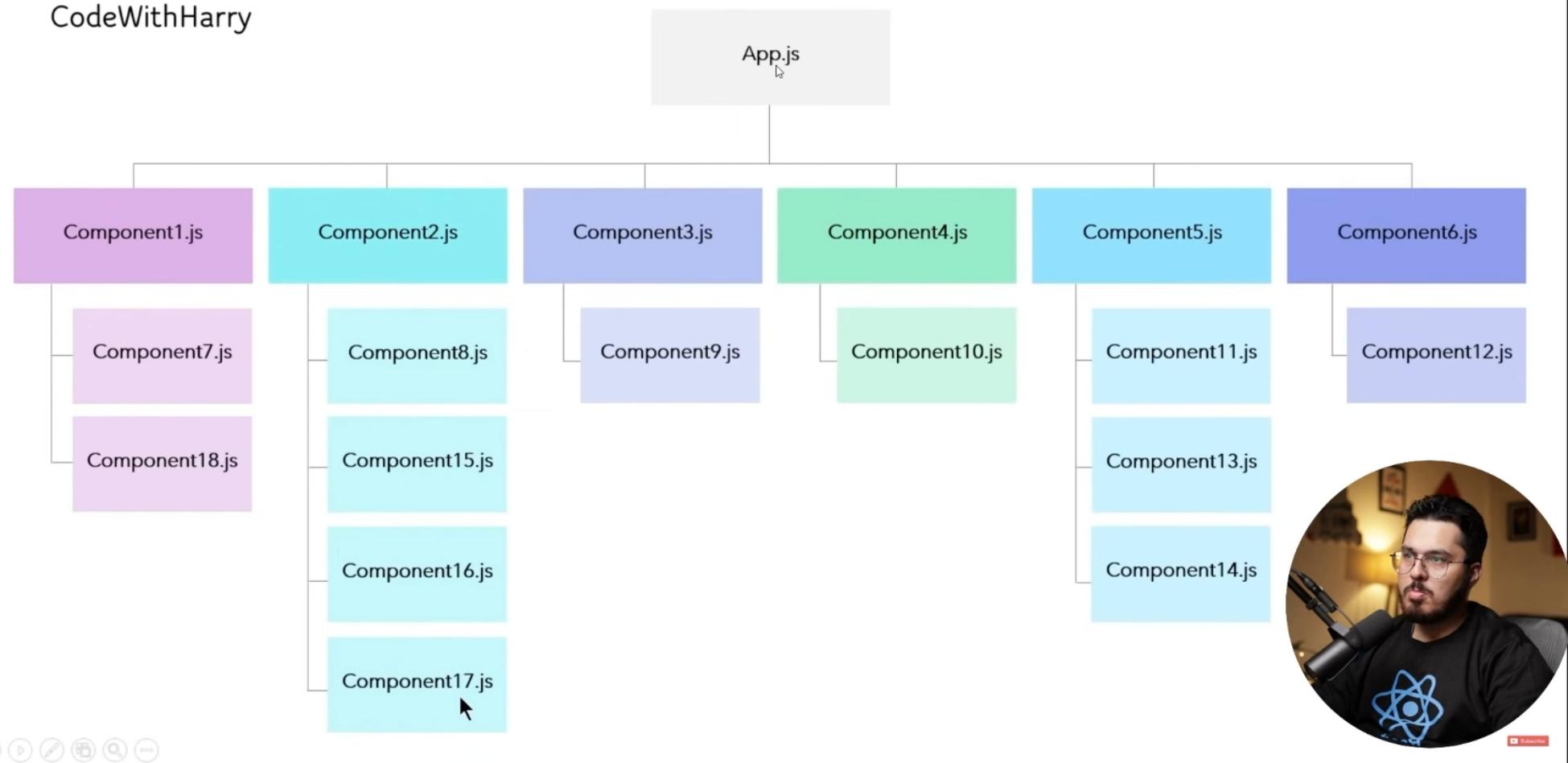


The Context API

CodeWithHarry



EXPLORER ... App.jsx Navbar.jsx Button.jsx our app.md Component1.jsx

VIDEO 1... node_modules public src assets components Button.jsx Component1.jsx Navbar.jsx App.css App.jsx index.css main.jsx .eslintrc.cjs .gitignore Context API.png index.html our app.md package-lock.json package.json README.md vite.config.js

