**🔁 Redux Toolkit - Real Life Applications**

Redux Toolkit ka use tab hota hai jab **data ya state ko globally share** karna ho across multiple components or pages.

**1. E-commerce App 🛒**

**Redux Ka Use:**

* **Cart Management**: User cart me kya-kya add kiya — ye Redux me store hota hai.
* **User Auth Info**: Login token ya user details.
* **Wishlist Items**: Har screen se access ho sake.
* **Order History**: Redux se show hoti hai jab user profile pe jaata hai.

**2. Crypto Tracker App 📊 (Jaise tu bana raha hai)**

**Redux Ka Use:**

* **Top 100 Cryptos** Redux store me load ho jaate hain ek baar.
* Har page me tu same data reuse karta hai bina baar-baar API call kiye.
* Currency conversion state bhi Redux me store kar sakta hai (USD, INR, etc.)

**3. Social Media App 📱**

**Redux Ka Use:**

* **User Info (Profile Pic, Name, Email)**: Redux me store hoti hai.
* **Posts Feed**: Redux me load karte ho ek baar, multiple components me use hoti hai.
* **Notification Count**: Redux se update hoti hai real-time.

**🧭 React Router - Real Life Applications**

Routing ka kaam hota hai **different pages ya views** ke beech transition karna — bina page reload ke.

**1. E-commerce App**

**Routing Ka Use:**

* /products → All products list
* /product/123 → Individual product detail
* /cart → Cart page
* /checkout → Checkout form
* /orders → User order history

**2. Crypto Tracker App**

**Routing Ka Use:**

* / → Dashboard
* /coin/bitcoin → Bitcoin detail page
* /news → Crypto news section
* /converter → Currency converter page

**3. Netflix Clone / OTT Platform**

**Routing Ka Use:**

* / → Homepage
* /movies → All movies
* /movie/:id → Individual movie detail
* /mylist → Watchlist
* /profile → User profile settings

**✅ Summary Table**

| **Feature** | **Redux Toolkit** | **React Router** |
| --- | --- | --- |
| Data Sharing Between Components | ✅ Yes | ❌ No |
| Page-to-Page Navigation | ❌ No | ✅ Yes |
| Centralized State Management | ✅ Yes | ❌ No |
| Example Use: Shopping Cart | ✅ Yes | ✅ Yes (Cart page) |
| Example Use: Coin Details | ✅ (store data) | ✅ (navigate to /coin/:id) |
| Example Use: Login System | ✅ (store user info globally) | ✅ (navigate after login) |