

Simply React

Make your React more flexible and simple at the same time

Kent C. Dodds



[TestingJavaScript.com](https://testingjavascript.com)

[@kentcdodds](https://twitter.com/kentcdodds)



[EpicReact.Dev](https://epicreact.dev)

What this talk is

- Typical lifecycle of a component
(not what you're thinking)
- How patterns can simplify
- Composability
- A challenge



What this talk is *not*

- **How** to implement patterns



Let's get started



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Horses can sleep both lying down and standing up. Domestic horses have a lifespan of around 25 years. A 19th century horse named 'Old Billy' is said to have lived 62 years.

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```
const accordionItems = [
  {
    title: '□',
    openTitle: '□',
    contents: '...',
    disabled: false,
  },
  // ...
]

const ui = (
  <Accordion
    items={accordionItems}
    position="below"
    single={true}
    preventClose={true}
    openTrigger="focus"
    closeTrigger="blur"
    titleClassName="acc-title"
    contentsClassName="acc-contents"
    onTrigger={this.handleTrigger}
    closeClassName="acc-closed"
    openClassName="acc-open"
    renderExpandAllButton={true} // :-(
    // let your imagination run wild
  />
)
```

WHAT IF I TOLD YOU

**THEY ALL USE
THE SAME 22 LINE HOOK?**

imgflip.com

```
const actionTypes = {toggle_index: 'toggle_index'}

function accordionReducer(openIndexes, action) {
  switch (action.type) {
    case actionTypes.toggle_index: {
      const closing = openIndexes.includes(action.index)
      return closing
        ? openIndexes.filter(i => i !== action.index)
        : [...openIndexes, action.index]
    }
    default: {
      throw new Error('Unhandled type in accordionReducer: ' + action.type)
    }
  }
}

function useAccordion({reducer = accordionReducer} = {}) {
  const [openIndexes, dispatch] = React.useReducer(reducer, [0])
  const toggleIndex = index => dispatch({type: actionTypes.toggle_index, index})
  return {openIndexes, toggleIndex}
}

export {useAccordion, accordionReducer, actionTypes}
```

Demo

[CodeSandbox](#)

Thank you Ives 🙏



EpicReact.Dev

by Kent C. Dodds



A word of caution

What if this is all you will ever need?

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YAGNI

You Ain't Gonna Need It

**Use patterns that *simplify*
your API**

Thank You



simply-react.netlify.com

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