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Webpack Bundle Analyzer .1

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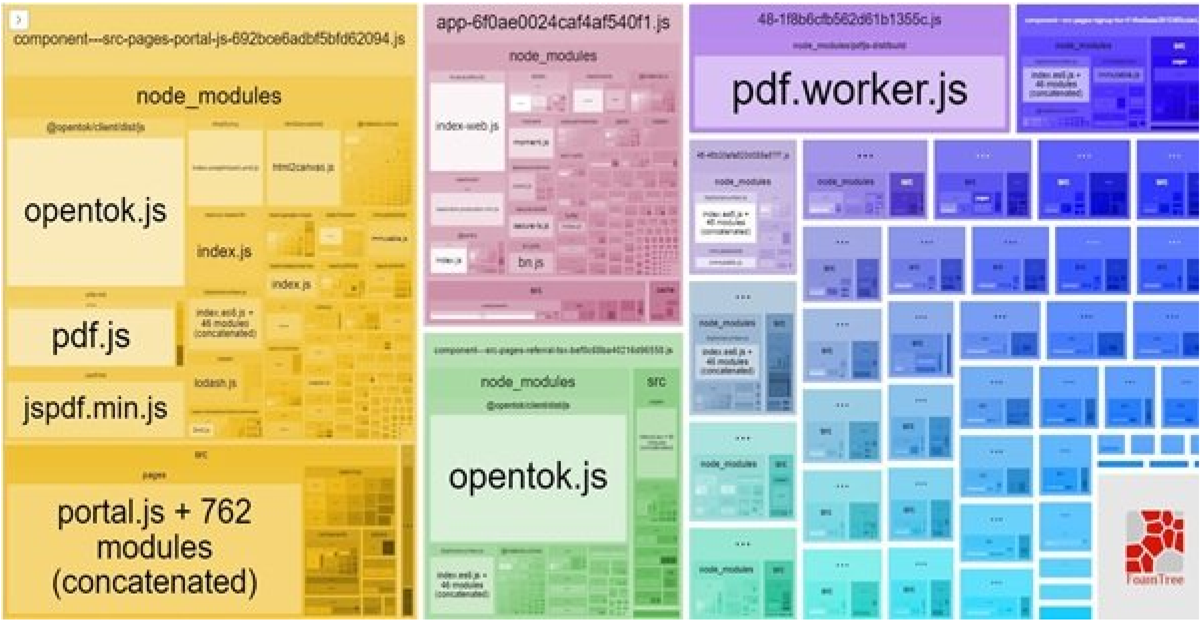

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2. React-Proto

[React-Proto](#) [illegible] props [illegible] root [illegible] src/components/ [illegible].

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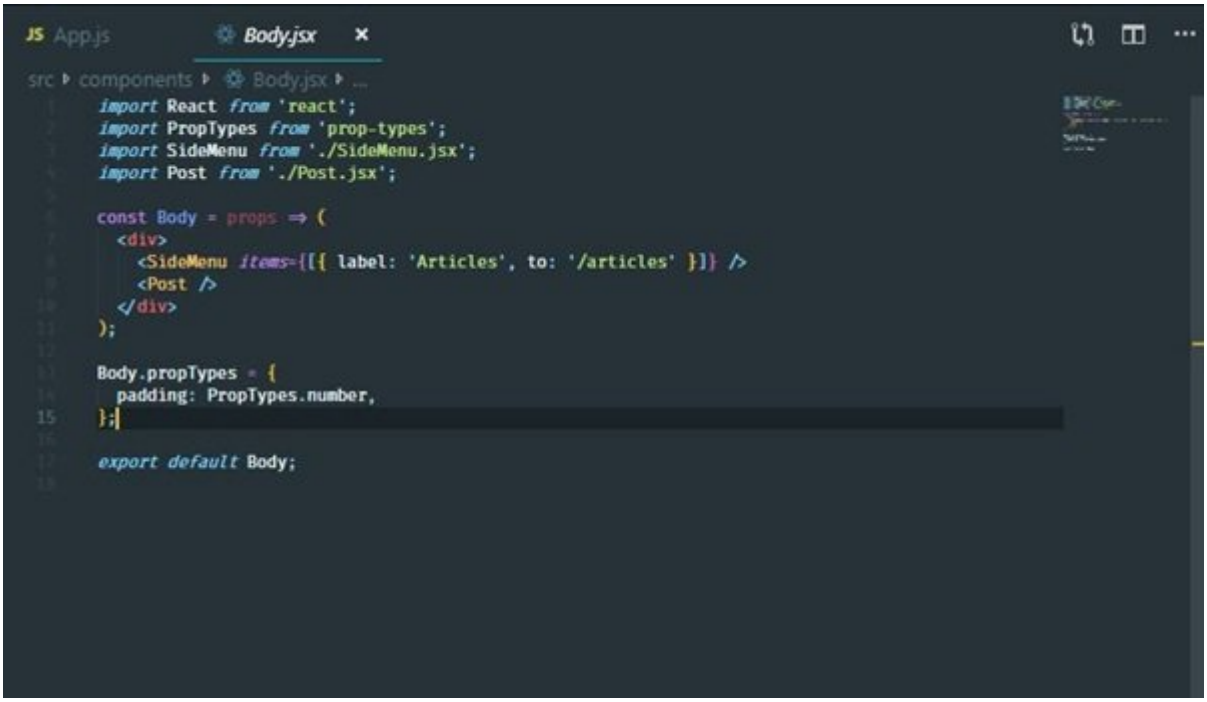
Reac-Proto

