

YAUHENI NIKANOVICH

---

**RECOMPOSE YOUR REACT**

# HOF ?

(High Order Function)

# HOC ?

(High Order Component)

# HOF EXAMPLE

```
[1,2,3].map(item => item * 2) // [2, 4, 6]
```

```
[5,2,1,4,10,3]  
  .map(item => item * 2)           // [10, 4, 2, 8, 20, 6]  
  .filter(item => item > 6)        // [10, 8, 20]  
  .sort((a, b) => a - b)           // [8, 10, 20]  
  .findIndex(item => item === 10) // 1
```

# HOC EXAMPLE



# RECOMPOSE

Recompose is a React utility belt for function components and higher-order components.

**.CODE**

# SUMMARY



Unusable



Bearable



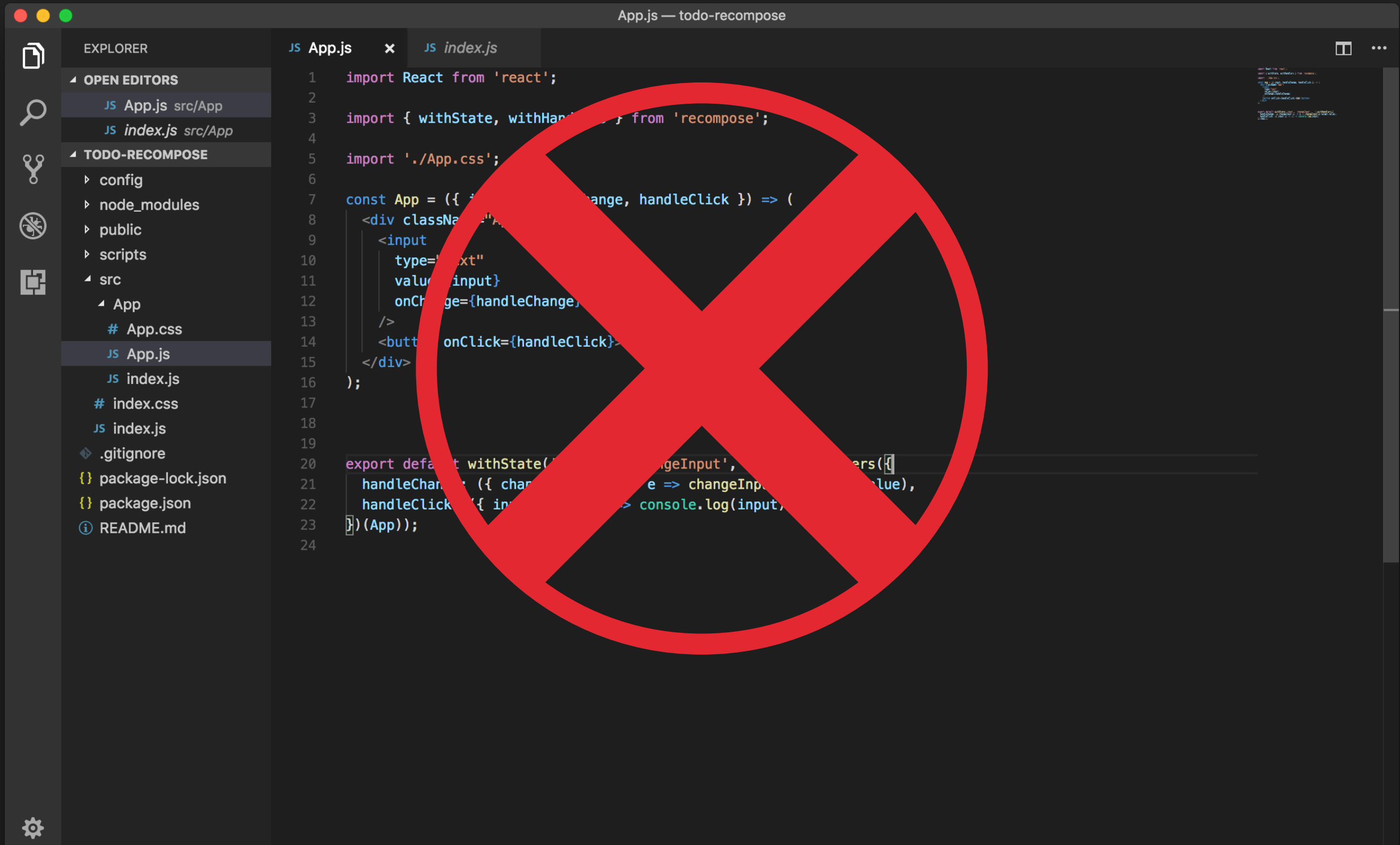
