Normal SPA (static serve):

On ‘/’, the server will always serve build/index.html to client. Client will then request CSS and JS files based on links. Page must finish loading resources before it can be displayed.

How SSR works for React:

Pre-render the initial markup of your page using ReactDOMServer.renderToString(App({…props})).

In the client-side, you call React.hydrate() instead of React.render(). Allows you to render page first and then start fetching JS for interactivity.

Since idea is to make request to server for every url and render markup first. React router will not work as we do not want app to handle route internally and disable request.

Solution: Don’t use react router. When client requests a path, we pass the path as a prop to App. At client, we change markup according to path.

At server side, ReactDOMServer.renderToString(App({path: ‘/users’})).

At client side:

In app.js

<div className=’App’>

{switch (props.path):

case ‘/users’: <Users …props/>

…}

</div>

Issue: Redux store and session storage?

Framework: NextJS.