

■ useStoreUser Hook – Black Background Explanation

■ Purpose:

The useStoreUser() hook automatically stores a logged-in user's data in the Convex database when the user logs in. It uses both Clerk (for login info) and Convex (for database management).

Step-by-Step Explanation:

1■■ Imports

We import tools like useUser (to get user info), useConvexAuth (to check login), useMutation (to call database functions), and api (to connect Convex backend).

2■■ Create Custom Hook

We define useStoreUser() – a function reusable anywhere in our React project.

3■■ Get Login Info

We use useUser() and useConvexAuth() to know if the user is logged in and who they are.

4■■ useState for userId

We create a state userId to save the user's unique ID after they are stored in the database.

5■■ Connect Mutation

We connect storeUser with the Convex mutation api.users.store (from the earlier code).

6■■ useEffect → Store Automatically

When the user logs in, storeUser() runs automatically to save or update their info in the database.

7■■ Return Result

The hook returns:

- isLoading → true while data is being stored.
- isAuthenticated → true when the user is logged in and stored in DB.

■ Summary Table

Step | What Happens | Example

- | Step | What Happens | Example |
|------|-----------------------------|---------------------------------|
| 1 | Check if user is logged in | Faiz signs in |
| 2 | Call mutation to store user | Adds Faiz to DB |
| 3 | If user already exists | Updates name if changed |
| 4 | Return user state | Marks user as logged and stored |

■ Real-Life Example: