# Advanced React Hooks Reference

This document expands beyond core React hooks to cover advanced and less common ones, as well as popular library-specific hooks.

## React Advanced and Concurrent Hooks

* ▶️ useLayoutEffect

Fires synchronously after all DOM mutations, useful for layout read/write before paint.

* ▶️ useImperativeHandle

Customizes the instance value that is exposed when using forwardRef.

* ▶️ useDebugValue

Lets custom hooks show labels in React DevTools for debugging.

* ▶️ useTransition

Allows marking state updates as non-urgent (introduced in React 18).

* ▶️ useDeferredValue

Returns a deferred version of a value that updates after the original, used for smoothing UI.

* ▶️ useSyncExternalStore

Subscribes to external stores with consistent server-client behavior.

* ▶️ useInsertionEffect

Runs before DOM mutations; mainly for injecting CSS in libraries.

## React Router Hooks

* ▶️ useNavigate

Programmatically navigate to another route.

* ▶️ useParams

Access URL parameters (e.g., /user/:id).

* ▶️ useLocation

Access the current URL and location state.

* ▶️ useSearchParams

Work with URL query strings.

* ▶️ useLoaderData

Access data returned from route loaders in React Router v6.4+.

## Redux Hooks

* ▶️ useSelector

Read state from the Redux store.

* ▶️ useDispatch

Dispatch actions to the Redux store.