# TrainersApp - React Router Hands-on Guide

## Step 1: Create the React App

Open terminal and run:  
npx create-react-app trainersapp  
cd trainersapp

## Step 2: Install React Router

npm install react-router-dom@6

## Step 3: Folder Structure

src/  
├── App.js  
├── index.js  
├── trainer.js  
├── trainersMock.js  
├── Home.js  
├── TrainerList.js  
├── TrainerDetails.js

## Step 4: 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;

## Step 5: trainersMock.js

import Trainer from "./trainer";  
const trainersMock = [  
 new Trainer('t-syed8', 'Syed Khaleelullah', 'khaleelullah@cognizant.com', '97676516962', '.NET', ['C#', 'SQL Server', 'React', '.NET Core']),  
 new Trainer('t-jojo', 'Jojo Jose', 'jojo@cognizant.com', '9897199231', 'Java', ['Java', 'JSP', 'Angular', 'Spring']),  
 new Trainer('t-elisa', 'Elisa Jones', 'elisa@cognizant.com', '9871212235', 'Python', ['Python', 'Django', 'Angular']),  
];  
export default trainersMock;

## Step 6: Home.js

function Home() {  
 return <h2>Welcome to My Academy trainers page</h2>;  
}  
export default Home;

## Step 7: TrainerList.js

import { Link } from "react-router-dom";  
function TrainerList({ trainers }) {  
 return (  
 <div>  
 <h2>Trainers List</h2>  
 <ul>  
 {trainers.map((trainer) => (  
 <li key={trainer.trainerId}>  
 <Link to={`/trainer/${trainer.trainerId}`}>{trainer.name}</Link>  
 </li>  
 ))}  
 </ul>  
 </div>  
 );  
}  
export default TrainerList;

## Step 8: TrainerDetails.js

import { useParams } from "react-router-dom";  
import trainersMock from "./trainersMock";  
  
function TrainerDetails() {  
 const { id } = useParams();  
 const trainer = trainersMock.find((t) => t.trainerId === id);  
  
 if (!trainer) return <h2>Trainer not found</h2>;  
  
 return (  
 <div>  
 <h2>Trainers Details</h2>  
 <h3>{trainer.name} ({trainer.technology})</h3>  
 <p>{trainer.email}</p>  
 <p>{trainer.phone}</p>  
 <ul>  
 {trainer.skills.map((skill, index) => (  
 <li key={index}>{skill}</li>  
 ))}  
 </ul>  
 </div>  
 );  
}  
export default TrainerDetails;

## Step 9: App.js

import { BrowserRouter, Routes, Route, Link } from "react-router-dom";  
import Home from "./Home";  
import TrainerList from "./TrainerList";  
import TrainerDetails from "./TrainerDetails";  
import trainersMock from "./trainersMock";  
  
function App() {  
 return (  
 <BrowserRouter>  
 <div>  
 <h1>My Academy Trainers App</h1>  
 <nav>  
 <Link to="/">Home</Link> | <Link to="/trainers">Show Trainers</Link>  
 </nav>  
 <Routes>  
 <Route path="/" element={<Home />} />  
 <Route path="/trainers" element={<TrainerList trainers={trainersMock} />} />  
 <Route path="/trainer/:id" element={<TrainerDetails />} />  
 </Routes>  
 </div>  
 </BrowserRouter>  
 );  
}  
export default App;

## Step 10: index.js

import React from "react";  
import ReactDOM from "react-dom/client";  
import App from "./App";  
  
const root = ReactDOM.createRoot(document.getElementById("root"));  
root.render(<App />);

## Step 11: Run the App

npm start