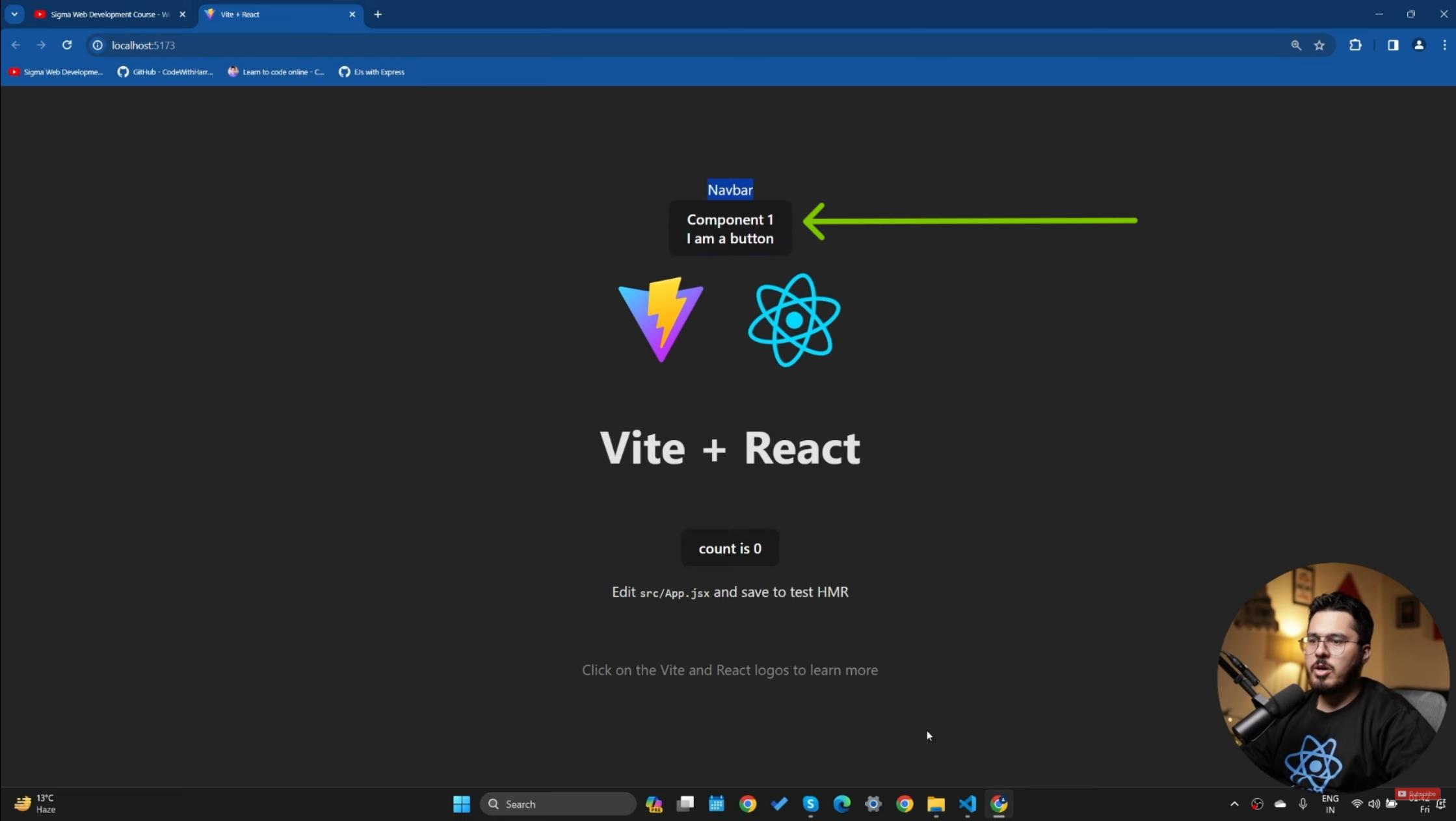
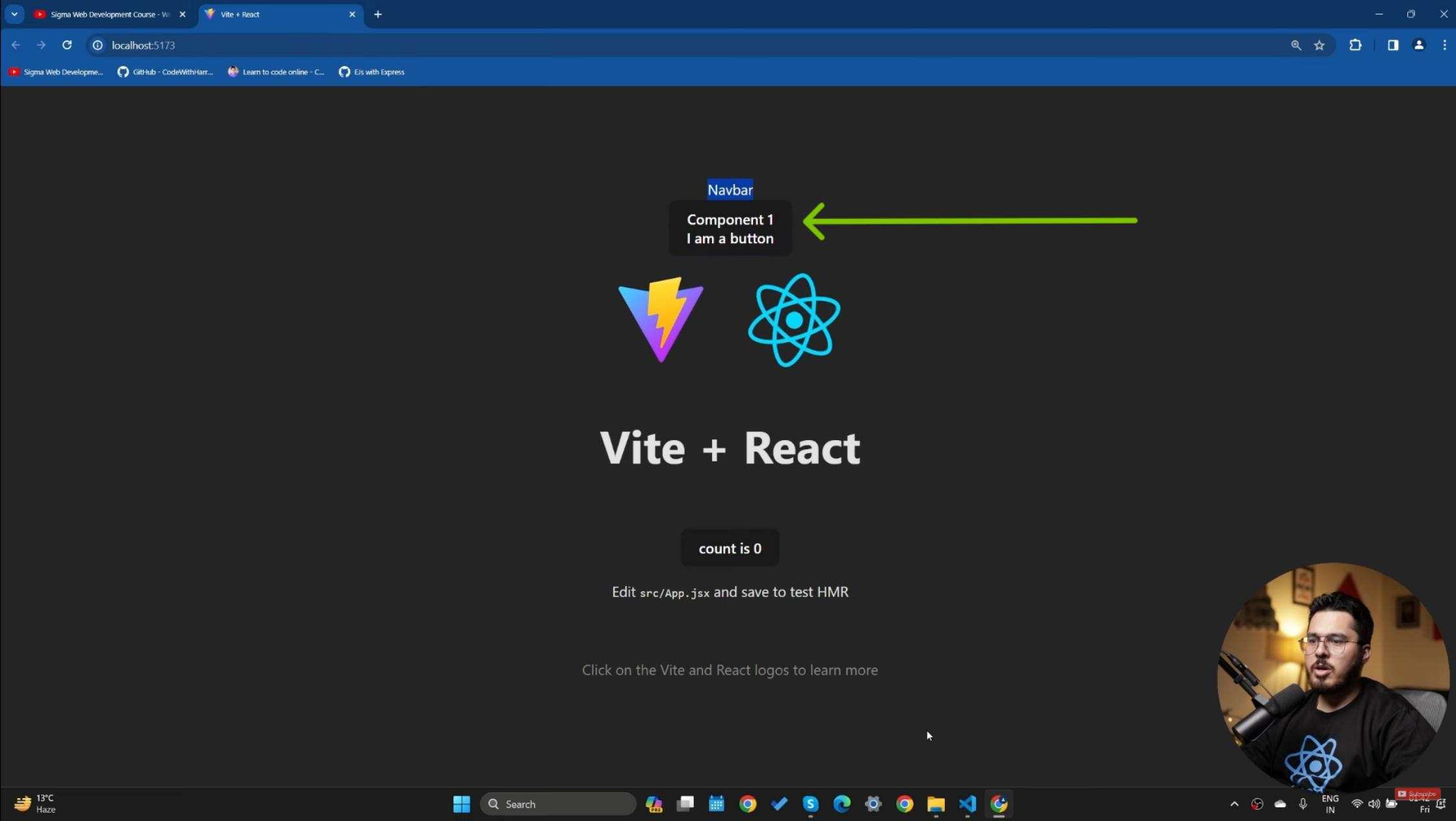
1 App.jsx
2 Navbar.jsx
3 Button.jsx
4 Component1.jsx



