- what is the difference between useCallback, useMemo, and memo component?

**useCallback** is a hook that returns a memoized callback. A callback is a function that is passed as an argument to another function. In the context of React, a callback is often used as an event handler or to pass data between components. The **useCallback** hook takes two arguments: a function and a dependency array.

**useMemo** is a hook that returns a memoized value. It takes two arguments: a function that returns a value and a dependency array. It will call the function and return its result only if one of the dependencies has changed.

Using memo will cause React to skip rendering a component if its props have not changed.

The useMemo is used to memoize values, React. memo is used to wrap React Function components to prevent re-renderings. The useCallback is used to memoize functions.

- what is useId hook?

useId() is one of the latest hooks added to React 18. Its primary use case is to generate unique IDs for HTML form elements and ensure that the IDs are always unique in the context of the React application.