**AuthHooks**

**RequireAuth.jsx**

The RequireAuth component is a React functional component designed to enforce authentication by checking for the presence of an authentication token. Here's a summary of its key features:

Authentication Check:

Retrieves the authentication token from the local storage.

If no token is found, it removes any existing token, redirects the user to the "/sign-in" route, and passes the current location as state to enable redirection after successful authentication.

Conditional Rendering:

Renders the child components (passed as children prop) only if a valid authentication token is present.

Routing and Navigation:

Uses the Navigate component from 'react-router-dom' for programmatic navigation.

Redirects users to the "/sign-in" route if they are not authenticated.

Usage:

Intended to be used as a wrapper around components or routes that require authentication.

Ensures that the wrapped content is accessible only to authenticated users.

In summary, the RequireAuth component serves as a protective wrapper to control access to certain parts of an application based on the authentication status of the user. If the user is not authenticated, they are redirected to the sign-in page.

**RequireAdmin.jsx**

The RequireAdmin component is a React functional component designed to enforce access restriction based on user roles, specifically allowing access only to users with an "admin" role. Here's a summary of its key features:

User Data Fetching:

Utilizes the useGetUser hook to asynchronously fetch user data and determine the user's role.

Displays a loading spinner (Spinner component) while waiting for the user data to be retrieved.

Conditional Rendering:

Renders the child components (passed as children prop) only if the user has successfully been loaded and has an "admin" role.

Authentication Check:

If the user data indicates a non-admin role or if there is an issue loading the user data, it removes any existing authentication token and redirects the user to the "/sign-in" route.

Routing and Navigation:

Uses the Navigate component from 'react-router-dom' for programmatic navigation.

Redirects users to the "/sign-in" route if they don't have the required "admin" role.

Loading State:

Displays a loading spinner during the user data fetching process to provide visual feedback to the user.

Usage:

Intended to be used as a wrapper around components or routes that require "admin" access.

Ensures that the wrapped content is accessible only to users with the "admin" role.

In summary, the RequireAdmin component acts as a protective wrapper to control access to specific parts of an application, allowing access only to users with the "admin" role. If the user does not have the required role or if there are issues loading user data, they are redirected to the sign-in page.

**Context**

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