Spaces: 4

13°C Haze





EXPLORER ...

VIDEO 116

- > node_modules
- > public
- src
 - > assets
 - components
 - Button.jsx
 - Component1.jsx
 - Navbar.jsx
 - App.css
 - App.jsx
- index.css
- main.jsx
- .eslintrc.cjs
- .gitignore
- Context API.png
- index.html
- our app.md
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

1st

6

7 function App() {

8 const [count, setCount] = useState(0)

9

10 return (

11 <> I

12 <Navbar count={count}/> ←

13 <div>

14

15

16

17

18

19

20 </div>

Ln 12, Col 26 Spaces: 2 UTF-8 L. 13°C Haze

Search

13°C Haze

ENG IN

Fri



EXPLORER ...

VIDEO 116

- > node_modules
- > public
- src
 - > assets
 - components
 - Button.jsx
 - Component1.jsx
 - Navbar.jsx
- App.css
- App.jsx
- index.css
- main.jsx
- .eslintrc.cjs
- .gitignore
- Context API.png
- index.html
- our app.md
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx Navbar.jsx Button.jsx our app.md Component1.jsx

src > components > Navbar.jsx > Navbar

```
1 import React from 'react'
2 import Button from './Button'
3
4 const Navbar = ({count}) => {
5   return (
6     <>
7       <div>
8         | Navbar
9       </div>
10      <Button count={count}/> ←
11      </>
12    )
13 }
14
15 export default Navbar
16
```

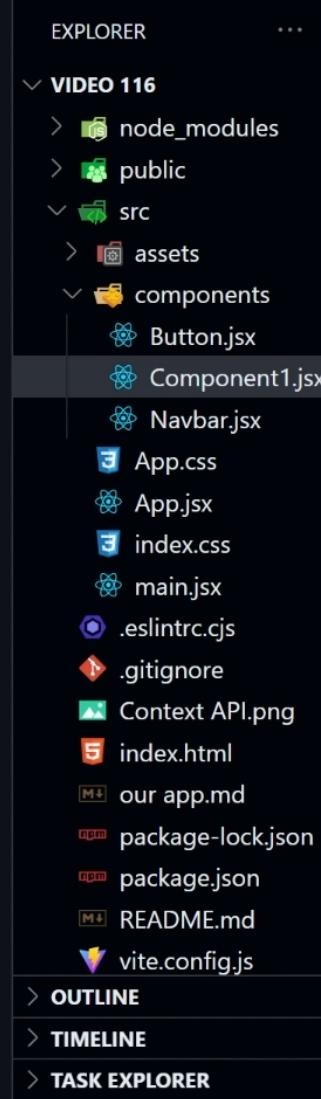


The screenshot shows a Microsoft Visual Studio Code interface with the following details:

- Explorer Bar:** On the left, it shows the project structure under "VIDEO 116". The "components" folder contains "Button.jsx", "Component1.jsx", and "Navbar.jsx". Other files listed include "App.css", "App.jsx", "index.css", "main.jsx", ".eslintrc.cjs", ".gitignore", "Context API.png", "index.html", "our app.md", "package-lock.json", "package.json", "README.md", and "vite.config.js".
- Code Editor:** The main area displays the content of "Button.jsx".

```
1 import React from 'react'
2 import Component1 from './Component1'
3 const Button = ({count}) => {
4     return (
5         <div>
6             <button><span><Component1 count={count}>/</span>I am a
7                 button</button>
8         </div>
9     )
10
11 export default Button
12
```

A blue arrow points upwards from the video player area towards the line `const Button = ({count}) => {`.
- Search Bar:** At the bottom, there is a search bar with the placeholder "Search".
- Bottom Status Bar:** Shows "Ln 3, Col 23", "Spaces: 4", "UTF-8", "CRL", "13°C Haze", and icons for file operations like save and close.
- Video Player:** On the right side, there is a circular video player window showing a man with glasses and a beard speaking into a microphone.



src > components > Component1.jsx > Component1

```
1 import React from 'react'
2
3 const Component1 = ({count}) => {
4   return (
5     <div>
6       | {count}
7     </div>
8   )
9 }
10
11 export default Component1
12
```

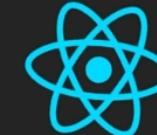


Navbar



6

I am a button



Vite + React

count is 6

Edit `src/App.jsx` and save to test HMR

Click on the Vite and React logos to learn more



File Edit Selection View Go ... ← → Video 116

EXPLORER ... App.jsx Navbar.jsx JS context.js X Button.jsx Component1.jsx

src > context > JS context.js > [counterContext]

```
1 import { createContext } from "react";
2
3 export const counterContext = createContext(0)
```

