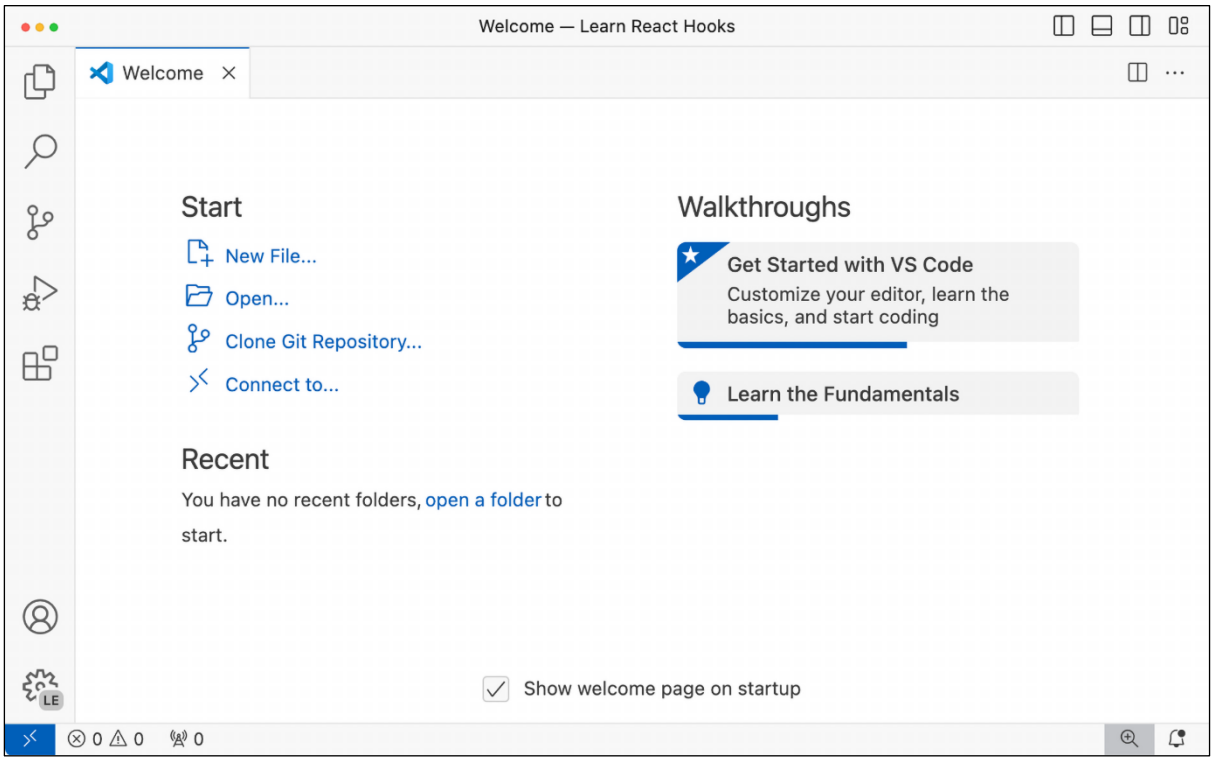
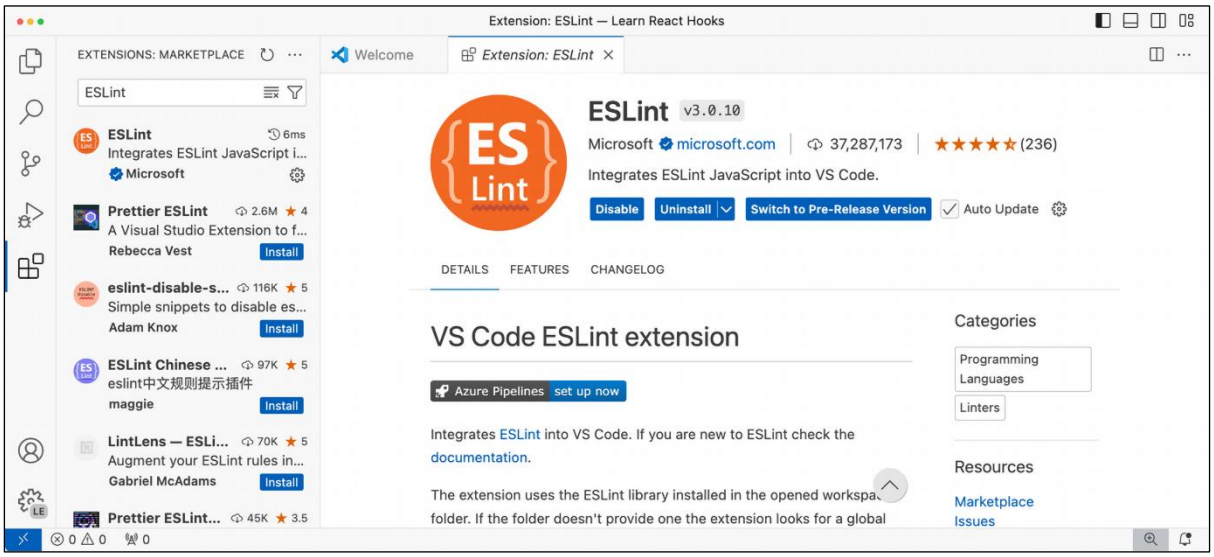
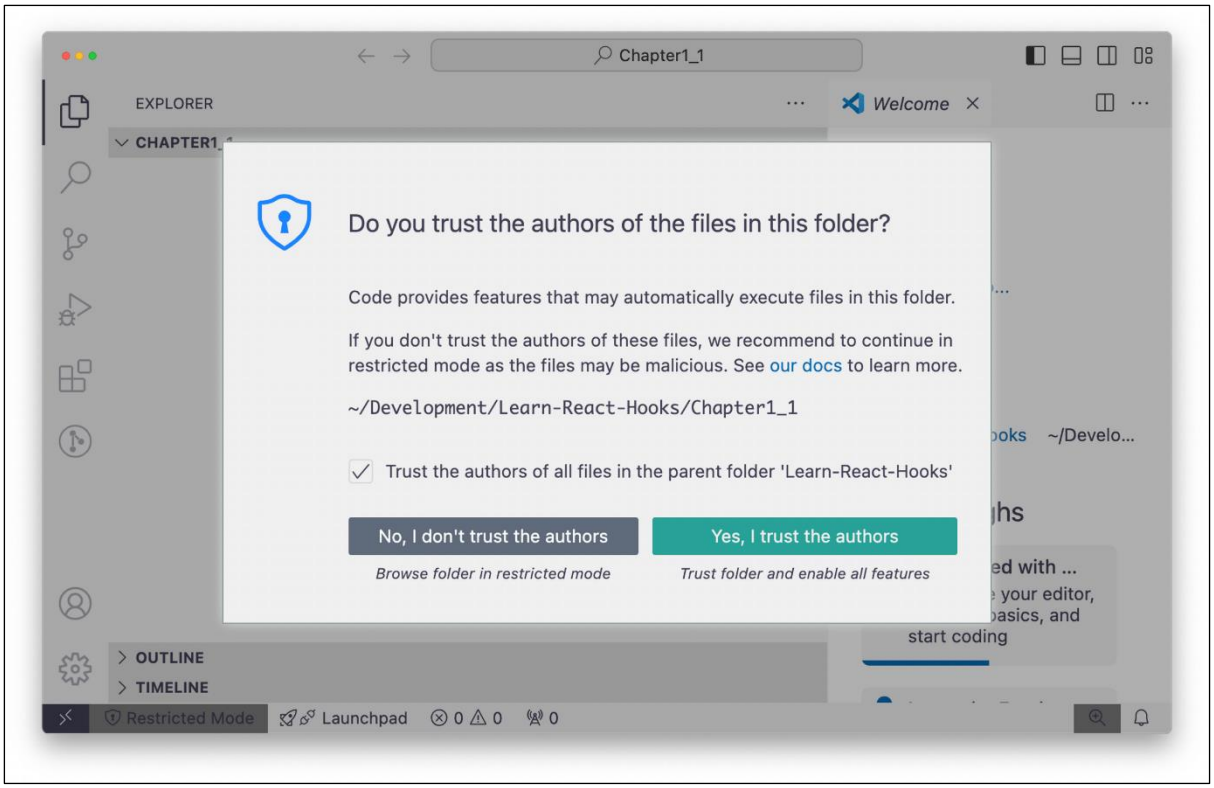
Chapter 1: Introducing React and React Hooks








```
● → ~/D/L/Chapter01_1 > npm create vite@6.2.0 .
  Need to install the following packages:
  create-vite@6.2.0
  Ok to proceed? (y)


  > npx
  > cva .

  ✔ Current directory is not empty. Please choose how to proceed: › Remove existing files and continue
  ✔ Package name: … chapter01-1
  ✔ Select a framework: › React
  ✔ Select a variant: › JavaScript

  Scaffolding project in /Users/dan/Developer/Learn/Chapter01_1...

  Done. Now run:

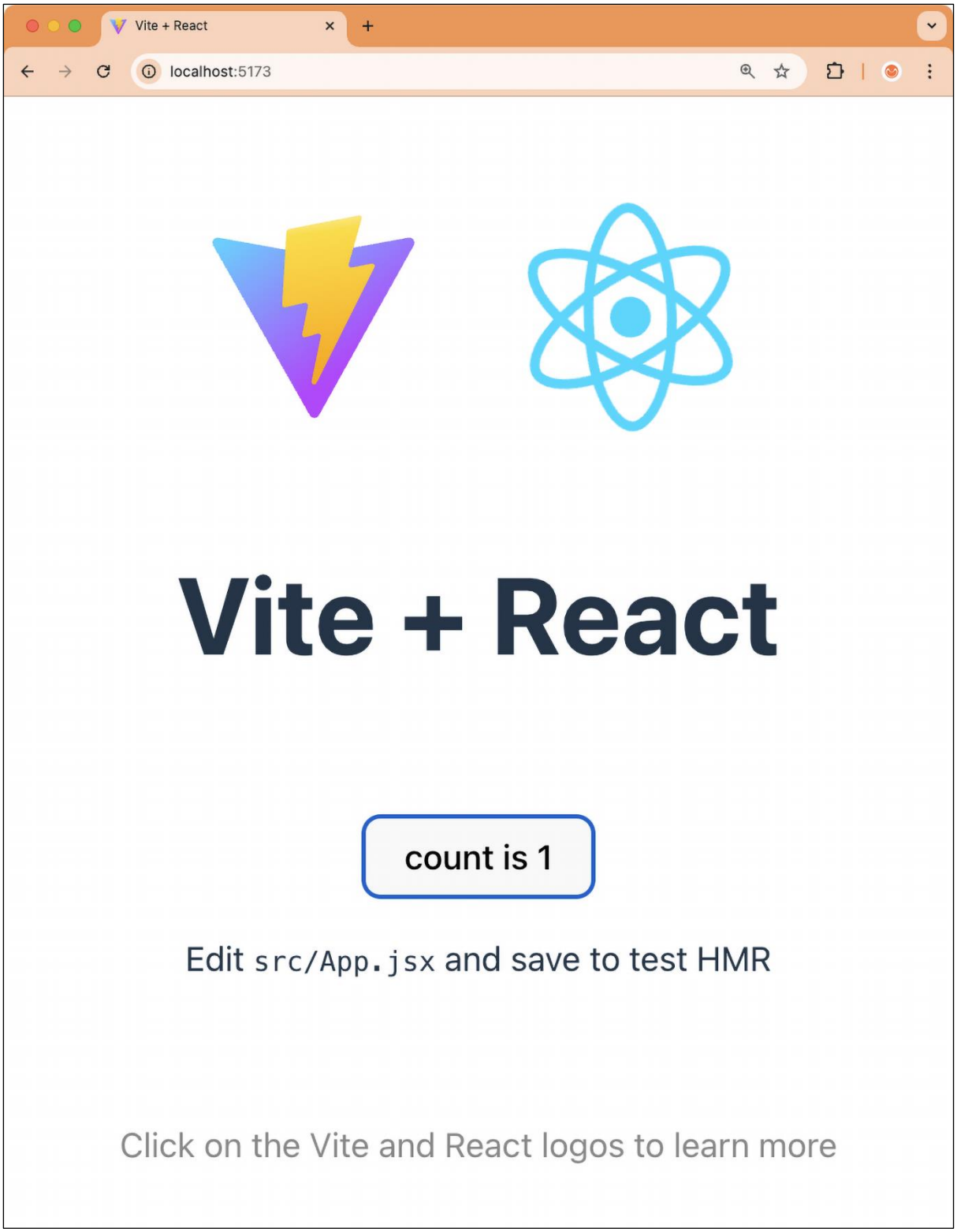
    npm install
    npm run dev

● → ~/D/L/Chapter01_1 > npm install

  added 260 packages, and audited 261 packages in 10s

  108 packages are looking for funding
    run `npm fund` for details

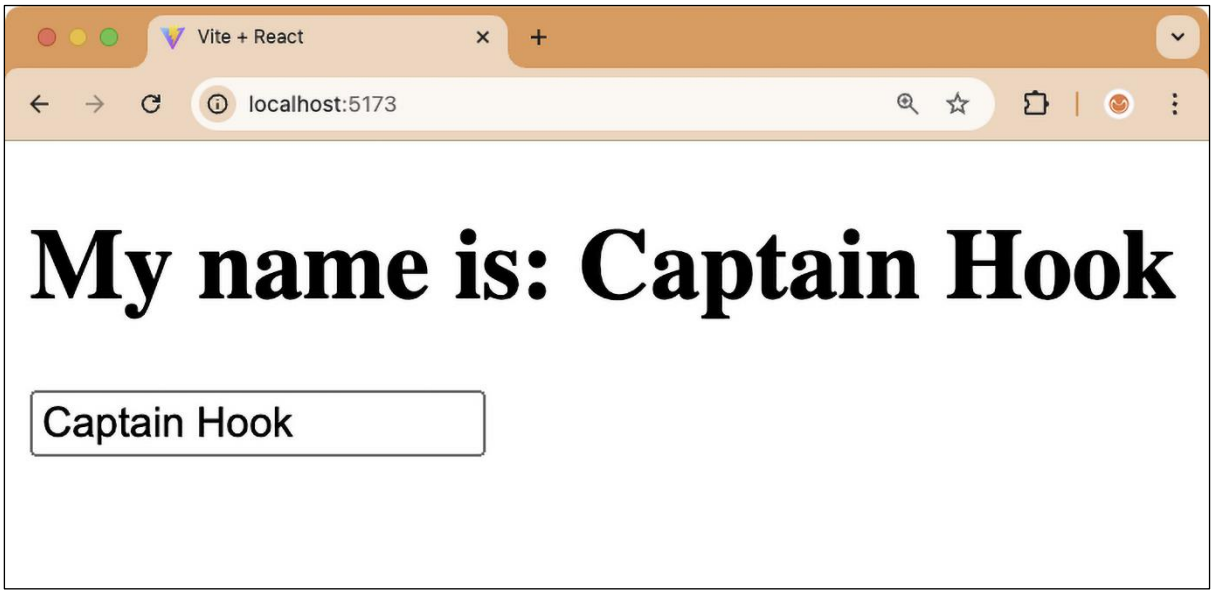
  found 0 vulnerabilities
✧ → ~/D/L/Chapter01_1 > npm run dev
```


