Module - 6

React Router

> create React app with modules and lazy loading (Admin - user module with child routes and outlet)

A React Routed tutorial which teaches you how to use Lazy Loading with react Router application only this part lazy loads on demand.

you need to provide a single input parameter to call React.lazy(). it accepts a function as an input parameter, and that function should return a promise after loading the component using import(). Finally, the returned promise from React.

creating a loading component in React is relatively straightforward. First, we need to import React and create a new functional component. Let's call this component Loading. In this example, the React component returns a div with the text "loading".

The React lazy function lets you render a dynamic import as a regular compone Before import otherComponent from './other component'.

React is a popular Javascript library for building user interfaces. when it comes to loading data, there are two main approaches lazy loading and eagar loading.

A loader in react-router is a function that is used to fetch data for a route before it is rendered. When you click on a link which directs you to a route, the loader function runs and gets the data ready for the route before it renders. and during the loading or submitting phase of a navigation or fetcher call.

Lazy routes are resolved on initial load

With React is a powerful feature. usually a client-side rendered React applications comes as one bundle from a web server. However, when enabling lazy loading, the bundle is split into smaller bundles. When a user visits a specific part of the application, only this part lazy loads on demand. The term you for this optimization is called code splitting and improves the performance when a user navigates through a larger React application.

You may have noticed that we are using react suspense here to offer a fallback React element when the components is lazy loaded from the server.

You would use the React.lazy() function to create a lazy version of the component. You would then render the lazy component inside a suspense component. The suspense component will show a fallback message while the lazy component is loading.