VIDEO 116 node_modules public src assets components Button.jsx Component1.jsx Navbar.jsx context JS context.js ←

2nd

LN 3, COL 47 Spaces: 4 UTF-8

13°C Haze

Search

Windows Start Search Calendar Chrome S Task View

Subscribed Fri



The screenshot shows a video player interface with a React application being developed in VS Code. The video title is "Video 116". The code editor displays `App.jsx` with the following content:

```
src > App.jsx > App
1 import { useState } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'
5 import Navbar from './components/Navbar'
6 import { counterContext } from './context/context' ← Blue arrow

function App() {
  const [count, setCount] = useState(0)

  return (
    <>
    <counterContext.Provider> ← Red arrow
      <Navbar/>
      <div>
        <a href="https://vitejs.dev" target="_blank">
          <img src={viteLogo} className="logo" alt="Vite logo" />
        </a>
        <a href="https://react.dev" target="_blank">
          <img src={reactLogo} className="logo react" alt="React logo" />
        </a>
      </div>
      <h1>Vite + React</h1>
      <div className="card">
        <button onClick={() => setCount((count) => count + 1)}>
          count is {count}
        </button>
      </div>
    </counterContext.Provider>
  )
}
```

A blue arrow points to the import statement for `counterContext`. A red arrow points to the opening tag of the `Provider` component. The code editor also shows other files like `Navbar.jsx`, `context.js`, `Button.jsx`, and `Component1.jsx` in the tabs. The left sidebar shows the project structure with `src` expanded, containing `assets`, `components`, and `context`. The `App.jsx` file is selected in the sidebar.

EXPLORER ...

VIDEO 116

- > node_modules
- > public
- src
 - > assets
 - components
 - Button.jsx
 - Component1.jsx
 - Navbar.jsx
 - context
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - Context API.png
 - index.html
 - our app.md
 - package-lock.json
 - package.json
 - README.md
- > OUTLINE
- > TIMELINE
- > TASK EXPLORER

App.jsx X Navbar.jsx context.js Button.jsx Component1.jsx

```
src > App.jsx > App
18   </a>
19   <a href="https://react.dev" target="_blank">
20     <img src={reactLogo} className="logo react" alt="React logo" />
21   </a>
22   </div>
23   <h1>Vite + React</h1>
24   <div className="card">
25     <button onClick={() => setCount((count) => count + 1)}>
26       count is {count}
27     </button>
28     <p>
29       Edit <code>src/App.jsx</code> and save to test HMR
30     </p>
31   </div>
32   <p className="read-the-docs">
33     Click on the Vite and React logos to learn more
34   </p>
35   </counterContext.Provider> ←
36   </>
37   )
38 }
39
40 export default App
41 }
```





EXPLORER

- VIDEO 116
 - > node_modules
 - > public
 - src
 - > assets
 - components
 - Button.jsx
 - Component1.jsx
 - Navbar.jsx
 - context
 - JS context.js
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - Context API.png
 - index.html
 - our app.md
 - package-lock.json
 - package.json
- OUTLINE
- TIMELINE
- TASK EXPLORER

App.jsx

Navbar.jsx

JS context.js

Button.jsx

Component1.jsx

```
src > App.jsx > App > count
1 import { useState } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'
5 import Navbar from './components/Navbar'
6 import { counterContext } from './context/context'

7
8 function App() {
9   const [count, setCount] = useState(0)

10
11   return (
12     <>
13       <counterContext.Provider value={count}> ←
14         <Navbar/>
15         <div>
16           <a href="https://vitejs.dev" target="_blank">
17             <img src={viteLogo} className="logo" alt="Vite logo" />
18           </a>
19           <a href="https://react.dev" target="_blank">
20             <img src={reactLogo} className="logo react" alt="React logo" />
21           </a>
22         </div>
23         <h1>Vite + React</h1>
24         <div className="card">
25           <button onClick={() => setCount((count) => count + 1)}>
26             count is {count}
```



File Edit Selection View Go ... ⟲ ⟳ Video 116

EXPLORER ...