Vite + React
localhost:5173
Vite + React
count is 1
Edit src/App.jsx and save to test HMR
Click on the Vite and React logos to learn more

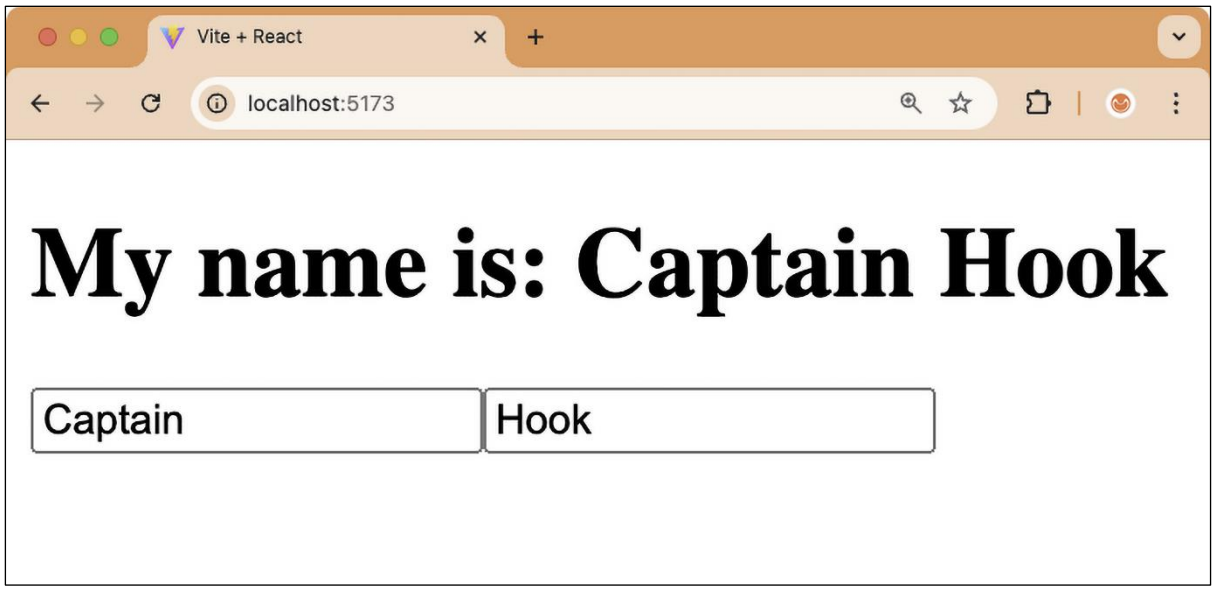
```
➜ ~/D/L/Chapter1_1 > npm run lint

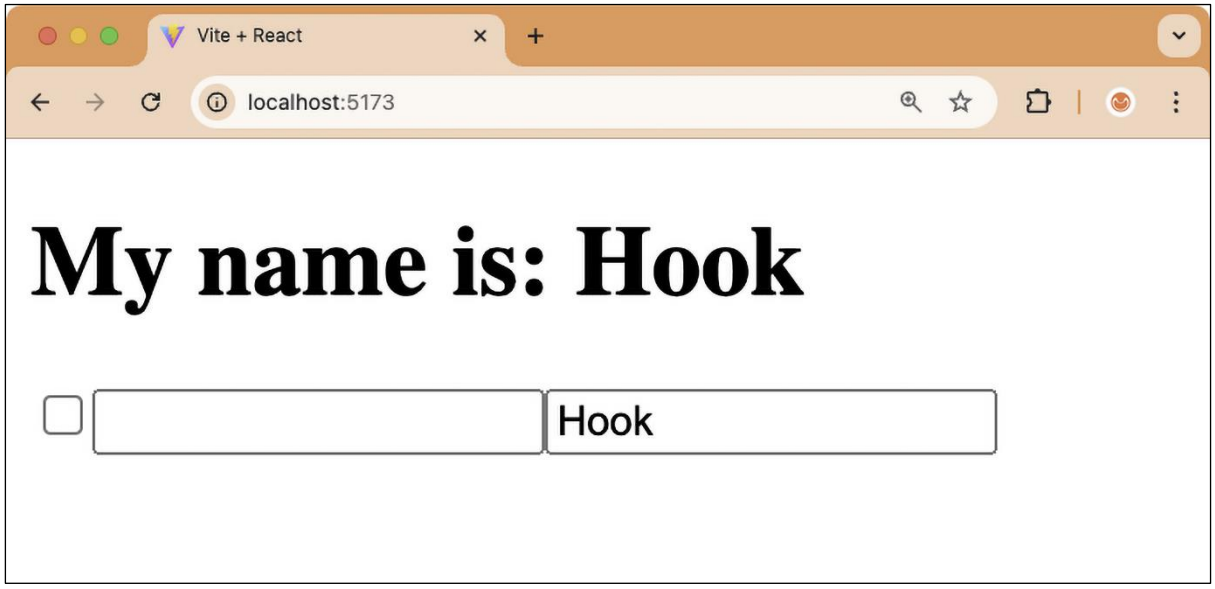
  > chapter1-1@0.0.0 lint
  > eslint src

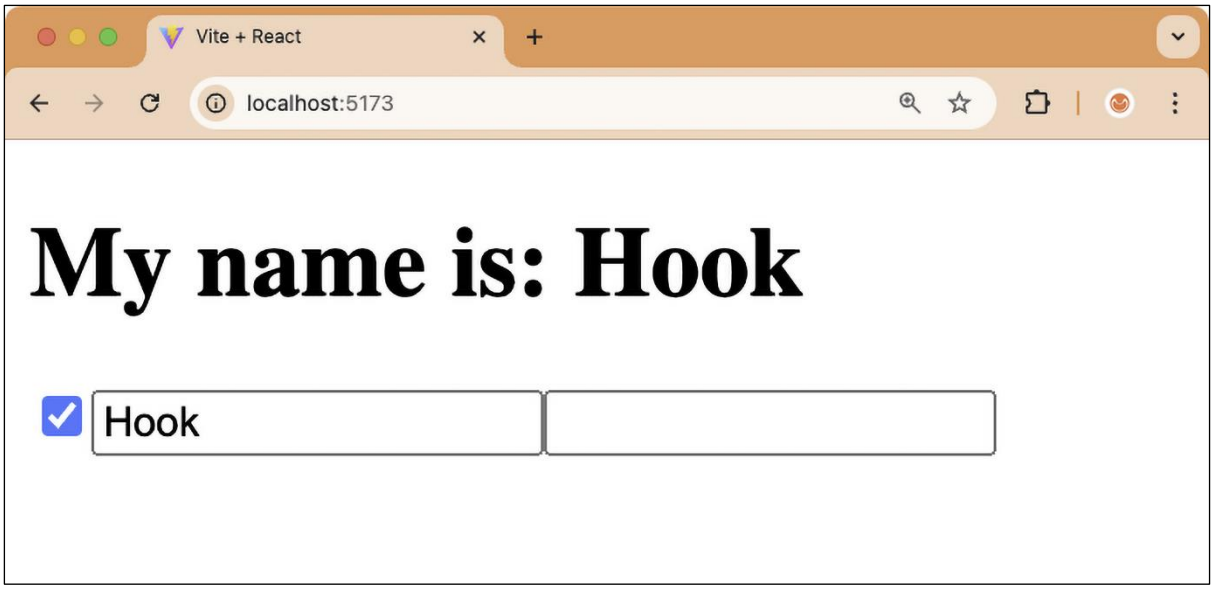
➜ ~/D/L/Chapter1_1 >
```

