

React Query vs. Redux Toolkit – Which One Should You Use?

LocalStorage for Simple Offline Storage

Feature	React Query	Redux Toolkit
Purpose	API fetching & caching	Global client state
Auto Caching	Yes	X No (manual caching)
Background Updates	✓ Yes	X No
Boilerplate	Minimal	Requires reducers & actions
Best For	Data fetching, API state	UI state, authentication

React Query for API Fetching

```
import { useQuery } from "@tanstack/react-query";
import axios from "axios";
const fetchUsers = async () => {
 const { data } =
   await axios.
     get("https://jsonplaceholder.typicode.com/users");
 return data;
const UsersList = () => {
 const { data, isLoading } =
   useQuery(
       queryKey: ["users"],
       queryFn: fetchUsers
 if (isLoading) return Loading...;
  return (
   {data.map(user =>
     ({user.name})
 );
```

Redux Toolkit for Global State

```
import { createSlice } from "@reduxjs/toolkit";
const userSlice = createSlice({
 name: "user",
 initialState: { user: null },
  reducers: {
    setUser: (state, action) =>
      { state.user = action.payload; },
    logout: (state) =>
      { state.user = null; },
export const { setUser, logout } =
 userSlice.actions;
export default userSlice.reducer;
```

Pro Tip: Use both together for the best experience!

- Use **React Query** for API state (fetching, caching, background syncing) and **Redux** Toolkit for global UI state (authentication, theme, modals).
- Avoid storing API data in Redux! Let React Query handle it to reduce unnecessary re-renders and improve performance.
- Use **React Query's invalidateQueries** to automatically refresh data after a mutation instead of manually updating the Redux state.
- For large-scale apps, keep API state in React Query and client preferences (e.g., dark mode, sidebar toggle) in Redux Toolkit.