

Using React Hooks

START USING REACT HOOKS WITH
USESTATE USEEFFECT AND USEREF



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What are React Hooks

Before Hooks

Render Props
Higher Order Components (HOCs)
More complex code

After Hooks

Allows for attaching reusable logic to an existing component

Use state and lifecycle methods inside a React functional component

Build 100% of your application with React functional components



Clear, composable, and
declarative way.



React Hooks makes
developing apps easier and
with less complexity.



What Makes React Hooks Great

Composition
instead of
inheritance

Best parts of mixins

Replace prop
drilling,
render props, HOCs



State helps build highly
performant web apps.



Three Commonly Used React Hooks



useState



useRef

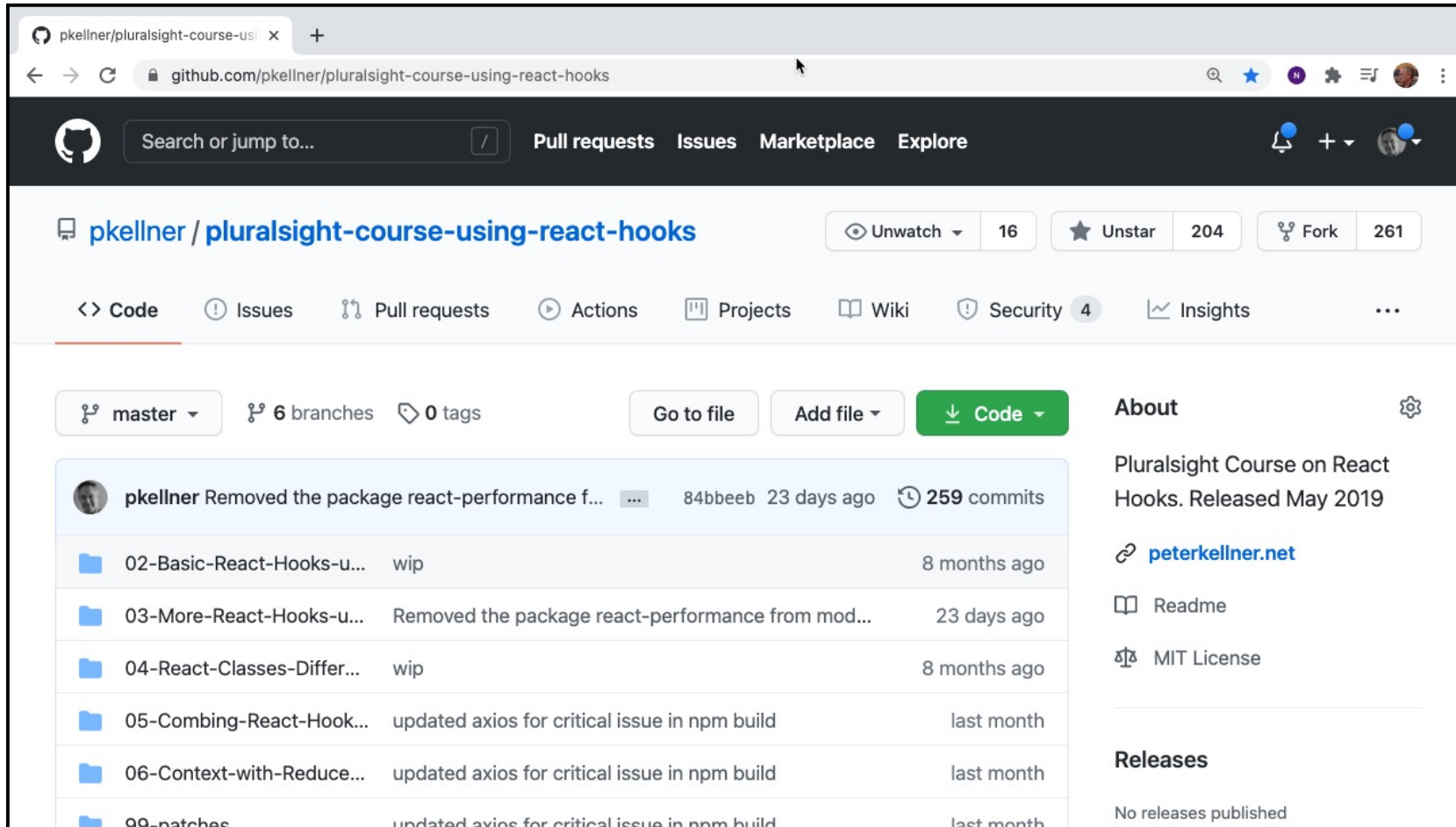


useEffect



The Course Source Code on GitHub

github.com/pkellner/pluralsight-course-using-react-hooks



The screenshot shows the GitHub repository page for `pkellner/pluralsight-course-using-react-hooks`. The repository is owned by `pkellner` and has 16 stars, 204 forks, and 261 watchers. The repository is currently on the `master` branch, with 6 branches and 0 tags. The repository description is "Pluralsight Course on React Hooks. Released May 2019". The repository is licensed under the MIT License. The repository has 259 commits, with the most recent commit by `pkellner` 23 days ago. The repository contains several files and folders, including:

- `02-Basic-React-Hooks-u...` (wip, 8 months ago)
- `03-More-React-Hooks-u...` (Removed the package react-performance from mod..., 23 days ago)
- `04-React-Classes-Differ...` (wip, 8 months ago)
- `05-Combing-React-Hook...` (updated axios for critical issue in npm build, last month)
- `06-Context-with-Reduce...` (updated axios for critical issue in npm build, last month)
- `99-patches` (updated axios for critical issue in npm build, last month)

The repository also has a README file and a MIT License file. The repository is currently on the `master` branch, with 6 branches and 0 tags. The repository has 259 commits, with the most recent commit by `pkellner` 23 days ago.