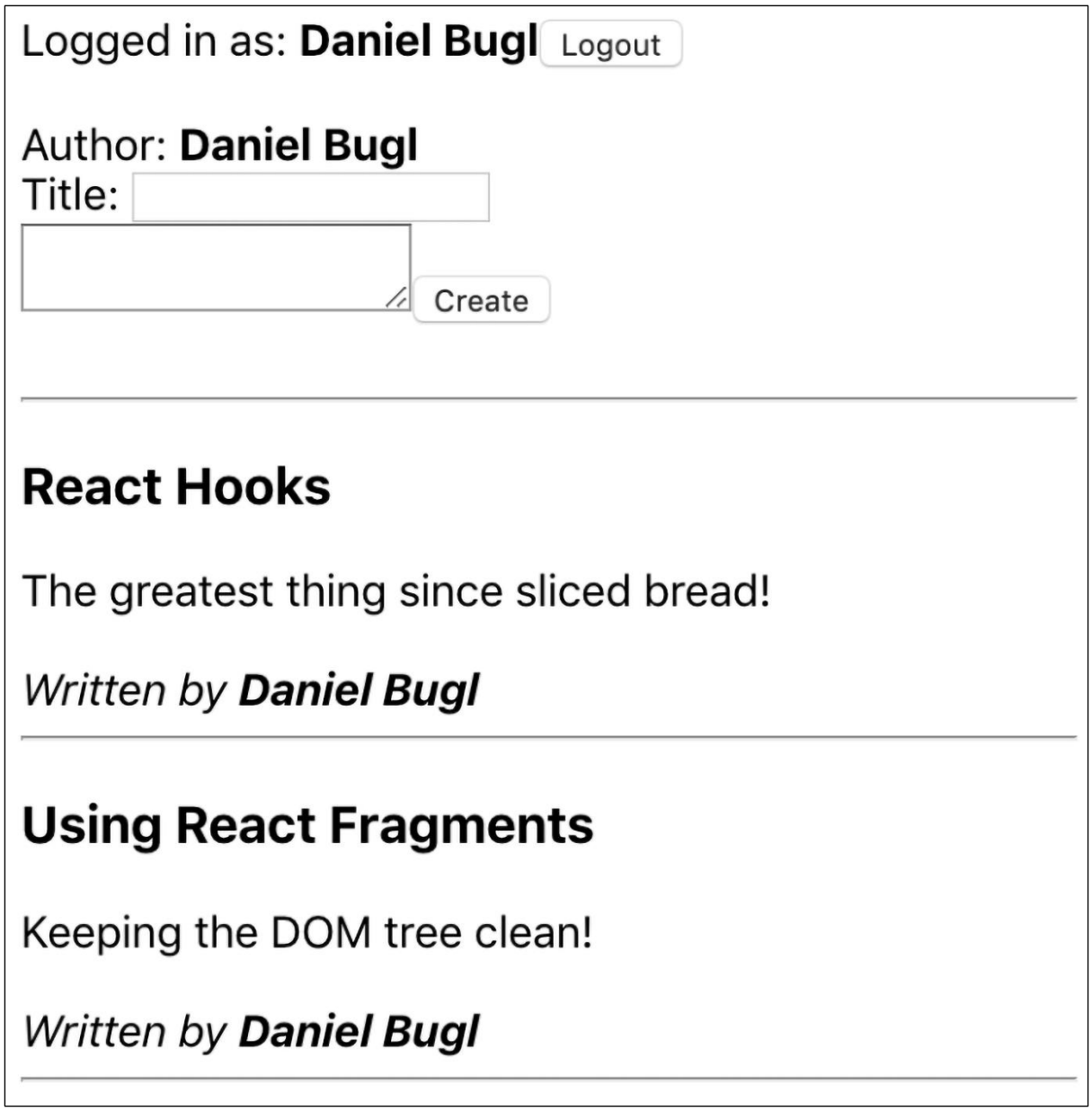


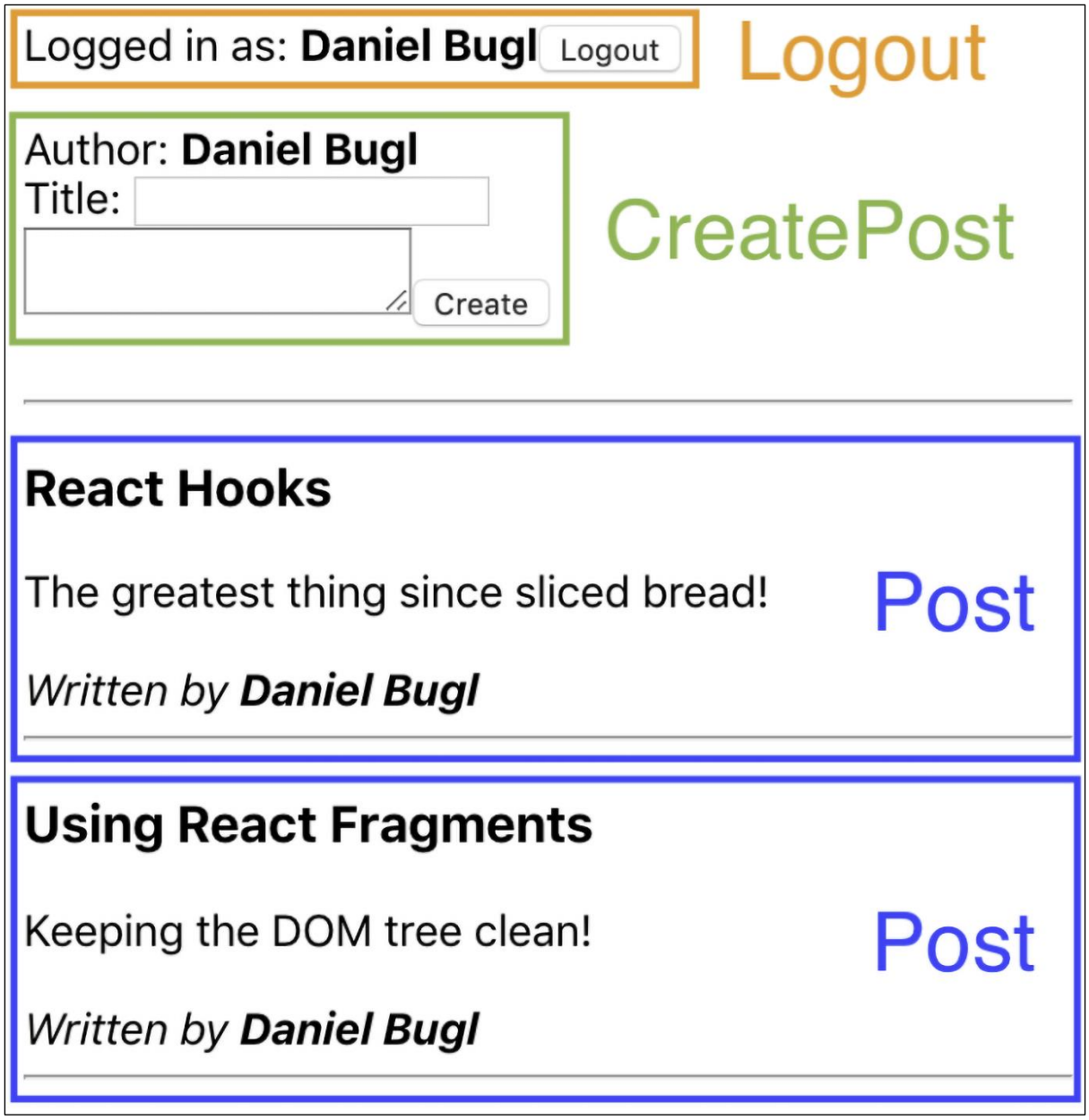
Chapter 2: Using the State Hook



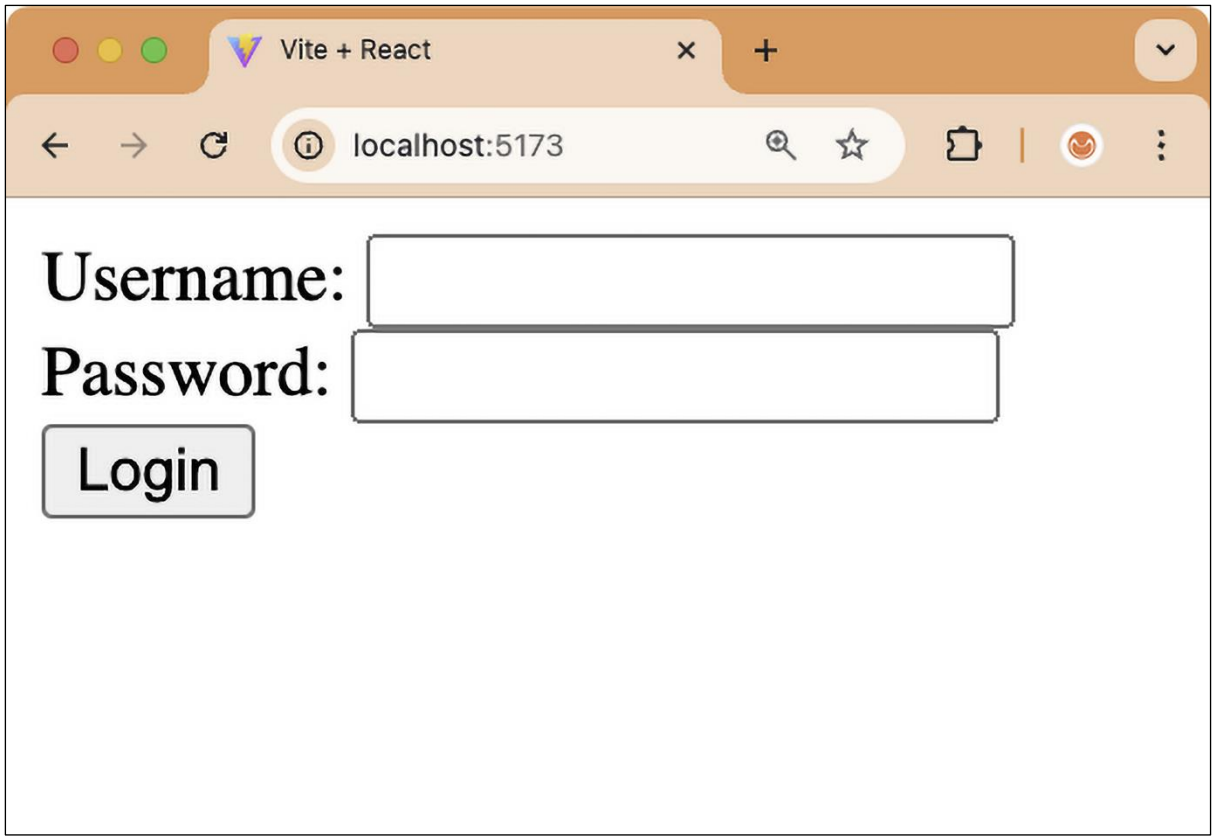


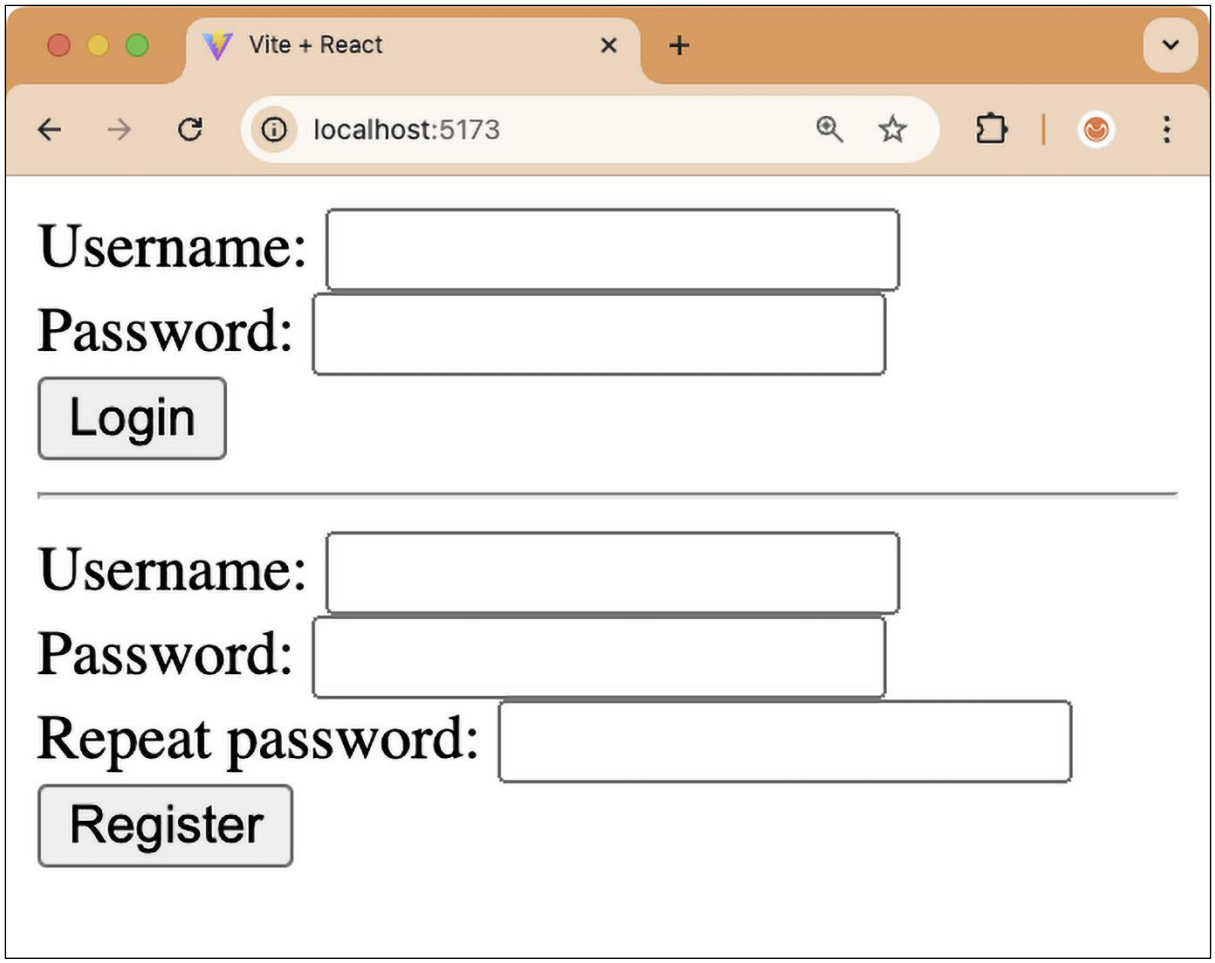

Vite + React
localhost:5173
My name is: Hook
Hook

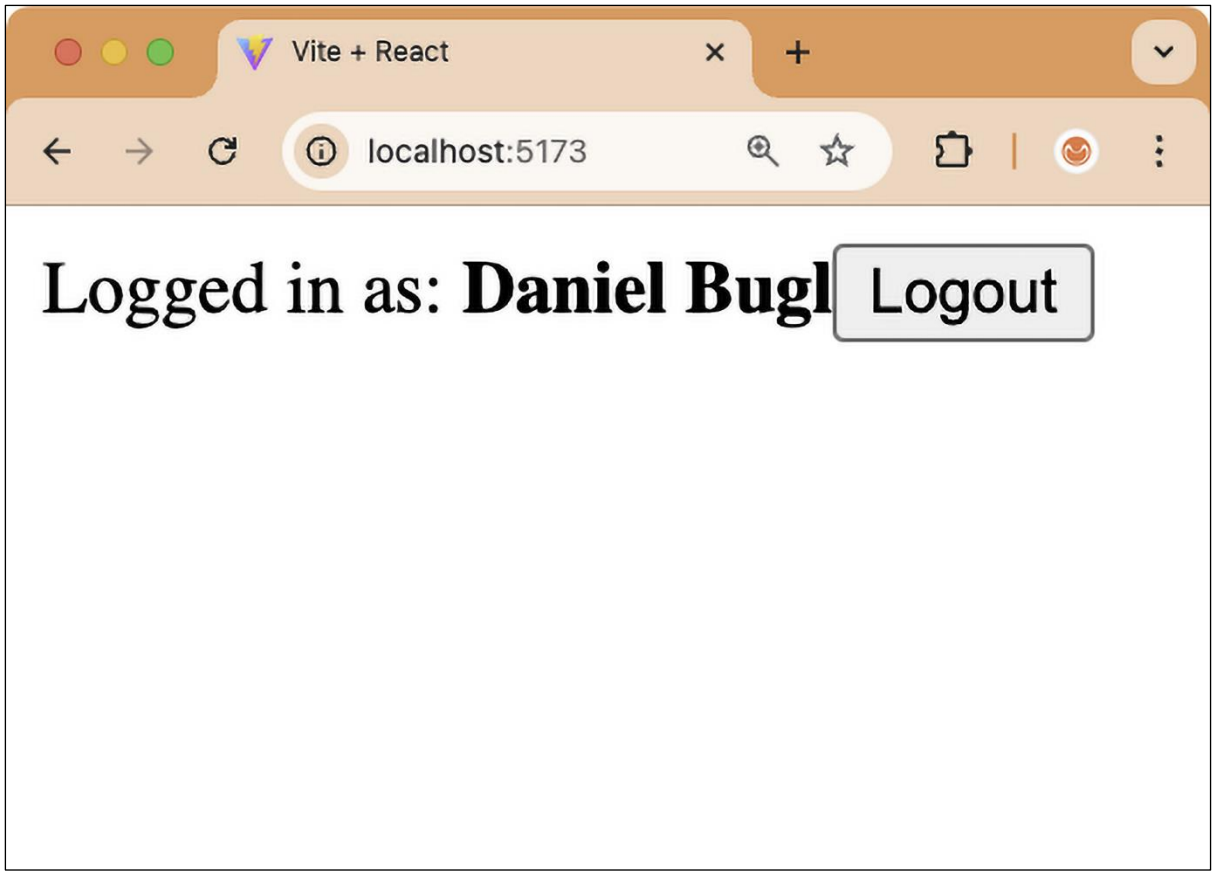

Logged in as: Daniel Bugl
Logout
Author: Daniel Bugl
Title:
Create
React Hooks
The greatest thing since sliced bread!
Written by Daniel Bugl
Using React Fragments
Keeping the DOM tree clean!
Written by Daniel Bugl

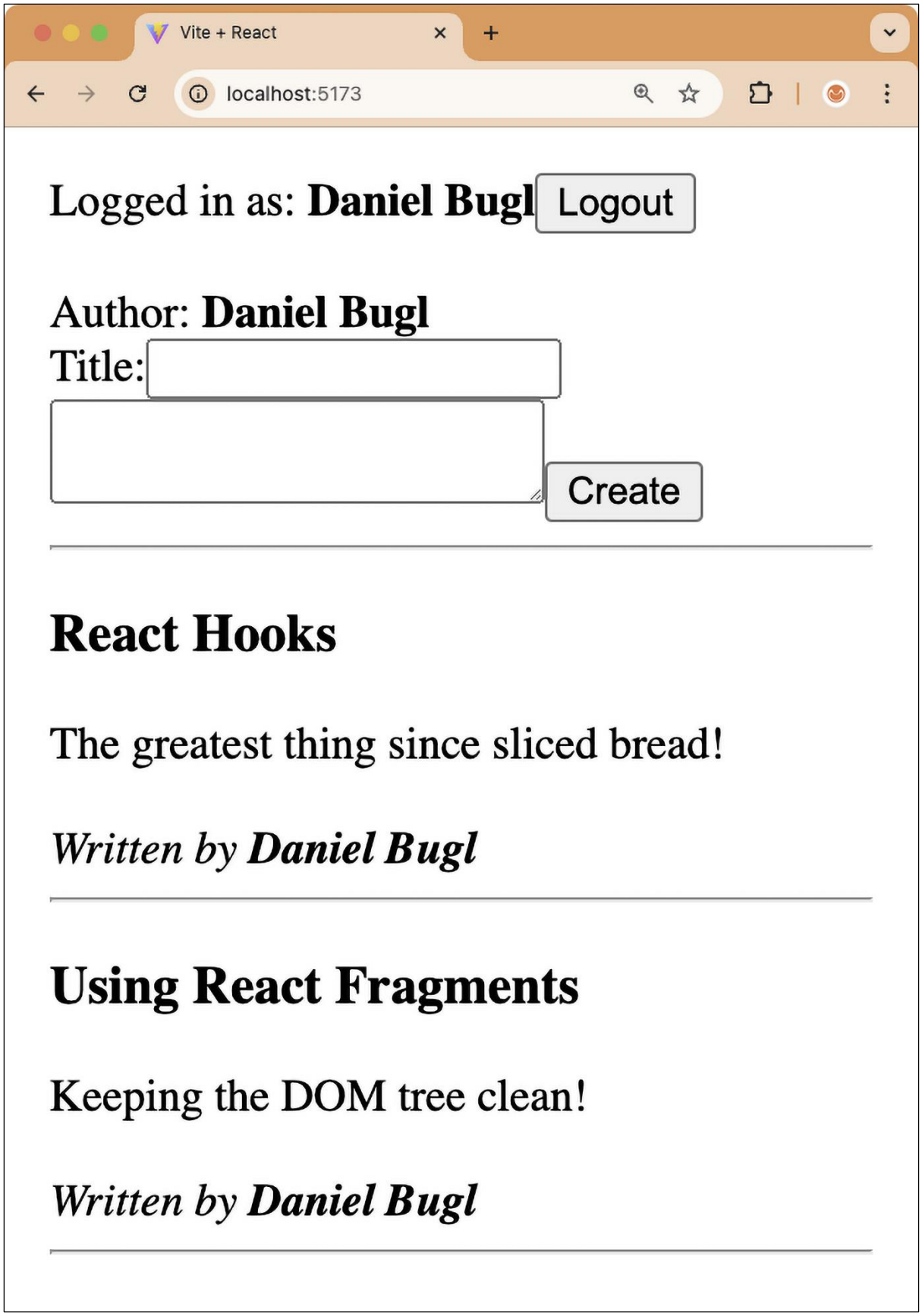

Logged in as: Daniel Bugl Logout
Logout
Author: Daniel Bugl
Title:
Create
CreatePost
React Hooks
The greatest thing since sliced bread!
Written by Daniel Bugl
Post
Using React Fragments
Keeping the DOM tree clean!
Written by Daniel Bugl
Post


App
UserBar
Logged in as: Daniel Bugl Logout
Logout
Author: Daniel Bugl
Title:
Create
CreatePost
PostList
React Hooks
The greatest thing since sliced bread!
Written by Daniel Bugl
Post
Using React Fragments
Keeping the DOM tree clean!
Written by Daniel Bugl
Post


Vite + React
localhost:5173
Username:
Password:
Login


Vite + React
localhost:5173
Username:
Password:
Login
Username:
Password:
Repeat password:
Register


Vite + React
localhost:5173
Logged in as: Daniel Bugl
Logout


Vite + React
localhost:5173
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