Why Did You Render .3

[Why Did You Render](#)

whyDidiYouRender



```jsx
import React from 'react'
import Button from '@material-ui/core/Button'

const Child = (props) => <div {...props} />

const Child2 = ({ children, ...props }) => (
  <div {...props}>
    {children} <Child />
  </div>
)

Child2.whyDidYouRender = true

const App = () => {
  const [state, setState] = React.useState({})

  return (
    <div>
      <Child>{JSON.stringify(state, null, 2)}</Child>
      <div>
        <Button type="button" onClick={() => setState({ hello: 'hi' })}>
          Submit
        </Button>
      </div>
      <Child2>Child #2</Child2>
    </div>
  )
}

export default App
```

wdyu.jsx hosted with ❤ by GitHub view raw

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4. Create React App

Create React App [illegible] React [illegible] Create React App [illegible].

npx create-react-app <name>

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npx create-react-app <name> - typescript

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React Lifecycle Visualizer .5

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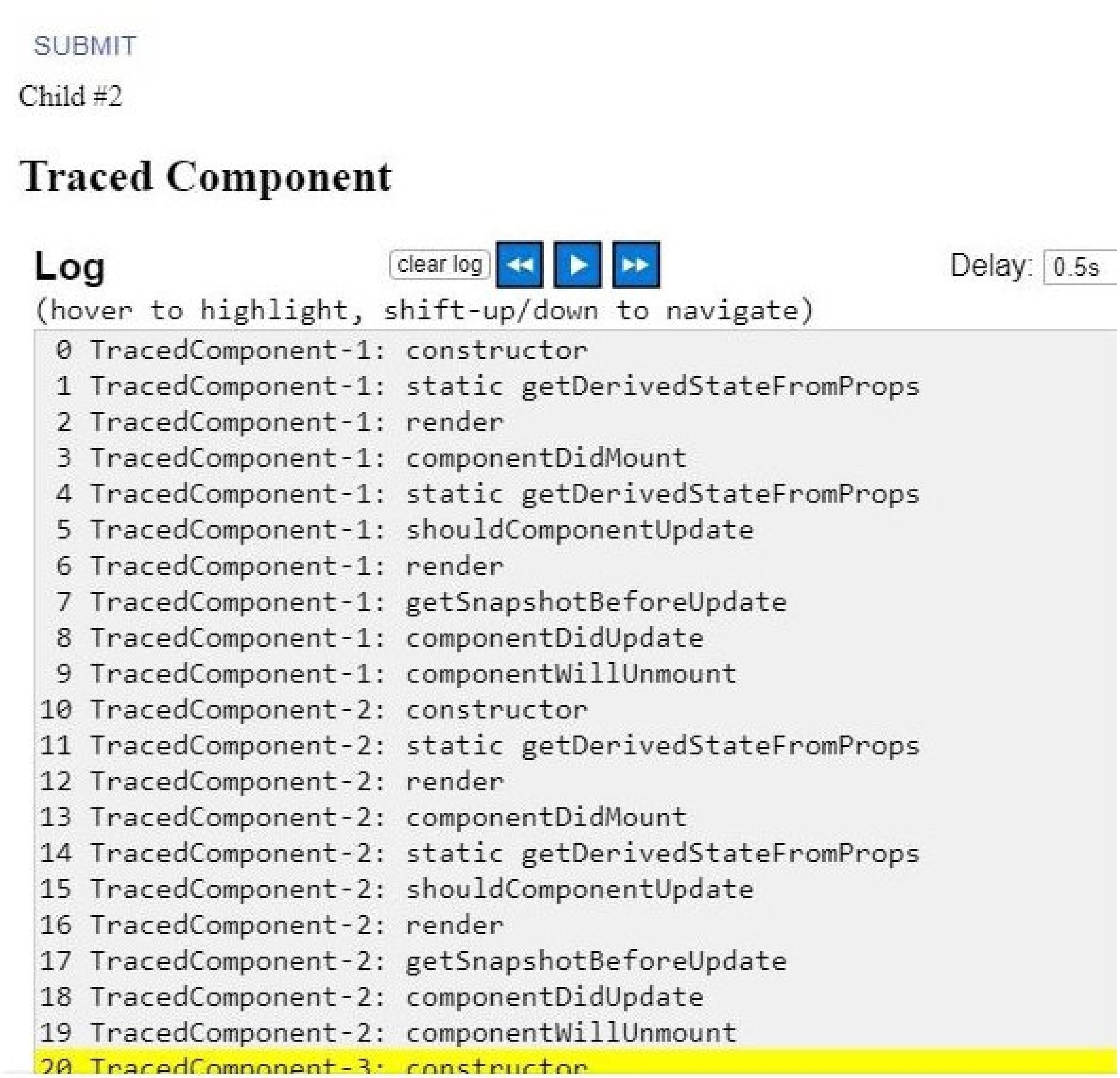

