REACT:

6.React-HOL

Cognizant Academy teams want to maintain a list of trainers along with their expertise in a SPA using React as the technology. You are assigned the task of creating this React app

Code:

trainer.js:

class Trainer {

constructor(trainerId, name, email, phone, technology, skills) {

this.trainerId = trainerId;

this.name = name;

this.email = email;

this.phone = phone;

this.technology = technology;

this.skills = skills;

}

}

export default Trainer;

TrainersMock.js:

import Trainer from './trainer';

const trainers = [

new Trainer(1, "Alice", "alice@example.com", "1234567890", "React", ["Hooks", "Redux"]),

new Trainer(2, "Bob", "bob@example.com", "9876543210", "Java", ["Spring", "JPA"]),

new Trainer(3, "Charlie", "charlie@example.com", "5555555555", "Python", ["Django", "Flask"]),

];

export default trainers;

TrainerDetails.js

import React from 'react';

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

import trainers from './TrainersMock';

function TrainerDetails() {

const { id } = useParams();

const trainer = trainers.find(t => t.trainerId === parseInt(id));

if (!trainer) return <p>Trainer not found</p>;

return (

<div>

<h2>Trainer Details</h2>

<p><strong>Name:</strong> {trainer.name}</p>

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

<p><strong>Phone:</strong> {trainer.phone}</p>

<p><strong>Technology:</strong> {trainer.technology}</p>

<p><strong>Skills:</strong> {trainer.skills.join(', ')}</p>

</div>

);

}

export default TrainerDetails;

App.js:

import React from 'react';

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

import Home from './Home';

import TrainerList from './TrainerList';

import TrainerDetails from './TrainerDetails';

import trainers from './TrainersMock';

function App() {

return (

<BrowserRouter>

<div>

<h1>TrainersApp</h1>

<nav>

<Link to="/">Home</Link> | <Link to="/trainers">Trainers</Link>

</nav>

<hr />

<Routes>

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

<Route path="/trainers" element={<TrainerList trainers={trainers} />} />

<Route path="/trainer/:id" element={<TrainerDetails />} />

</Routes>

</div>

</BrowserRouter>

);

}

export default App;

Output:





  