Username: Daniel Bugl

Password: ••••••••

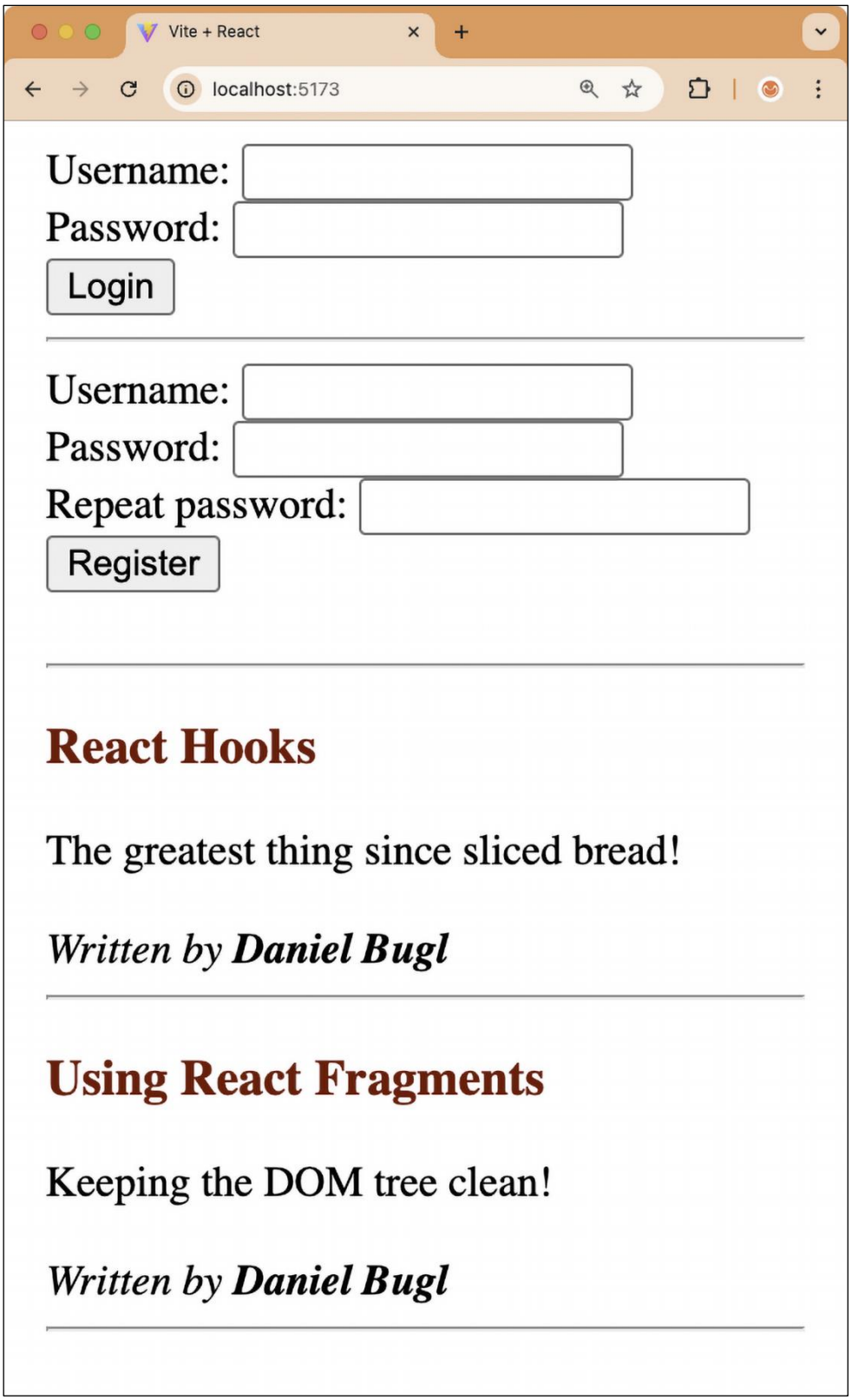
Repeat password: •••

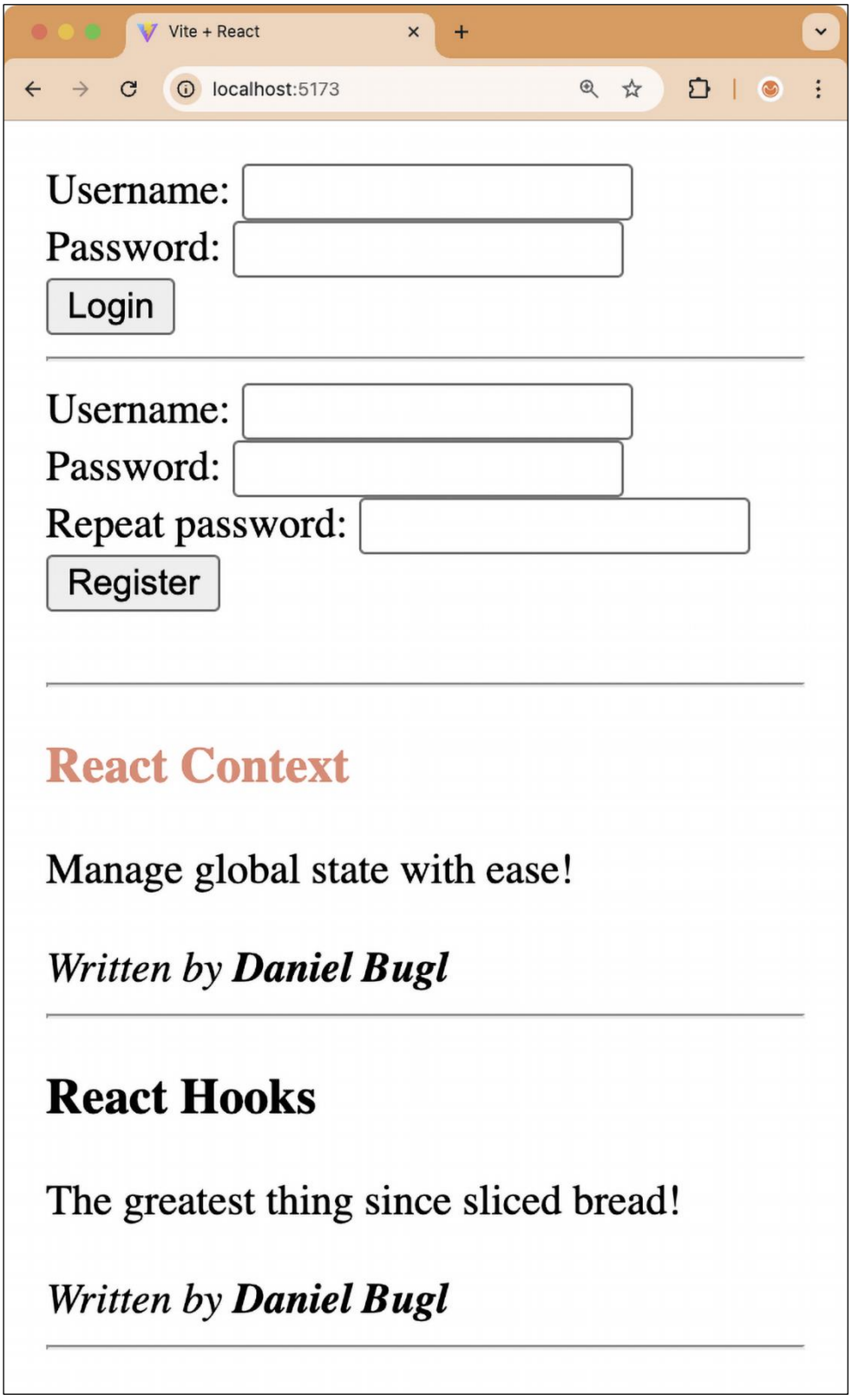
Passwords must match.

Register

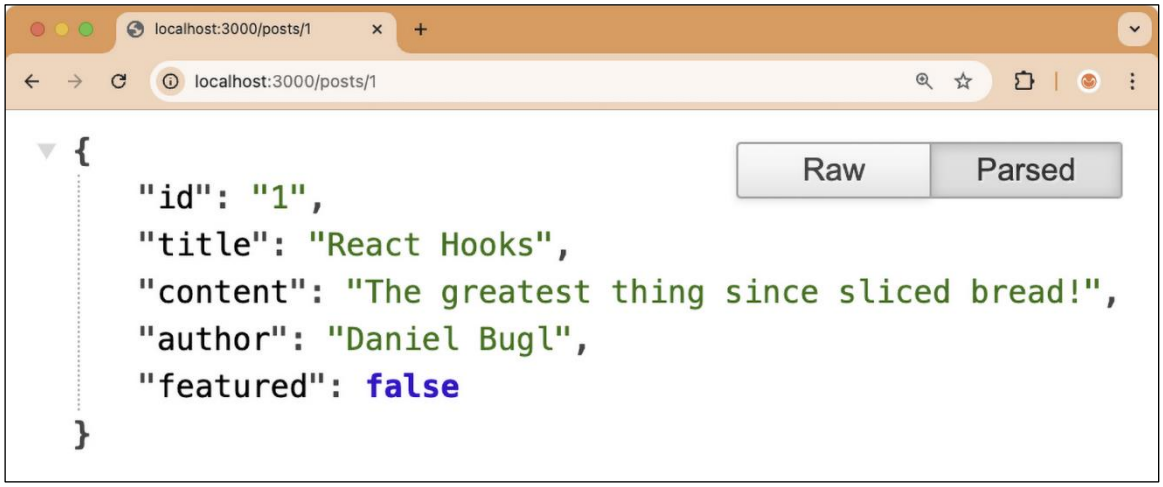

Vite + React
localhost:5173
Logged in as: Test User
Logout
Author: Test User
Title:
Create
Hello World
This is a test :)
Written by Test User
React Hooks
The greatest thing since sliced bread!
Written by Daniel Bugl

Chapter 5: Implementing React Contexts




Vite + React
localhost:5173
Username:
Password:
Login
Username:
Password:
Repeat password:
Register
React Context
Manage global state with ease!
Written by Daniel Bugl
React Hooks
The greatest thing since sliced bread!
Written by Daniel Bugl

Chapter 6: Using React Suspense with Hooks for Data Fetching

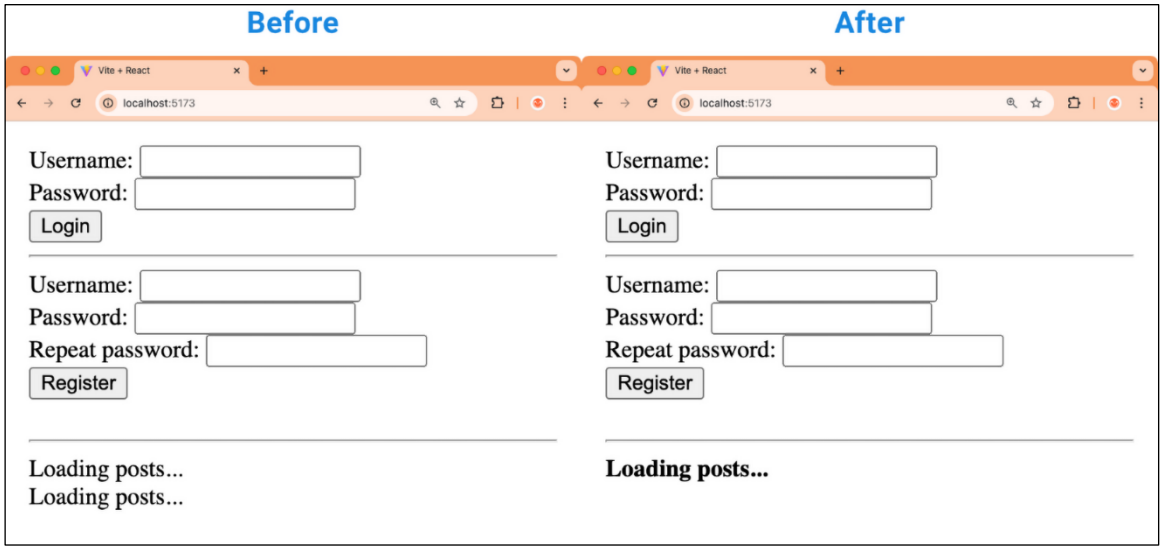


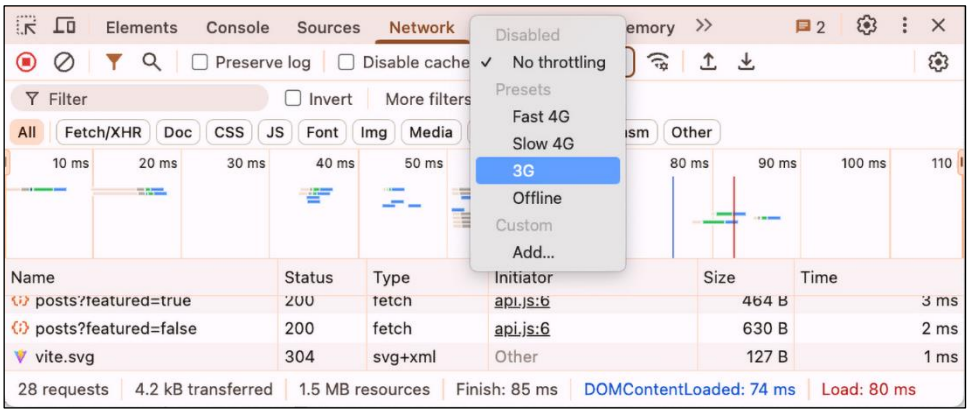

```
→ ~/D/L/C/Chapter06_1  main > npm run dev

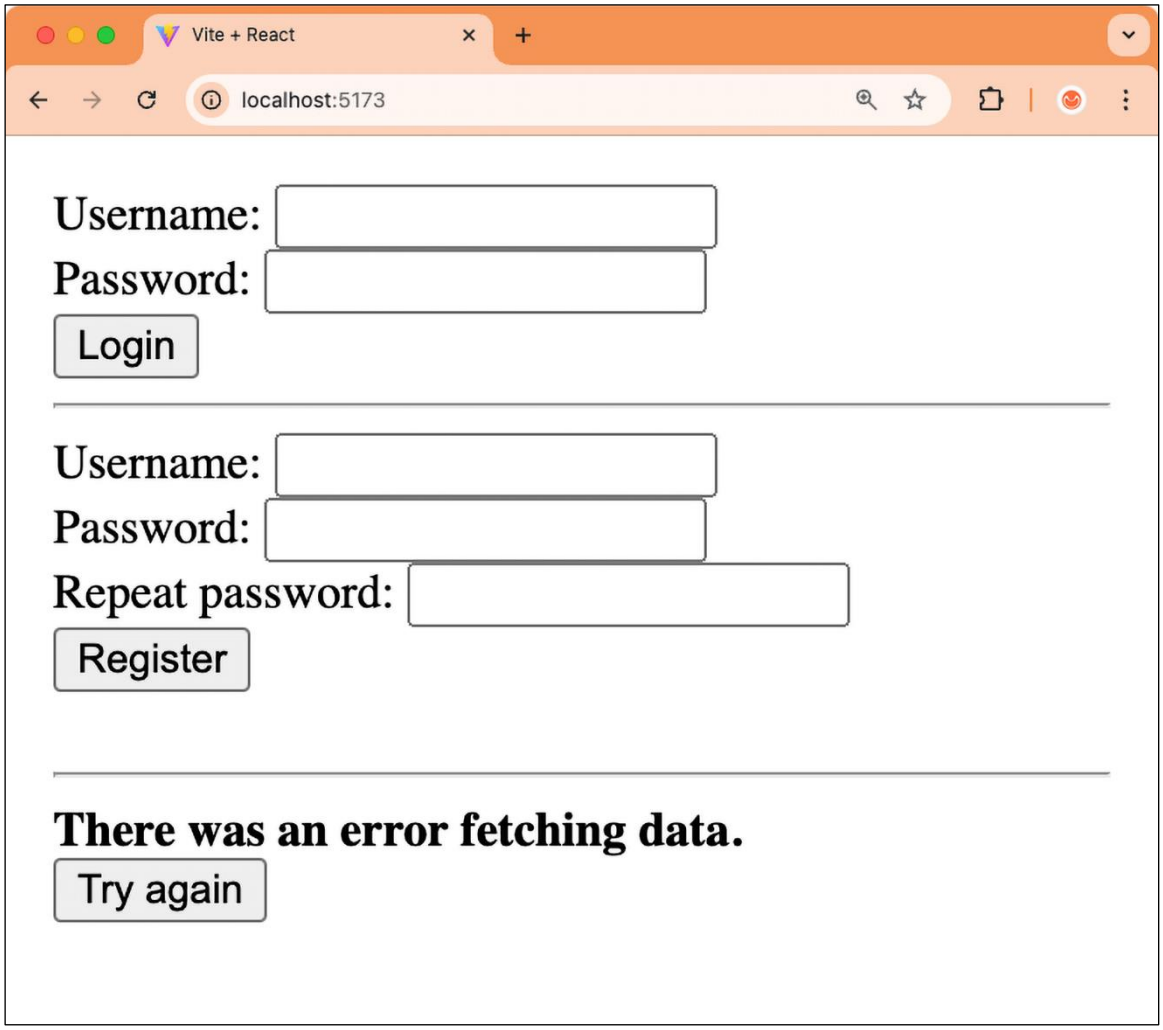
> chapter01-1@0.0.0 dev
> concurrently "npm run dev:server" "npm run dev:client"

[0]
[0] > chapter01-1@0.0.0 dev:server
[0] > json-server server/db.json --port 5174
[0]
[1]
[1] > chapter01-1@0.0.0 dev:client
[1] > vite
[1]
[0] JSON Server started on PORT :5174
[0] Press CTRL-C to stop
[0] Watching server/db.json...
[0]
[0] ♡( ◡‿◡ )
[0]
[0] Index:
[0] http://localhost:5174/
[0]
[0] Static files:
[0] Serving ./public directory if it exists
[0]
[0] Endpoints:
[0] http://localhost:5174/posts
[0] http://localhost:5174/users
[1] 1:59:31 PM [vite] (client) Re-optimizing dependencies because lockfile has changed
[1]
[1]   VITE v6.1.0  ready in 322 ms
[1]
[1]   →  Local:   http://localhost:5173/
[1]   →  Network: use --host to expose
```

```
  2    "posts": [
 17      {
 19        "title": "React Context",
 20        "content": "Manage global state with ease!",
 21        "author": "Daniel Bugl",
 22        "featured": true
 23      },
 24      {
 25        "id": "a5c5",
 26        "title": "Hello World",
 27        "content": "This is a test!",
 28        "author": "Test User",
 29        "featured": false
 30      }
 31    ],
```



