Chapter 1: Introducing React and React Hooks

Edit src/App.js and save to reload.

Learn React
My name is: Captain Hook

Captain Hook
Chapter 2: Using the State Hook

My name is: Captain Hook

My name is: Hook
My name is: Hook
Chapter 3: Writing Your First Application with React Hooks

Logged in as: Daniel Bugl

Author: Daniel Bugl
Title:

Create

React Hooks

The greatest thing since sliced bread!

Written by Daniel Bugl

Using React Fragments

Keeping the DOM tree clean!

Written by Daniel Bugl
React Hooks
The greatest thing since sliced bread!
Written by Daniel Bugl

Using React Fragments
Keeping the DOM tree clean!
Written by Daniel Bugl
React Hooks

The greatest thing since sliced bread!

Written by Daniel Bugl

Using React Fragments

Keeping the DOM tree clean!

Written by Daniel Bugl
React Hooks

The greatest thing since sliced bread!

*Written by Daniel Bugl*

Using React Fragments

Keeping the DOM tree clean!

*Written by Daniel Bugl*
Logged in as: **Daniel Bugl**  Logout

Author: **Daniel Bugl**
Title:

Create

---

**React Hooks**

The greatest thing since sliced bread!

*Written by Daniel Bugl*

---

**Using React Fragments**

Keeping the DOM tree clean!

*Written by Daniel Bugl*
Logged in as: Test User

Author: Test User
Title: Hello World

IT WORKS

Hello World

IT WORKS

Written by Test User

React Hooks

The greatest thing since sliced bread!
Chapter 4: Using the Reducer and Effect Hooks

React Hooks

The greatest thing since sliced bread!

Written by Daniel Bugl

Using React Fragments
React Hooks

The greatest thing since sliced bread!

Written by Daniel Bugl
Chapter 5: Implementing React Context

Hello World

Hello World

Hello World

This is a test
React Hooks Blog

Username: [Input]  Password: [Input]  Login
Username: [Input]  Password: [Input]  Repeat
password: [Input]  Register

---

React Hooks

The greatest thing since sliced bread!

Written by Daniel Bugl

---

Using React Fragments

Keeping the DOM tree clean!

Written by Daniel Bugl
React Hooks Blog

Change theme:  Primary / Secondary  Primary / Secondary

Username: [ ]  Password: [ ]  Login
Username: [ ]  Password: [ ]  Repeat password: [ ]  Register

React Hooks

The greatest thing since sliced bread!

Written by Daniel Bugl

Using React Fragments

Keeping the DOM tree clean!

Written by Daniel Bugl
Chapter 6: Implementing Requests and React Suspense

```json
{
    "id": "react-hooks",
    "title": "React Hooks",
    "content": "The greatest thing since sliced bread!",
    "author": "Daniel Bugl"
}
```

```json
[
    {
        "id": 1,
        "username": "Daniel Bugl",
        "password": "supersecure42"
    }
]
```
React Hooks

Change theme:  Primary / Secondary  Primary / Secondary  Primary / Secondary

Username:  Password:  Login
Username:  Password:  Repeat password:  Register

React Hooks

The greatest thing since sliced bread!
Written by Daniel Bug!

Using React Fragments
Keeping the DOM tree clean!
Written by Daniel Bug!
React Hooks Blog

Change theme:

Username: [input] Password: [input] Login
Username: [input] Password: [input] Repeat password: [input] Register

Failed to fetch posts

React Hooks Blog

Change theme: Primary / Secondary  Primary / Secondary  Primary / Secondary

Username: [input] Password: [input] Login  Invalid username or password
Username: [input] Password: [input] Repeat password: [input] Register

Using React Fragments

Keeping the DOM tree clean!
Download the React DevTools for a better development experience: https://fb.me/react-devtools

rendering Post

>
React Hooks Blog

Change theme: Primary / Secondary Primary / Secondary

Logged in as: Test User Logout

Author: Test User
Title: 

React Hooks

The greatest thing since sliced bread!

Written by Daniel Bug!

Using React Fragments

[ 21 ]
Chapter 7: Using Hooks for Routing

React Hooks Blog

Change theme: Primary / Secondary Primary / Secondary Primary / Secondary

Username: Password: Login
Username: Password: Repeat password: Register

Using React Fragments
Keeping the DOM tree clean!

View full post

Written by Daniel Bugl

React Hooks

The greatest thing since slice...

View full post

Written by Daniel Bugl
React Hooks Blog

Change theme: Primary / Secondary Primary / Secondary Primary / Secondary

Username: Password: Login
Username: Password: Repeat password: Register

Go back

Using React Fragments
Keeping the DOM tree clean!

Written by Daniel Bugl

/react/EnQOX_e
Chapter 8: Using Community Hooks

React Hooks Blog

Using React Fragments

Keeping the DOM tree clean!

View full post

Written by Daniel Bugli

React Hooks
React Hooks Blog

Using React Fragments

Keeping the DOM tree clean!

