Vite -Vite is development server that offers a faster and learner development experience for modern web project

Wha

Lazy Loading Concepts

Every time we apply changes in our website. It re-rendering the entire website rather render only that content. This re-render take times in our.To increase speed or improve performance we apply concept of lazy loading in our code.

We can implement lazy loading using React.lazy() and suspense.

React.lazy() - It allows you to create a dynamic import of a react component and load it only when it’s needed.

Dynamic import in React allows you to dynamically load JavaScript modules at run time, which can significantly improve your application’s performance and load times. This technique useful for code splitting and lazy loading , ensuring that only the necessary code is loaded when needed.

Step-1 Const LazyAbout=React.lazy(() => import(‘./components/About’))

A promise is returned by this dynamic import which is converted to module that contains default component.

Step-2 <Route path=’about’ element={<LazyAbout />}

Step-3 <React.Suspense fallback =”Loading…”>

<LazyAbout />

<React.Suspense>

React.Suspense --> the lazy componenet should then be rendered inside a suspense component which allows us to show some fallback content while we’re waiting for the lazy component to load.