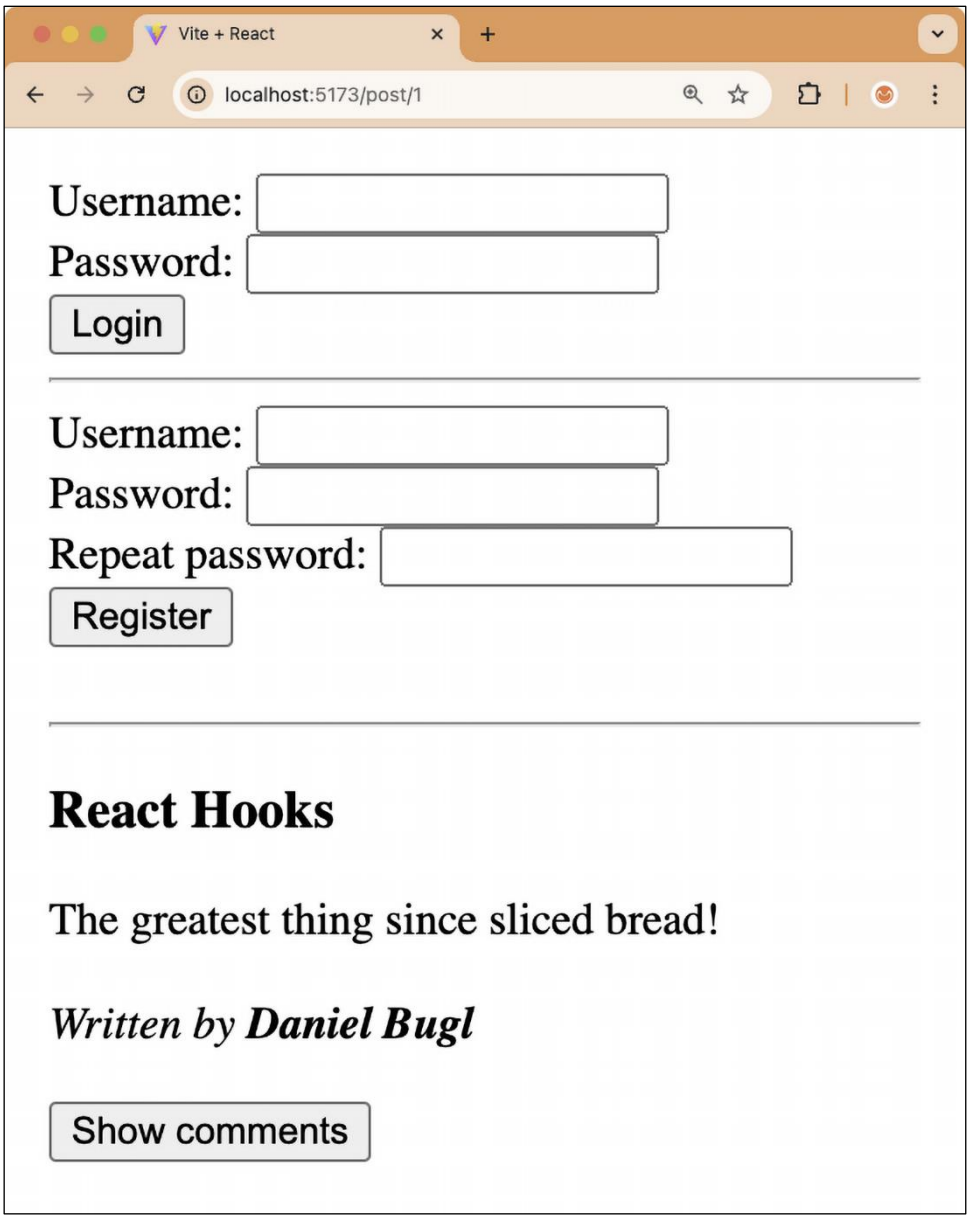


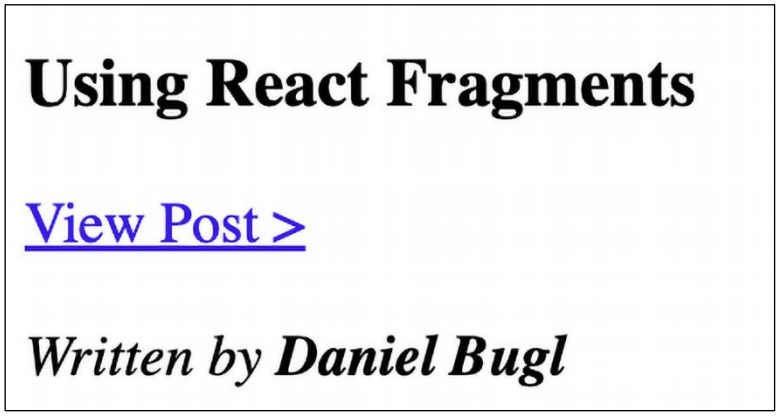

Vite + React
localhost:5173
Username:
Password:
Login
Username:
Password:
Repeat password:
Register
There was an error fetching data.
Try again

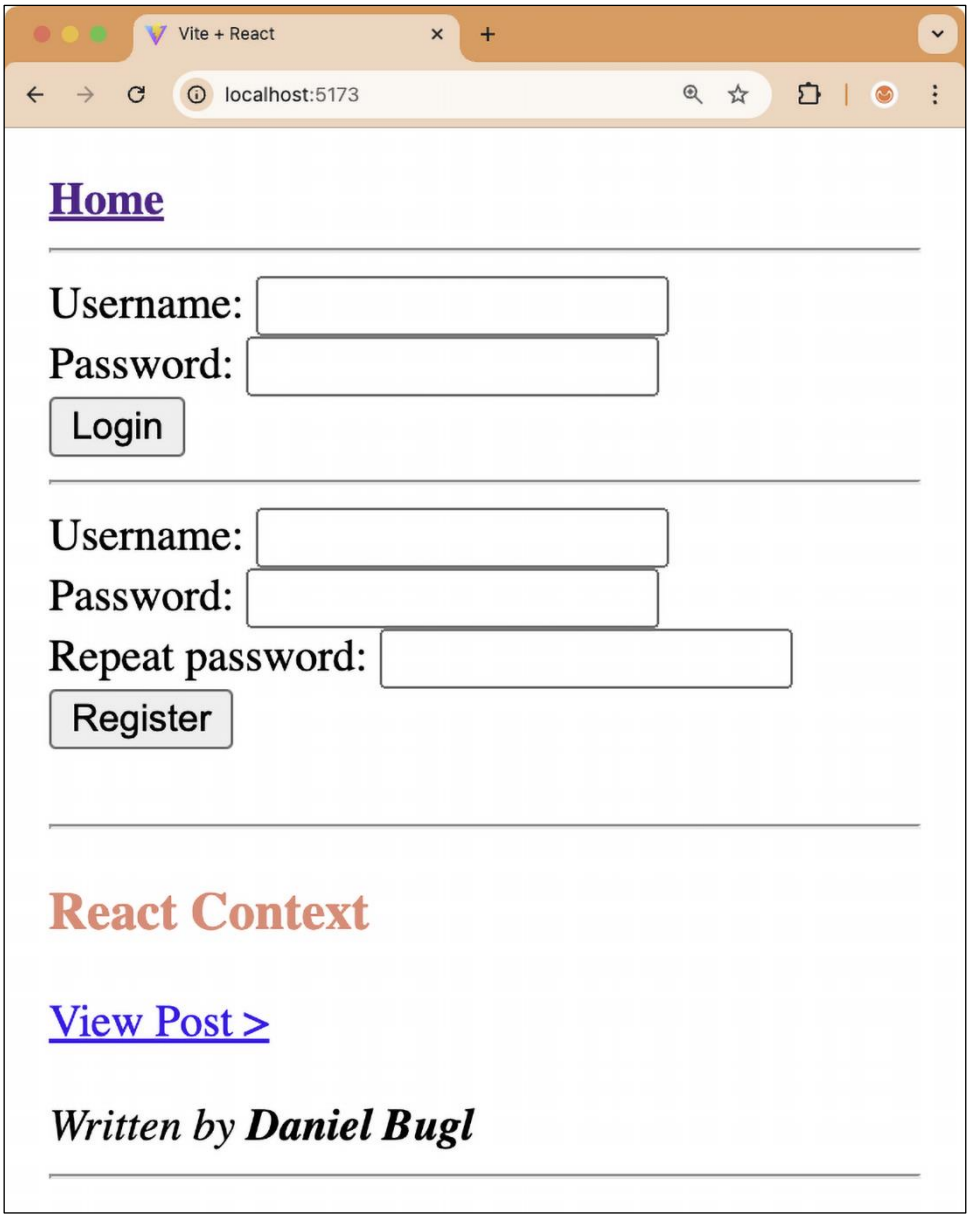
Chapter 7: Using Hooks for Handling Forms



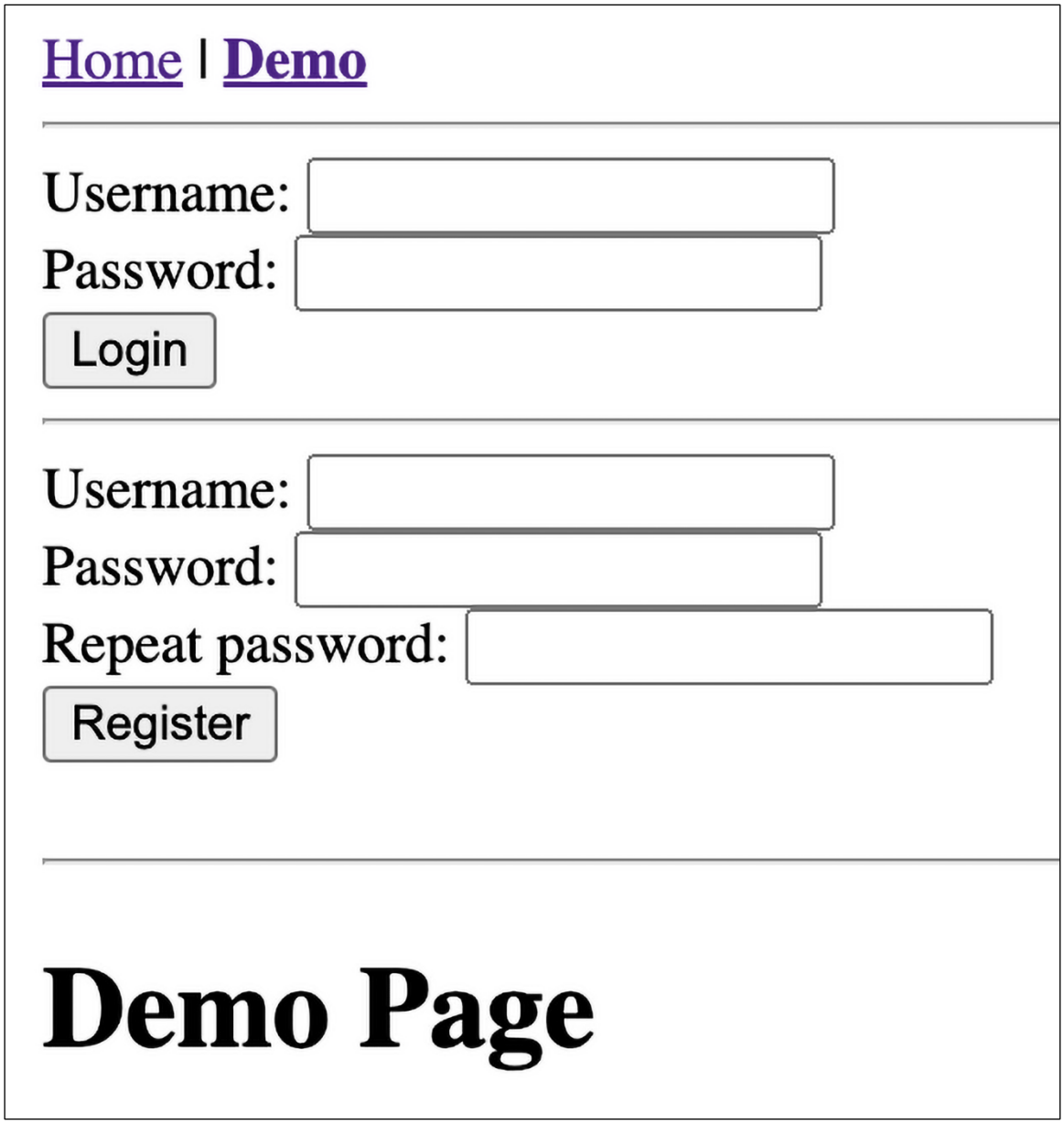
Chapter 8: Using Hooks for Routing

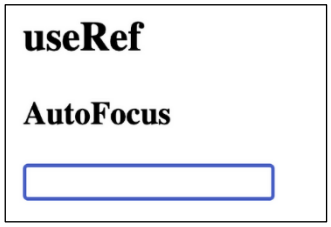


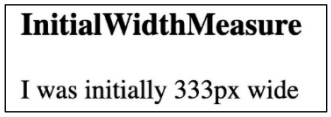



Vite + React
localhost:5173
Home
Username:
Password:
Login
Username:
Password:
Repeat password:
Register
React Context
View Post >
Written by Daniel Bugl