Written by Daniel Bugl

/view/react-fragments
<table>
<thead>
<tr>
<th>Author: <strong>Daniel Bugl</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Title: <strong>Test Post</strong></td>
</tr>
<tr>
<td>This is a test of the undo</td>
</tr>
</tbody>
</table>
Chapter 9: Rules of Hooks

My name is: Hook

My name is: Hook
⚠️ Warning: React has detected a change in the order of Hooks `index.js:1446` called by MyName. This will lead to bugs and errors if not fixed. For more information, read the Rules of Hooks: [https://fb.me/rules-of-hooks](https://fb.me/rules-of-hooks)

<table>
<thead>
<tr>
<th>Previous render</th>
<th>Next render</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. useState</td>
<td>useState</td>
</tr>
<tr>
<td>2. useState</td>
<td>useState</td>
</tr>
<tr>
<td>3. undefined</td>
<td>useState</td>
</tr>
</tbody>
</table>

in MyName (at src/index.js:7)
Rendered more hooks than during the previous render.

6 stack frames were collapsed.

MyName
src/App.js:3

```javascript
1 | import React, { useState } from 'react'
2 |
3 | function MyName () {
4 |   const [ enableFirstName, setEnableFirstName ] = useState(false)
5 |   const [ name, setName ] = enableFirstName
6 |   ? useState('')
```

View compiled

20 stack frames were collapsed.

This screen is visible only in development. It will not appear if the app crashes in production.
Open your browser's developer console to further inspect this error.

Uncaught Invariant Violation: Rendered more hooks than during the previous render.
at invariant (http://localhost:3000/static/js/0.chunk.js:5335:19)
at updateWorkInProgressHook (http://localhost:3000/static/js/0.chunk.js:18859:39)
at updateReducer (http://localhost:3000/static/js/0.chunk.js:18916:18)
at useState (http://localhost:3000/static/js/0.chunk.js:19069:14)
at Object.useState (http://localhost:3000/static/js/0.chunk.js:19645:20)
at useState (http://localhost:3000/static/js/0.chunk.js:31283:25)
at MyName (http://localhost:3000/static/js/main.chunk.js:49:74)
at renderWithHooks (http://localhost:3000/static/js/0.chunk.js:18728:22)
at updateFunctionComponent (http://localhost:3000/static/js/0.chunk.js:20478:24)
at beginWork (http://localhost:3000/static/js/0.chunk.js:21533:20)
at performUnitOfWork (http://localhost:3000/static/js/0.chunk.js:25563:16)
```
dan@galaxy ~/D/H/C/chapter9_1 (master)> npm run lint

> chapter8_5@1.0.0 lint /Users/dan/Development/Hands-On-Web-Development-with-Hooks/Chapter09/chapter9_1
> npx eslint src/

src/pages/HomePage.js
  22:8  warning  React Hook useEffect has a missing dependency: 'dispatch'. Either include it or remove the dependency array  react-hooks/exhaustive-deps

src/post/CreatePost.js
  32:6  warning  React Hook useEffect has a missing dependency: 'cancelDebounce'. Either include it or remove the dependency array react-hooks/exhaustive-deps
  46:6  warning  React Hook useEffect has a missing dependency: 'navigation'. Either include it or remove the dependency array  react-hooks/exhaustive-deps

src/user/Login.js
  30:6  warning  React Hook useEffect has a missing dependency: 'dispatch'. Either include it or remove the dependency array  react-hooks/exhaustive-deps

src/user/Register.js
  23:8  warning  React Hook useEffect has a missing dependency: 'dispatch'. Either include it or remove the dependency array  react-hooks/exhaustive-deps

* 5 problems (0 errors, 5 warnings)
  0 errors and 5 warnings potentially fixable with the `--fix` option.
```
error React Hook "useInput" is called conditionally. React Hooks must be called in the exact same order in every component render.

warning React Hook useEffect has a missing dependency: 'dispatch'. Either include it or remove the dependency array.

6 problems (1 error, 5 warnings)
0 errors and 5 warnings potentially fixable with the `--fix` option.

-A complete log of this run can be found in:

dan@galaxy ~/D/H/C/chapter9_1 (master) [1]>

> chapter8_5@1.0.0 lint /Users/dan/Development/Hands-On-Web-Development-with-Hooks/Chapter09/chapter9_2
> npx eslint src/

dan@galaxy ~/D/H/C/chapter9_2 (master) >
Chapter 10: Building Your Own Hooks

PASS src/hooks/usePostsState.test.js
PASS src/hooks/useUserState.test.js
PASS src/hooks/useCounter.test.js
PASS src/hooks/useDebouncedUndo.test.js
PASS src/hooks/useDispatch.test.js
PASS src/hooks/useTheme.test.js

Test Suites: 6 passed, 6 total
Tests: 15 passed, 15 total
Snapshots: 0 total
Time: 6.369s
Ran all test suites related to changed files.

Watch Usage
- Press a to run all tests.
- Press f to run only failed tests.
- Press p to filter by a filename regex pattern.
- Press q to quit watch mode.
- Press t to filter by a test name regex pattern.
- Press Enter to trigger a test run.

dan@galaxy ~/D/H/C/chapter10_4 (master)> npm test
Chapter 11: Migrating from React Class Components

**Todo**

- Write React Hooks book
- Promote book

---

**all / active / completed**
Chapter 12: Redux and Hooks

Diagram:

- **State** contains **Store**
- **Store** updates **Reducer**
- **Reducer** sends to **Actions**
- **UI** defines
- **UI** triggers
Redux updates state via actions and React renders the application state. User actions trigger state updates in Redux, which in turn are reflected in the React application.
Chapter 13: MobX and Hooks

Diagram:

- Events → Actions
  - Modify → State
    - Updates → Computed values
      - Trigger → Reactions