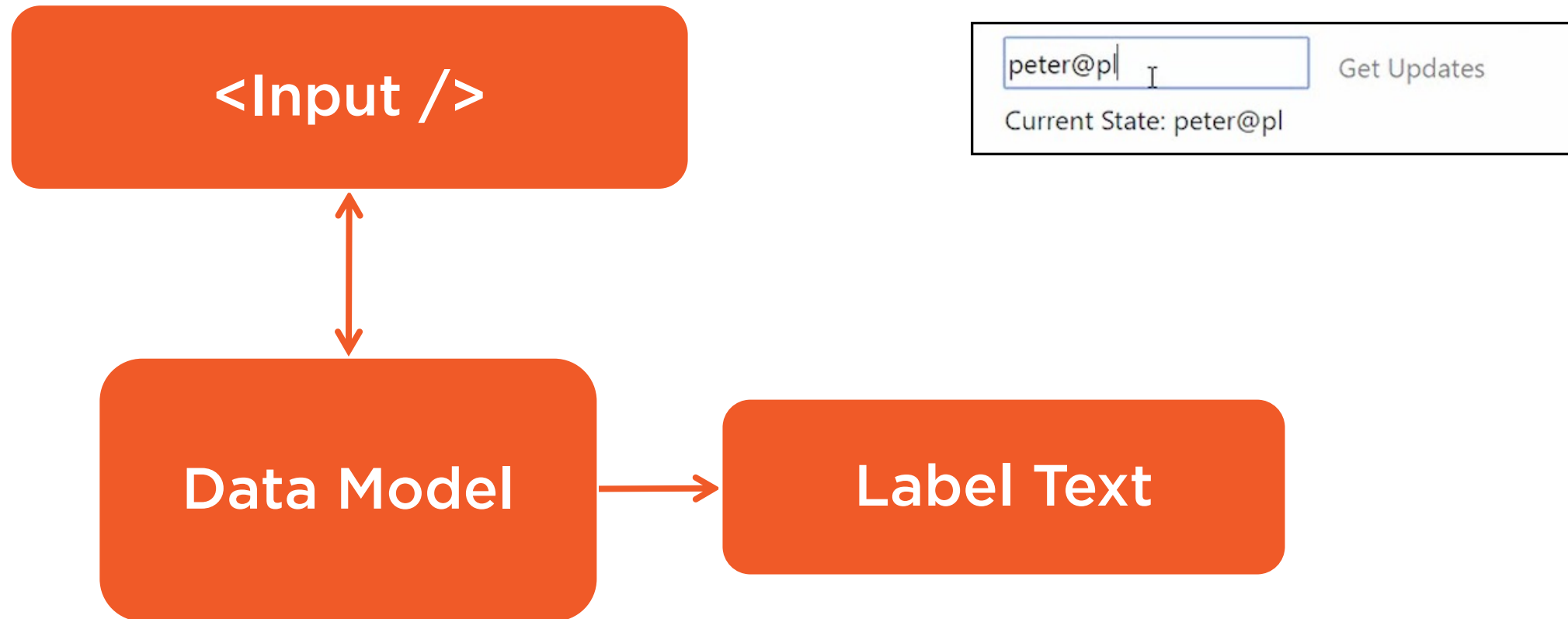


Two-way Data Binding

Get Updates
Current State: peter@pl



Two-way Data Binding




Create a New React App – React

+

← → ↺

https://reactjs.org/docs/create-a-new-react-app.html

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 **React**

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When you're ready to deploy to production, running `npm run build` will create an optimized build of your app in the `build` folder. You can learn more about Create React App [from its README](#) and the [User Guide](#).

Next.js

[Next.js](#) is a popular and lightweight framework for **static and server-rendered applications** built with React. It includes **styling and routing solutions** out of the box, and assumes that you're using [Node.js](#) as the server environment.

Learn Next.js from [its official guide](#).

Gatsby

INSTALLATION ^

Getting Started

Add React to a Website

Create a New React App

CDN Links

MAIN CONCEPTS v

ADVANCED GUIDES v

API REFERENCE v

HOOKS (NEW) v



Steps for Creating a New NextJS Site



```
npm init -y
```

```
npm install react react-dom next
```

```
mkdir pages
```



Class and Functional Components Compared

React Class Component

`componentDidMount() {...}`

`componentDidUpdate() {...}`

`componentWillUnmount() {...}`

React Functional Component

`useEffect(() => {...})`

`useEffect(() => {...})`

`useEffect(() => { ... return () => {...} })`



State helps build highly
performant web apps.



useRef

Primarily used to allow access directly to an element in the DOM.



Side effects



Side effects === bad thing?



Side effects === bad thing?



Pure functional component
with no side effects is also
called “pure”.



React Hook useEffect
causes side effects.



Adding and removing DOM
listeners is great example



Pure component
guarantees no side effect,
non pure may also have
none.