Chapter 9: Advanced Hooks Provided by React







Timer

42 seconds Cancel

useImperativeHandle

HighlightFocus

focus it

useId

AriaInput

I agree to the Terms and Conditions.

Elements Console Sources Network Performance Memory

```
<h2>useId</h2>
<div>
  <h3>AriaInput</h3>
  <label for=":r0:">
    <input id=":r0:" type="checkbox"> == $0
    " I agree to the Terms and Conditions."
  </label>
</div>
```

useSyncExternalStore

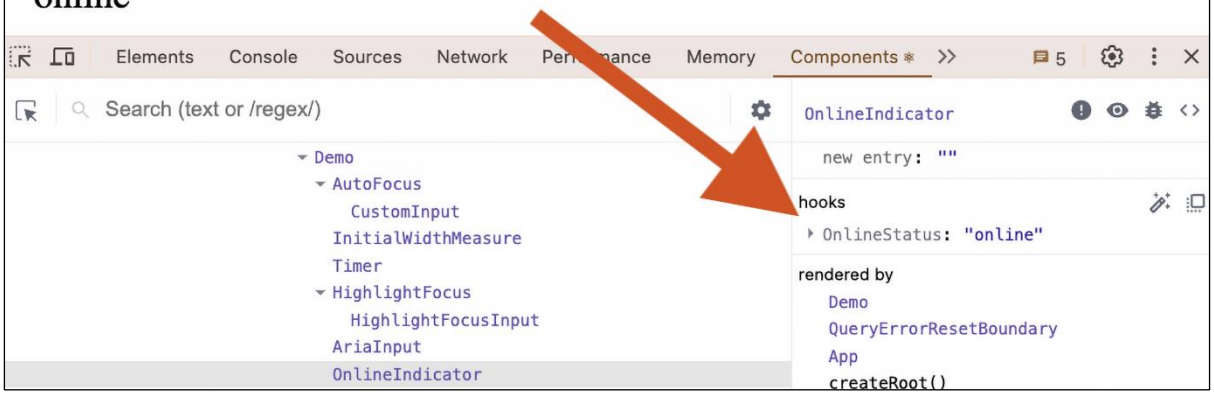
OnlineIndicator

offline

useSyncExternalStore

OnlineIndicator

online



Home | **Search** | Demo

Username:
Password:
Login

Username:
Password:
Repeat password:
Register

Search posts

hooks

loading...

Search posts

hooks

React Hooks

View Post >

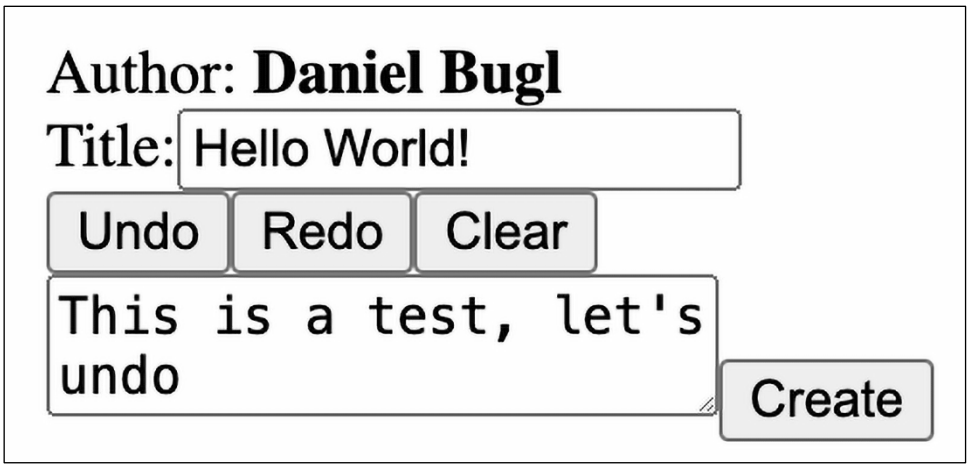
*Written by **Daniel Bugl***

Using React Fragments

View Post >

*Written by **Daniel Bugl***

Chapter 10: Using Community Hooks

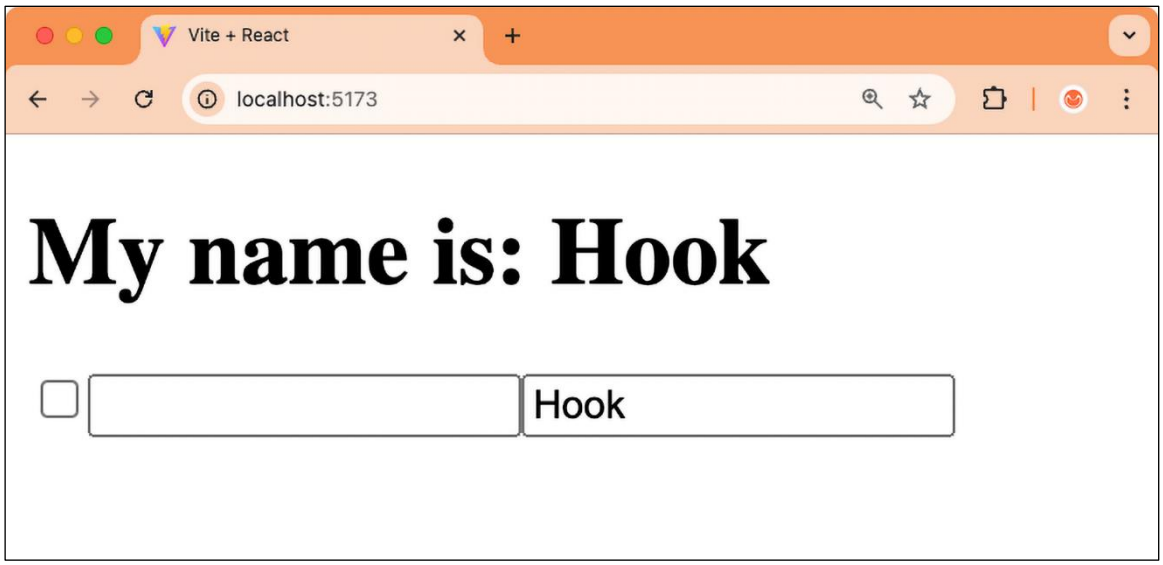


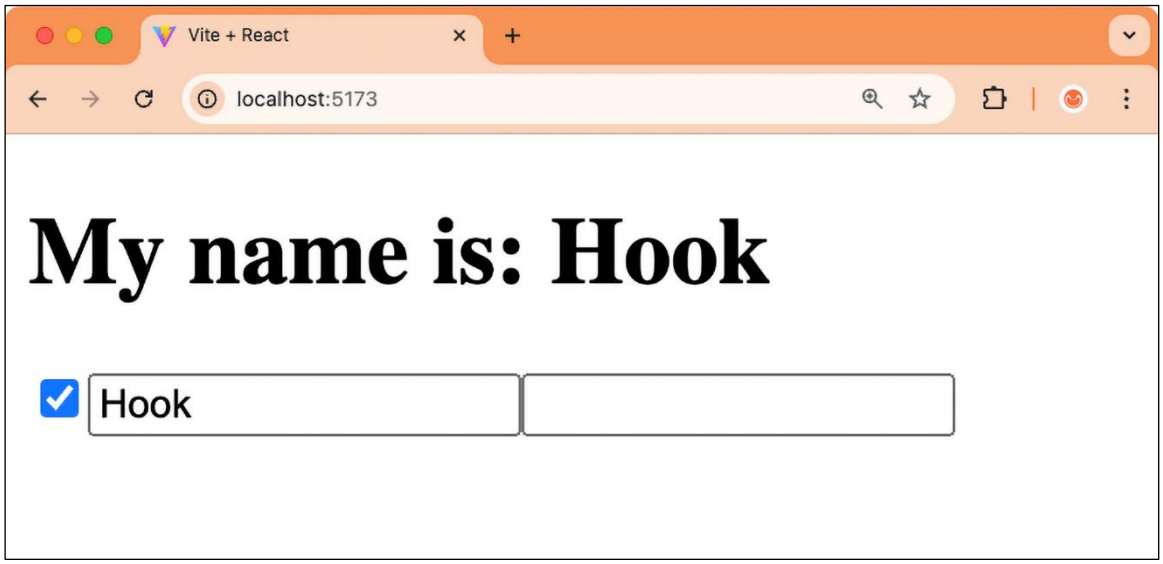



React Hooks ✅
The greatest thing since sliced bread!
Written by Daniel Bugl
Show comments


React Hooks 🔗 click to copy a link to the post
The greatest thing since sliced bread!
Written by Daniel Bugl
Show comments

Chapter 11: Rules of Hooks

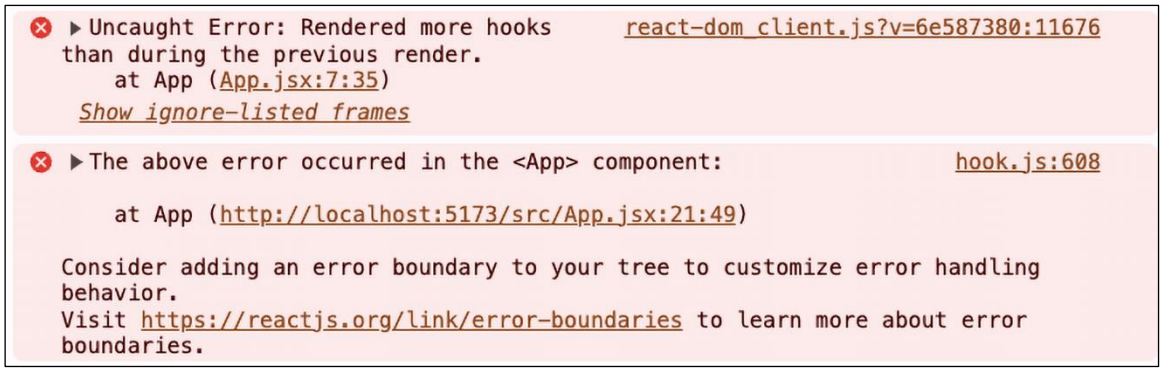


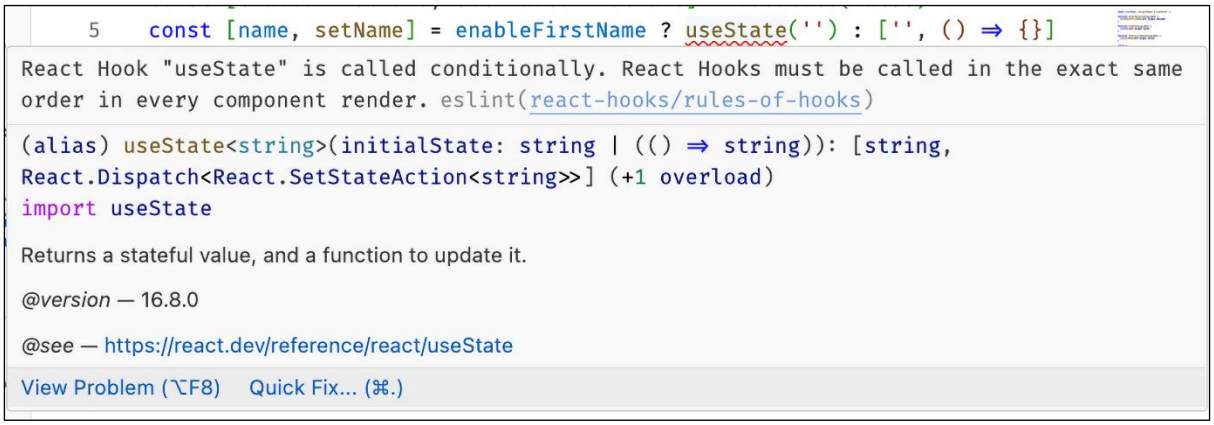



```
▶Warning: React has detected a change in the order of Hooks called   App.jsx:7
by App. This will lead to bugs and errors if not fixed. For more information,
read the Rules of Hooks: https://reactjs.org/link/rules-of-hooks

   Previous render            Next render
   ------------------------------------------------------
1. useState                   useState
2. useState                   useState
3. undefined                  useState
   ^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^

 Error Component Stack
    at App (App.jsx:4:49)
```


Uncaught Error: Rendered more hooks than during the previous render.
react-dom_client.js?v=6e587380:11676
at App (App.jsx:7:35)
Show ignore-listed frames
The above error occurred in the <App> component:
hook.js:608
at App (http://localhost:5173/src/App.jsx:21:49)
Consider adding an error boundary to your tree to customize error handling behavior.
Visit https://reactjs.org/link/error-boundaries to learn more about error boundaries.


