html lang="en">

  <head>

    <meta charset="utf-8" />

    <link rel="icon" href="%PUBLIC\_URL%/favicon.ico" />

    <meta name="viewport" content="width=device-width, initial-scale=1" />

    <meta name="theme-color" content="#000000" />

    <meta

      name="description"

      content="Web site created using create-react-app"

    />

    <link rel="apple-touch-icon" href="%PUBLIC\_URL%/logo192.png" />

    <!--

      manifest.json provides metadata used when your web app is installed on a

      user's mobile device or desktop. See https://developers.google.com/web/fundamentals/web-app-manifest/

    -->

    <link rel="manifest" href="%PUBLIC\_URL%/manifest.json" />

    <!--

      Notice the use of %PUBLIC\_URL% in the tags above.

      It will be replaced with the URL of the `public` folder during the build.

      Only files inside the `public` folder can be referenced from the HTML.

      Unlike "/favicon.ico" or "favicon.ico", "%PUBLIC\_URL%/favicon.ico" will

      work correctly both with client-side routing and a non-root public URL.

      Learn how to configure a non-root public URL by running `npm run build`.

    -->

    <link href="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/css/bootstrap.min.css" rel="stylesheet" integrity="sha384-QWTKZyjpPEjISv5WaRU9OFeRpok6YctnYmDr5pNlyT2bRjXh0JMhjY6hW+ALEwIH" crossorigin="anonymous">

    <title>React App</title>

  </head>

  <body>

    <noscript>You need to enable JavaScript to run this app.</noscript>

    <div id="root"></div>

    <!--

      This HTML file is a template.

      If you open it directly in the browser, you will see an empty page.

      You can add webfonts, meta tags, or analytics to this file.

      The build step will place the bundled scripts into the <body> tag.

      To begin the development, run `npm start` or `yarn start`.

      To create a production bundle, use `npm run build` or `yarn build`.

    -->

  </body>

  <script src="https://cdn.jsdelivr.net/npm/bootstrap@5.3.3/dist/js/bootstrap.bundle.min.js" integrity="sha384-YvpcrYf0tY3lHB60NNkmXc5s9fDVZLESaAA55NDzOxhy9GkcIdslK1eN7N6jIeHz" crossorigin="anonymous"></script>

</html>

//style.css

/\* General Styles \*/

\* {

    margin: 0;

    padding: 0;

    box-sizing: border-box;

    font-family: Arial, sans-serif;

  }

  body {

    background-color: #f4f4f9;

    /\* display: flex;

    justify-content: center;

    align-items: center; \*/

    height: 100vh;

  }

  h1, h2 {

    color: #333;

    margin-bottom: 1rem;

    text-align: center;

  }

  /\* Form Container \*/

  form {

    width: 100%;

    max-width: 400px;

    background-color: #ffffff;

    padding: 2rem;

    border-radius: 8px;

    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

    margin: 20px auto;

  }

  form h2 {

    margin-bottom: 1.5rem;

    font-size: 1.8rem;

  }

  input[type="text"],

  input[type="email"],

  input[type="password"],

  button {

    width: 100%;

    padding: 0.8rem;

    margin-bottom: 1rem;

    border-radius: 5px;

    border: 1px solid #ddd;

  }

  input[type="text"]:focus,

  input[type="email"]:focus,

  input[type="password"]:focus {

    outline: none;

    border-color: #333;

  }

  button {

    background-color: #4CAF50;

    color: white;

    font-size: 1rem;

    cursor: pointer;

    border: none;

    transition: background-color 0.3s;

  }

  button:hover {

    background-color: #45a049;

  }

  /\* Error Message \*/

  .error-message {

    color: red;

    font-size: 0.9rem;

    margin-bottom: 1rem;

    text-align: center;

  }

  /\* Profile Page \*/

  .profile-container {

    max-width: 400px;

    margin: 0 auto;

    padding: 2rem;

    background-color: #ffffff;

    border-radius: 8px;

    box-shadow: 0 4px 8px rgba(0, 0, 0, 0.1);

  }

  .profile-container p {

    margin: 0.5rem 0;

  }

  .profile-container strong {

    color: #333;

  }

  .profile-container button {

    margin-top: 1rem;

  }

  /\* Home Page \*/

  .home-container {

    text-align: center;

    margin-top: 2rem;

  }

  .home-container h1 {

    font-size: 2rem;

    color: #333;

  }

  /\* Center Page \*/

  .center-page {

    display: flex;

    flex-direction: column;

    justify-content: center;

    align-items: center;

    min-height: 100vh;

  }

//server.js

const express = require('express');

const mysql = require('mysql2');

const bcrypt = require('bcryptjs');

const jwt = require('jsonwebtoken');

const cookieParser = require('cookie-parser');

const cors = require('cors');

const app = express();

app.use(express.json());

app.use(cookieParser());

app.use(cors({ origin: 'http://localhost:3000', credentials: true }));

// Database connection

const db = mysql.createConnection({

  host: 'localhost',

  user: 'root',

  password: 'root',

  database: 'user\_auth'

});

db.connect(err => {

  if (err) throw err;

  console.log('Database connected...');

});

// JWT secret

const JWT\_SECRET = 'your\_secret\_key';

// Register endpoint

app.post('/signup', async (req, res) => {

  const { username, email, password } = req.body;

  const hashedPassword = await bcrypt.hash(password, 10);

  const query = 'INSERT INTO users (username, email, password) VALUES (?, ?, ?)';

  db.query(query, [username, email, hashedPassword], (err) => {

    if (err) return res.status(500).send('Server error');

    res.status(201).send('User registered successfully');

  });

});

// Login endpoint

app.post('/login', (req, res) => {

  const { username, password } = req.body;

  db.query('SELECT \* FROM users WHERE username = ?', [username], async (err, results) => {

    if (err || results.length === 0) return res.status(401).send('Invalid credentials');

    const user = results[0];

    const isMatch = await bcrypt.compare(password, user.password);

    if (!isMatch) return res.status(401).send('Invalid credentials');

    const token = jwt.sign({ id: user.id }, JWT\_SECRET, { expiresIn: '1h' });

    res.cookie('token', token, { httpOnly: true }).send('Login successful');

  });

});

// Profile endpoint

app.get('/profile', (req, res) => {

  const token = req.cookies.token;

  if (!token) return res.status(401).send('Access denied');

  jwt.verify(token, JWT\_SECRET, (err, decoded) => {

    if (err) return res.status(403).send('Invalid token');

    db.query('SELECT id, username, email FROM users WHERE id = ?', [decoded.id], (err, results) => {

      if (err || results.length === 0) return res.status(404).send('User not found');

      res.json(results[0]);

    });

  });

});

// Logout endpoint

app.post('/logout', (req, res) => {

  res.clearCookie('token').send('Logout successful');

});

// Start server

app.listen(5000, () => {

  console.log('Server running on http://localhost:5000');

});

//database

CREATE DATABASE user\_auth;

USE user\_auth;

CREATE TABLE users (

id INT AUTO\_INCREMENT PRIMARY KEY,

username VARCHAR(50) NOT NULL,

email VARCHAR(100) NOT NULL,

password VARCHAR(255) NOT NULL

);