Usable



# SUMMARY

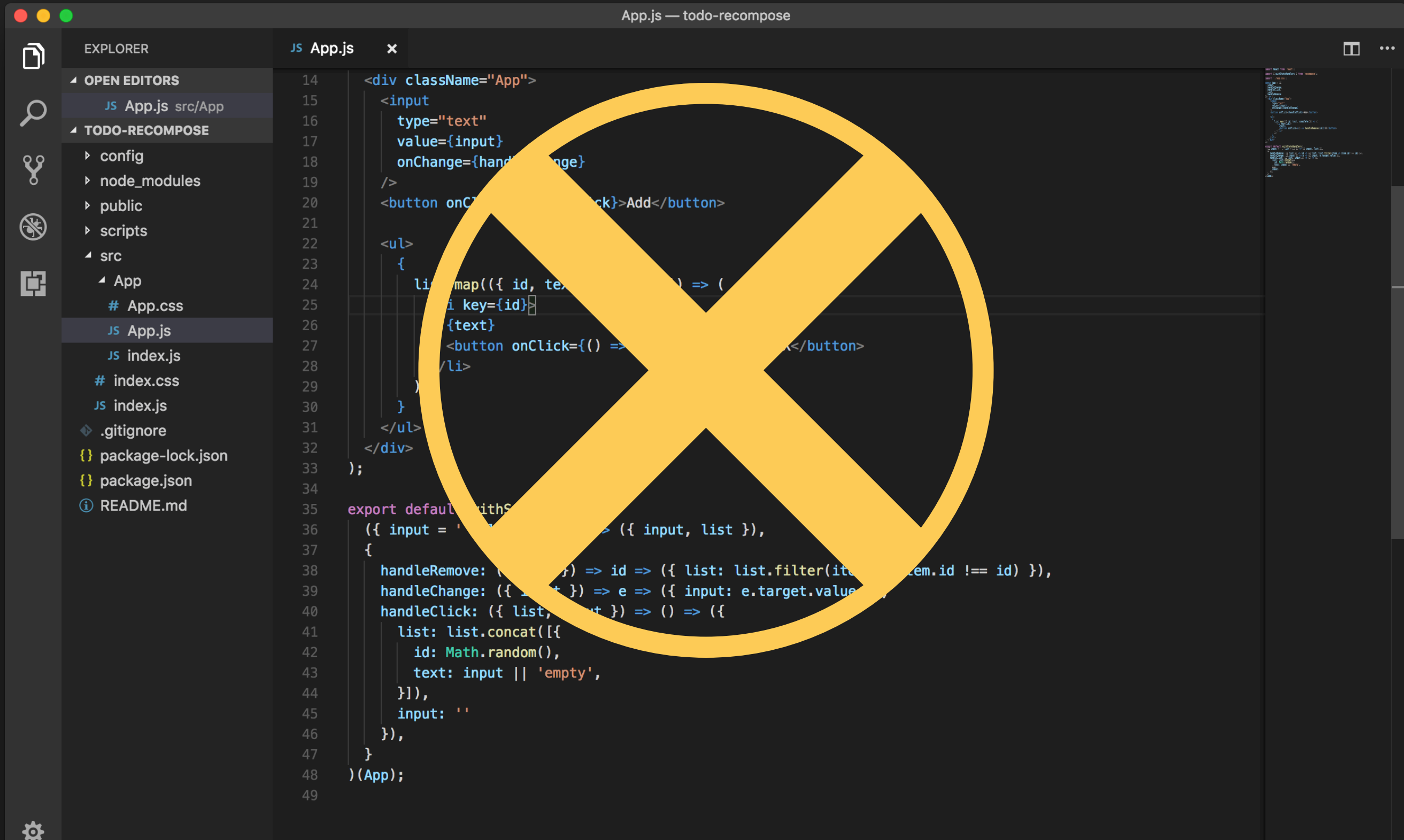
withState

withHandlers



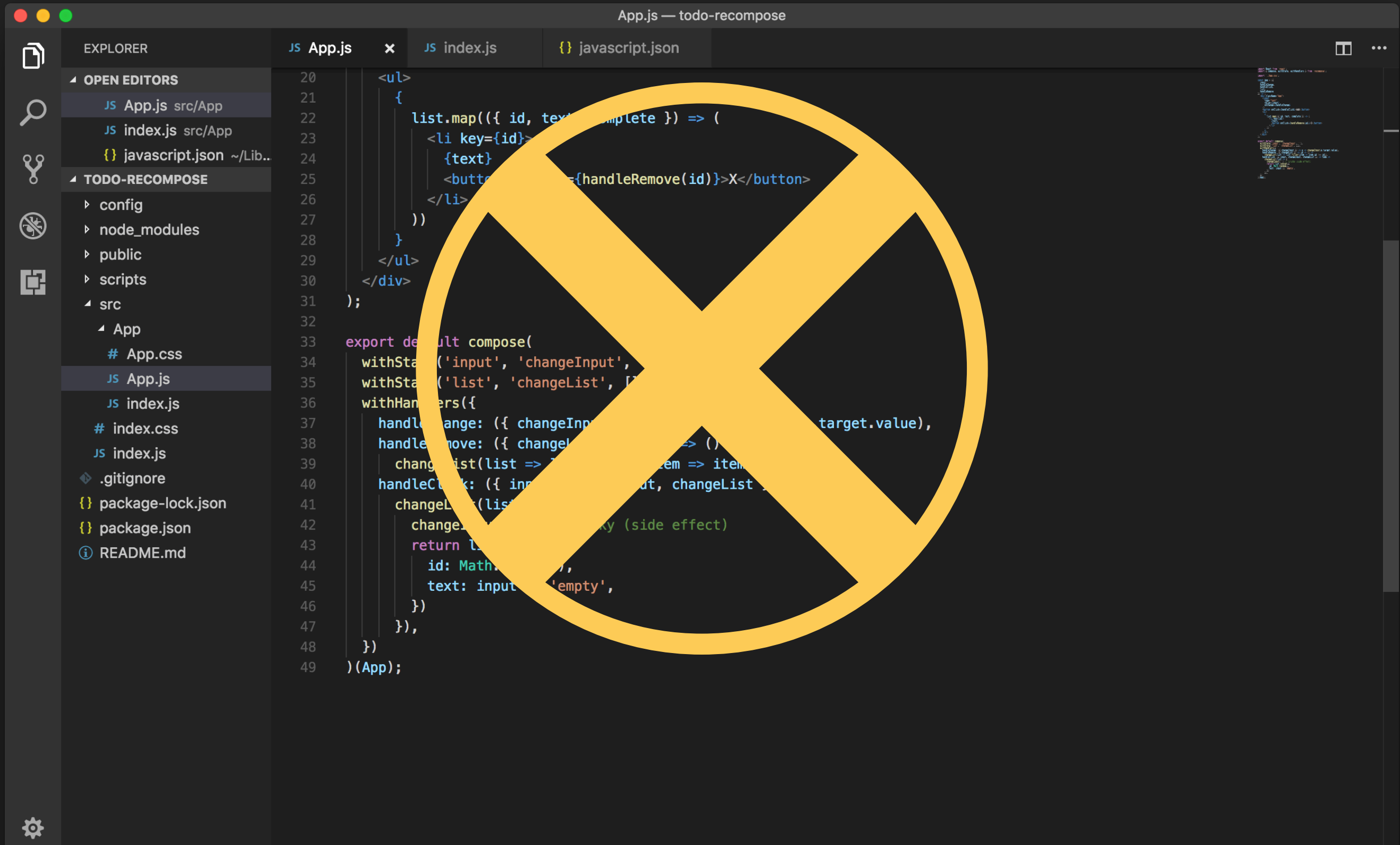
# SUMMARY

## withStateHandlers



# SUMMARY

compose    useState    withHandlers



# SUMMARY

compose   lifecycle   withState   withHandlers

The image shows a side-by-side comparison of two JavaScript files in a code editor. The left file, 'App.js', defines a React component named 'App' with props like 'input', 'handleChange', 'handleClick', 'list', and 'handleRemove'. It uses JSX to render an input field, an 'Add' button, and a list of items. The right file, 'index.js', imports the 'App' component and uses higher-order components from 'recompose' to enhance it. A large, semi-transparent green 'X' is drawn over the entire content area, indicating a conflict or error between the two versions of the component.

# SUMMARY

compose

lifecycle

withStateHandlers

withReducer

renderComponent

withHandlers

withState

branch

mapProps

withProps

renderNothing

pure

**Q & A**

# THANK YOU!

## SOURCES

React: [reactjs.org](https://reactjs.org)

Recompose: [github.com/acdlite/recompose](https://github.com/acdlite/recompose)

Yauheni Nikanovich :: [zhenyanikon@gmail.com](mailto:zhenyanikon@gmail.com)