Redux Toolkit

Redux Toolkit is a set of tools that helps simplify Redux development.

It is a liberary.

It includes utilities for creating and managing Redux stores, as well as for writing Redux actions and reducers.
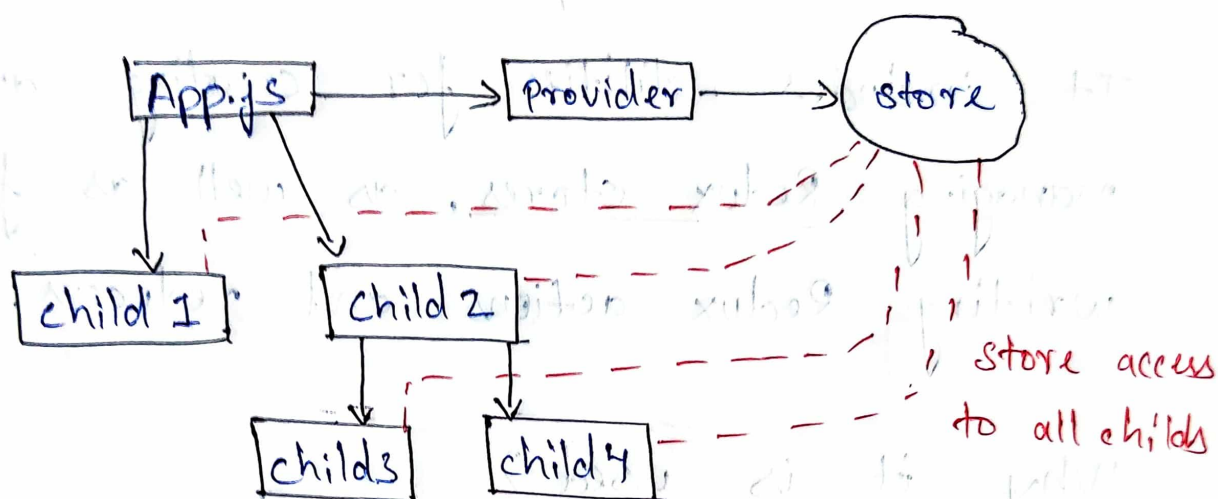
why it is used?

Redux Toolkit makes it easier to write good Redux applications and speed up development, by baking in our recommended best practices, providing good default behaviours, catching mistakes, and allow you to write simpler code.

Its main purpose is to maintain and update data across your applications for multiple components to share, all while remaining independent of the components.

What is the Redux Store?

The Redux store is the main, central
bucket which stores all the states of
an application.

App.js → Provider → store

child 1   child 2

child3   child4

store access
to all childs

Aactions

The only way to change the state is
to emit an action, which is an
object describing what happened.

Reducers

Reducers take in two things: previous
state and an action. Then they reduce
it / return it to one entity: the new
updated instance of state.

Slice

A slice is a portion of redux code that relates to a specific set of data and actions within the store's state.

useDispatch()

This hook returns a reference to the dispatch function from the Redux store. You may use it to dispatch actions as needed.

useSelector()

It allows you to extract data from the Redux store state, using a selector function.