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Guppy .6

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react-testing-library .7

[React-testing-library](#) react

react-testing-library

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```
// Hoist helper functions (but not vars) to reuse between test cases
const renderComponent = ({ count }) =>
  render(
    <StateMock state={{ count }}>
      <StatefulCounter />
    </StateMock>,
  )

it('renders initial count', async () => {
  // Render new instance in every test to prevent leaking state
  const { getByText } = renderComponent({ count: 5 })

  await waitForElement(() => getByText(/clicked 5 times/i))
})

it('increments count', async () => {
  // Render new instance in every test to prevent leaking state
  const { getByText } = renderComponent({ count: 5 })

  fireEvent.click(getByText('+1'))
  await waitForElement(() => getByText(/clicked 6 times/i))
})
```

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React Developer Tools .8

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Bit .9

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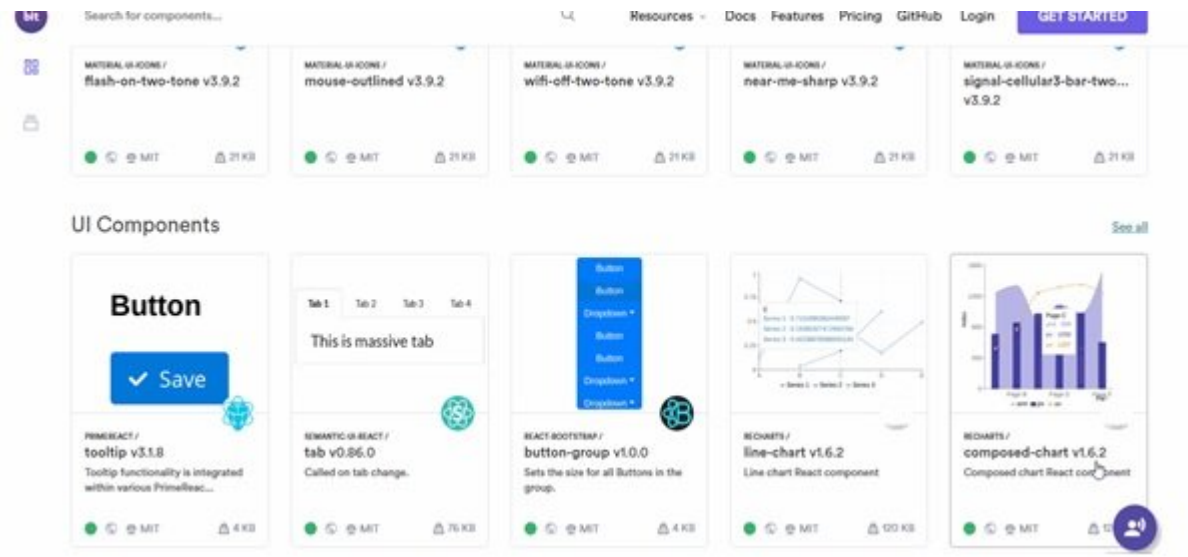

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Storybook .10

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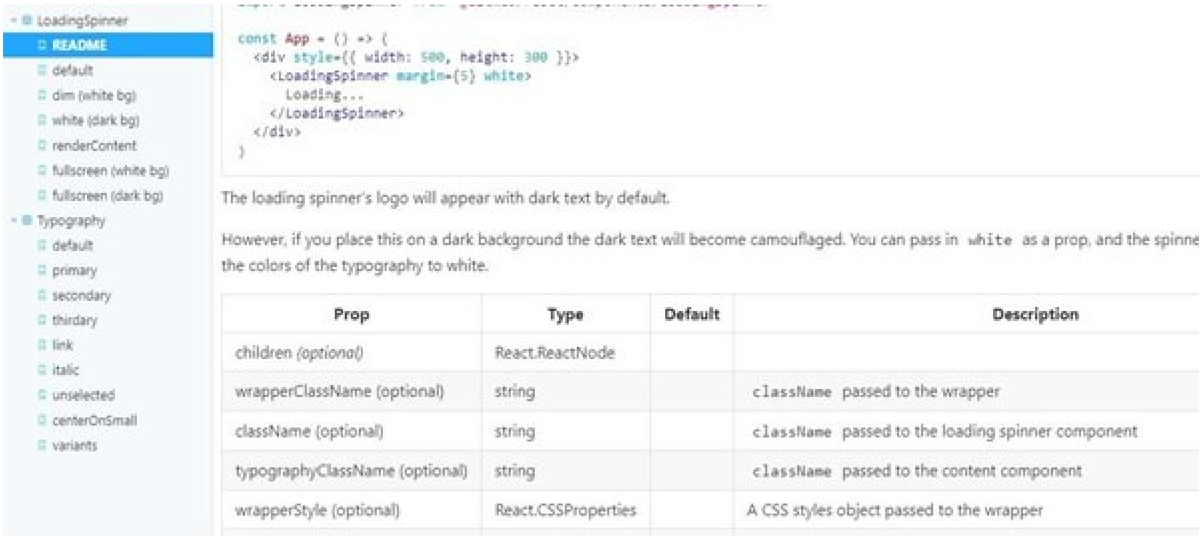

React Sight .11

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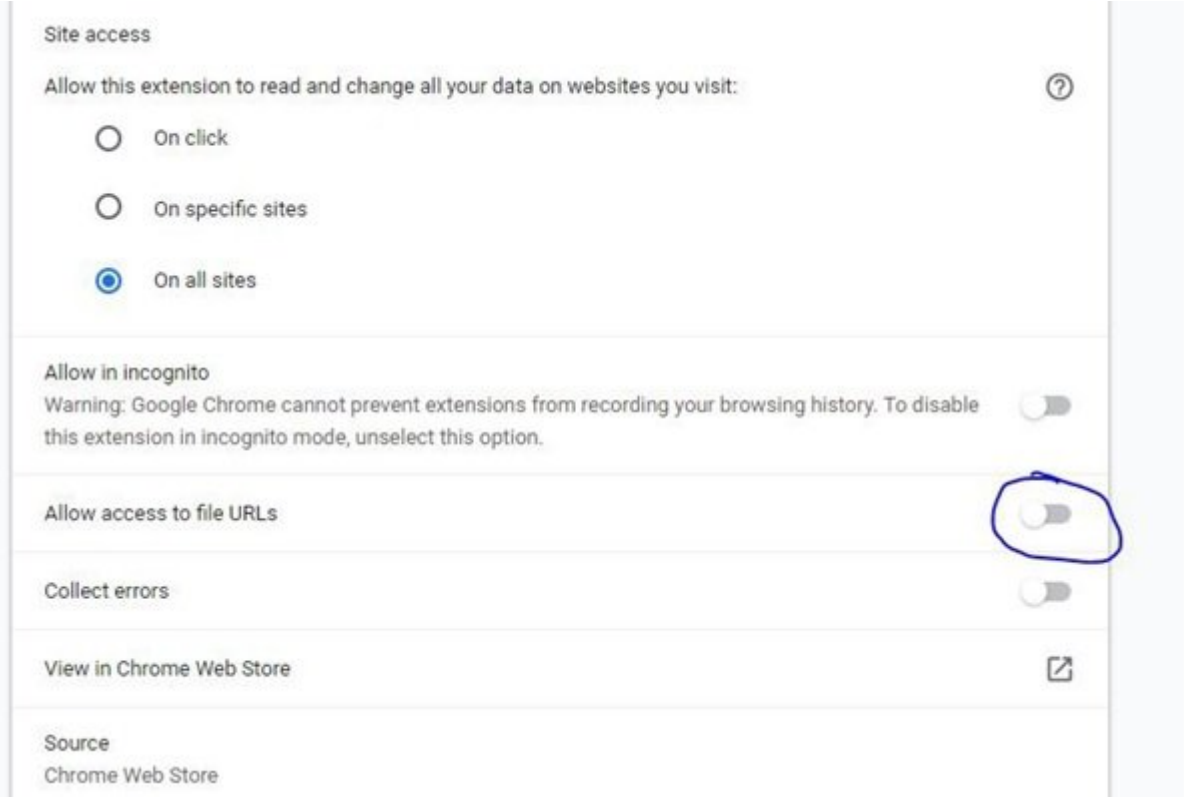

React Cosmos .12

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