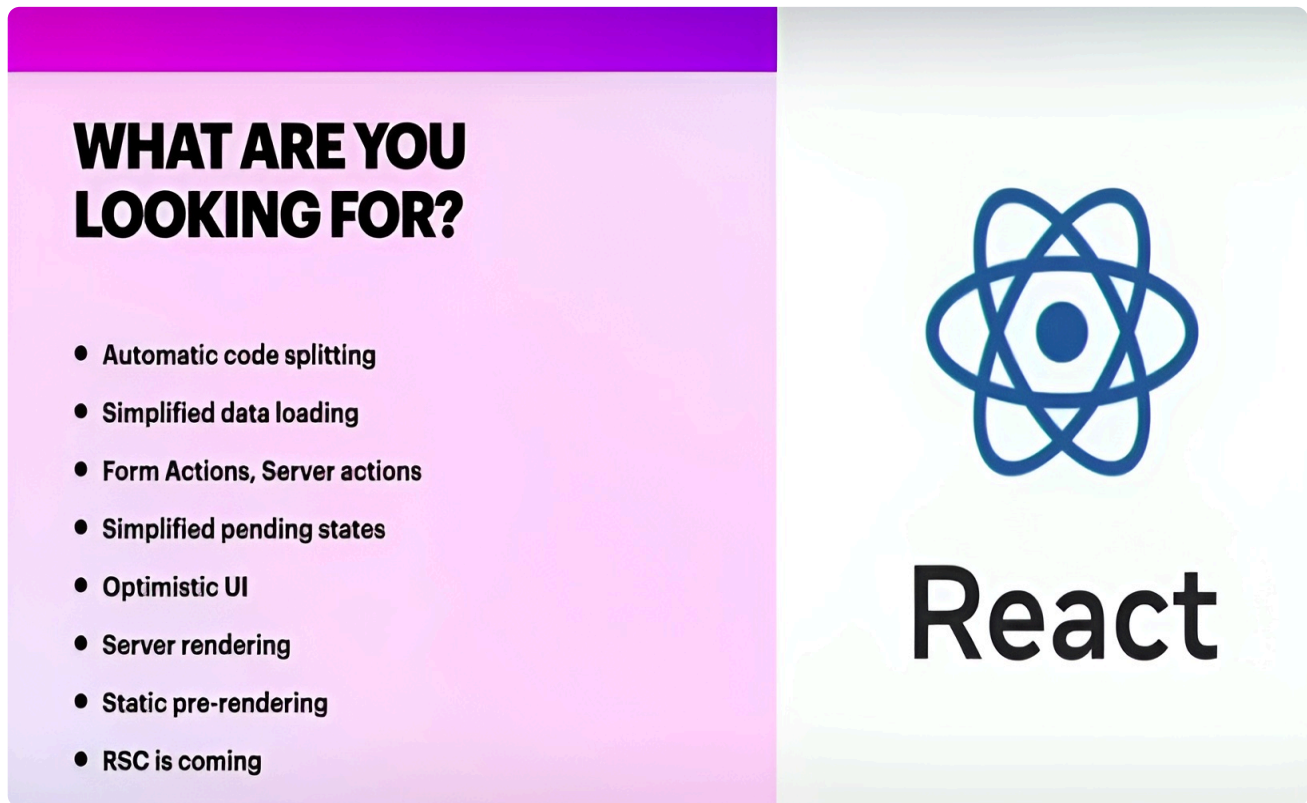




Vanilla React

How to modernize a relatively old vanilla React project (based on React Router)?

Move from create-react-app to vite.



Generally, the team wants to modernize the app without rewriting the project.

They will bring the vite plugin from **Remix** to **React Router v7**.

Demo

1. Migrate the routes to React Router v7.

Go to vite.config.ts and add the route to the route config in the vite plugin. This automatically code-split the route.

2. The route component now have access to React Router data layer.

For example, now we could use an async loader function to provide data to the route element before it renders.

2.1 Now we could remove the fetching in useEffect() and move it to the loader.

2.2 Now we could remove the try/catch from the fetching because React Router automatically wraps the loaders in an error boundary.

2.3 When we read the data and create visualizations based on it, we don't have to check whether the data exists, because the loader is guaranteed to run before the rendering.