5 const [name, setName] = enableFirstName ? useState('') : ['', () => {}]
React Hook "useState" is called conditionally. React Hooks must be called in the exact same order in every component render. eslint(react-hooks/rules-of-hooks)
(alias) useState<string>(initialState: string | (() => string)): [string, React.Dispatch<React.SetStateAction<string>>] (+1 overload)
import useState
Returns a stateful value, and a function to update it.
@version — 16.8.0
@see — https://react.dev/reference/react/useState
View Problem (⌥F8)
Quick Fix... (⌘.)

Chapter 12: Building Your Own Hooks

```
○ → ~/D/L/C/Chapter12_5  main± > npm test

> chapter01-1@0.0.0 test
> vitest


 DEV  v3.0.5 /Users/dan/Developer/Learn-React-Hooks-Second-Edition/Chapter12/Chapter12_5

 √ src/hooks/counter.test.js (4 tests) 9ms
   √ Counter Hook > should return 0 by default
   √ Counter Hook > should initially return initial count
   √ Counter Hook > should increment counter when increment() is called
   √ Counter Hook > should reset to initial value

 Test Files  1 passed (1)
      Tests  4 passed (4)
   Start at  14:01:34
   Duration  519ms (transform 14ms, setup 0ms, collect 87ms, tests 9ms, environment 275ms, prepare 39ms)

 PASS  Waiting for file changes...
       press h to show help, press q to quit
```

```
 RERUN  src/hooks/theme.test.jsx x1

 √ src/hooks/theme.test.jsx (1 test) 6ms
   √ Theme Hook > should return the primaryColor defined by the context

 Test Files  1 passed (1)
      Tests  1 passed (1)
   Start at  14:02:14
   Duration  72ms

 PASS  Waiting for file changes...
       press h to show help, press q to quit
```

```
○ → ~/D/L/C/Chapter12_5  main > npm test

> chapter01-1@0.0.0 test
> vitest

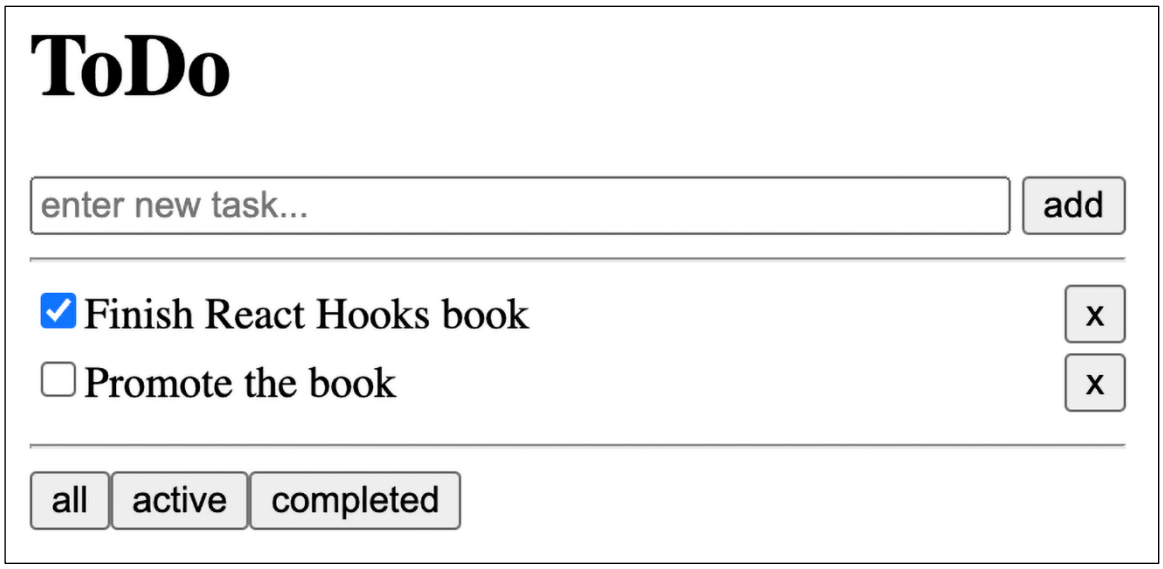

 DEV  v3.0.5 /Users/dan/Developer/Learn-React-Hooks-Second-Edition/Chapter12/Chapter12_5

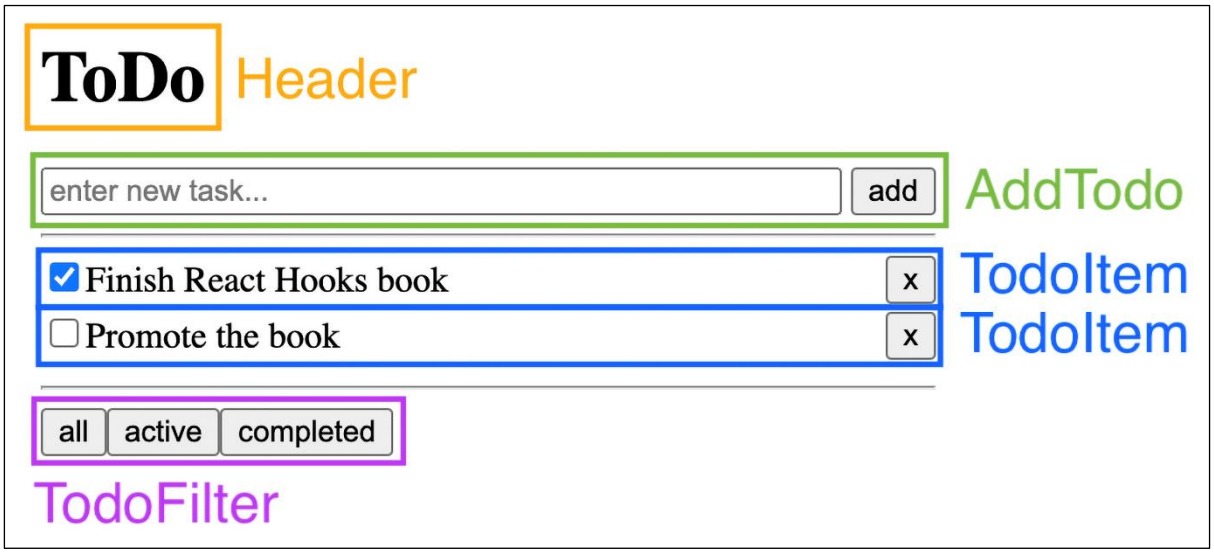
 √ src/hooks/counter.test.js (4 tests) 10ms
 √ src/hooks/user.test.js (4 tests) 12ms
 √ src/hooks/theme.test.jsx (1 test) 6ms
 √ src/hooks/debouncedHistoryState.test.js (3 tests) 63ms

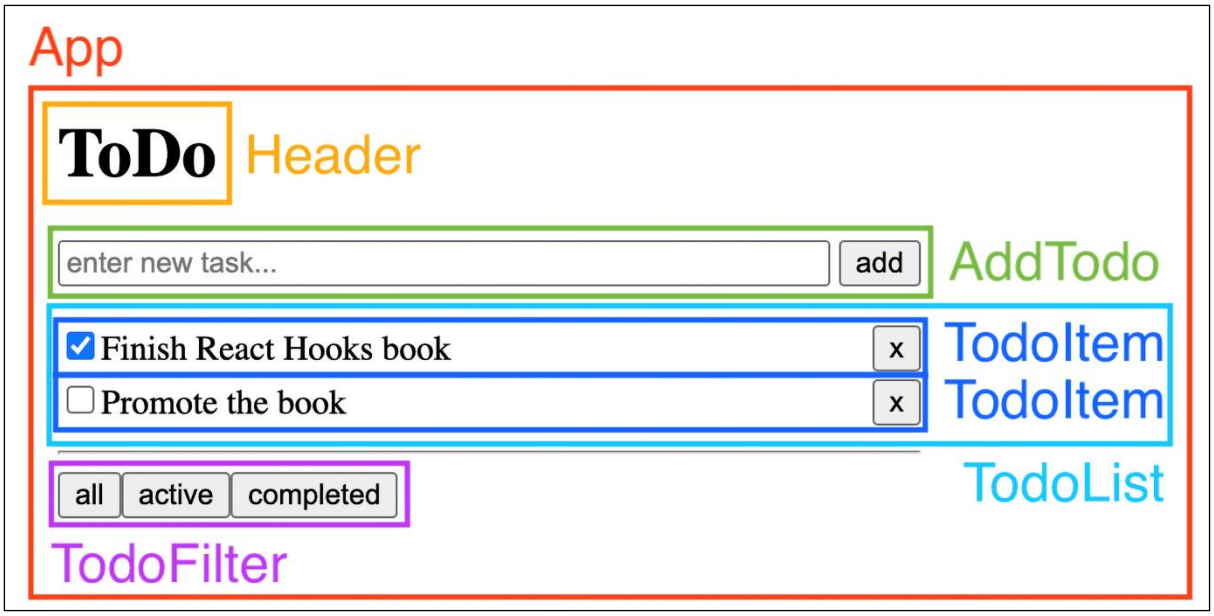
 Test Files  4 passed (4)
      Tests  12 passed (12)
   Start at  14:02:36
   Duration  553ms (transform 83ms, setup 0ms, collect 451ms, tests 91ms, environment 890ms, prepare 178ms)

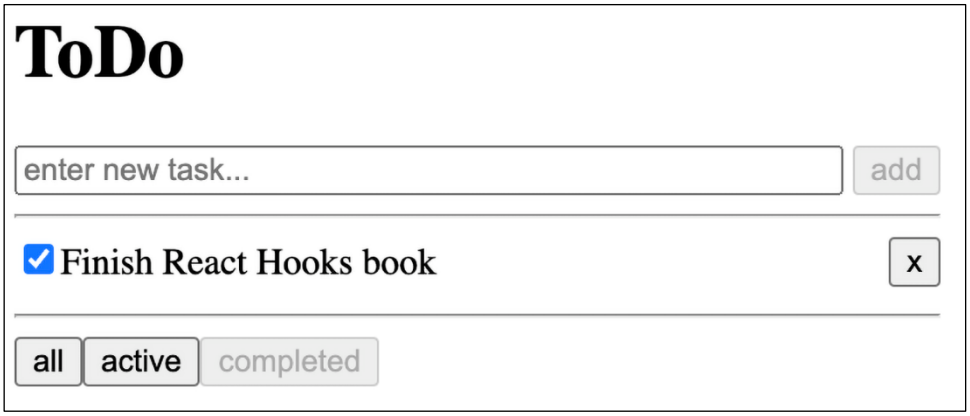
 PASS  Waiting for file changes...
       press h to show help, press q to quit
```

Chapter 13: Migrating from React Class Components






App
ToDo
Header
enter new task...
add
AddTodo
Finish React Hooks book
x
TodoItem
Promote the book
x
TodoItem
TodoList
all
active
completed
TodoFilter


ToDo
enter new task...
add
Finish React Hooks book
x
all
active
completed