VIDEO 116

- > node_modules
- > public
- src
 - > assets
 - components
 - Button.jsx
 - Component1.jsx
 - Navbar.jsx
 - context
 - JS context.js
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - Context API.png
 - index.html
 - our app.md
 - package-lock.json
 - package.json

OUTLINE

TIMELINE

TASK EXPLORER

0 0 0 0

13°C Haze

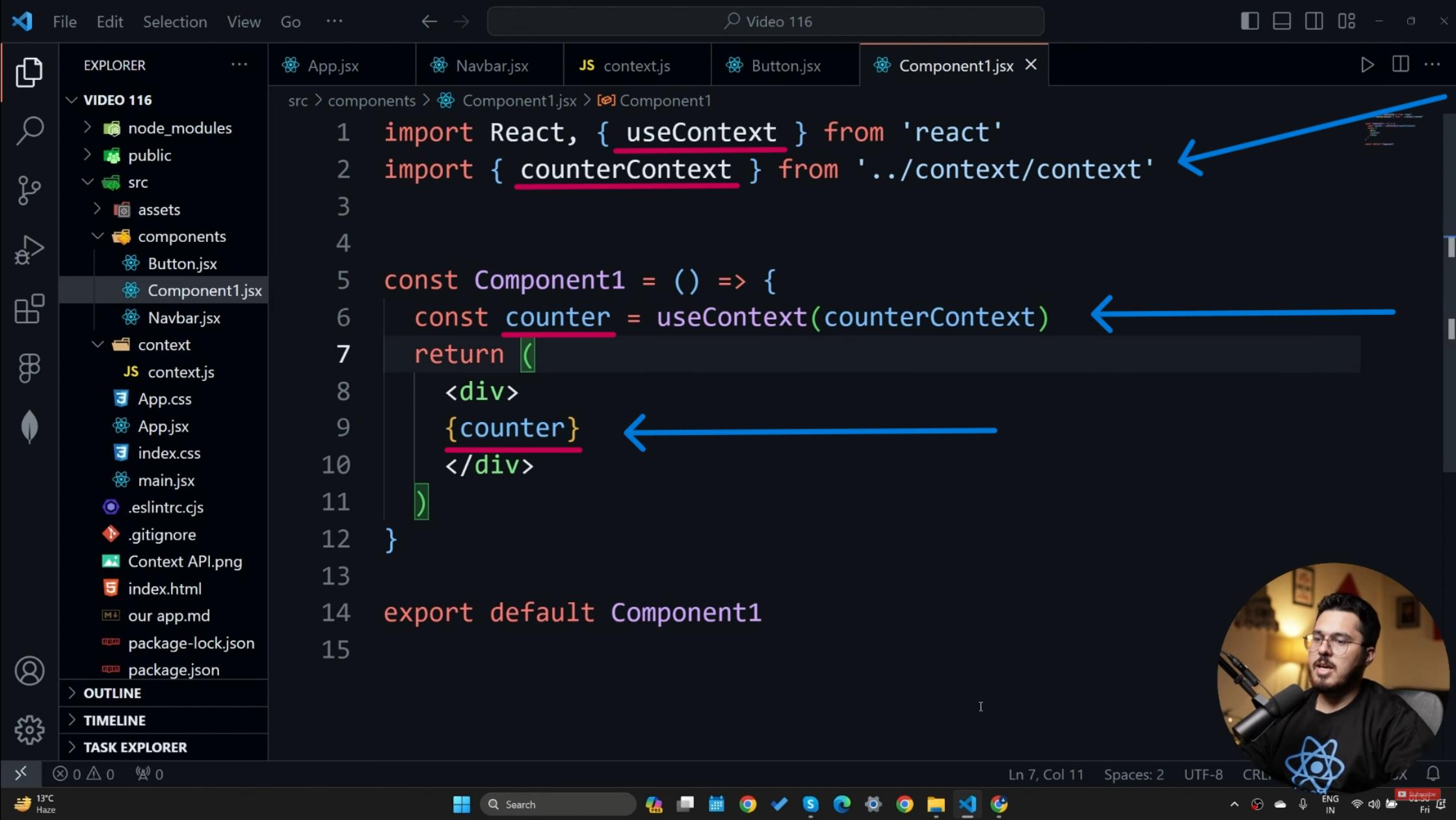
App.jsx Navbar.jsx context.js Button.jsx Component1.jsx

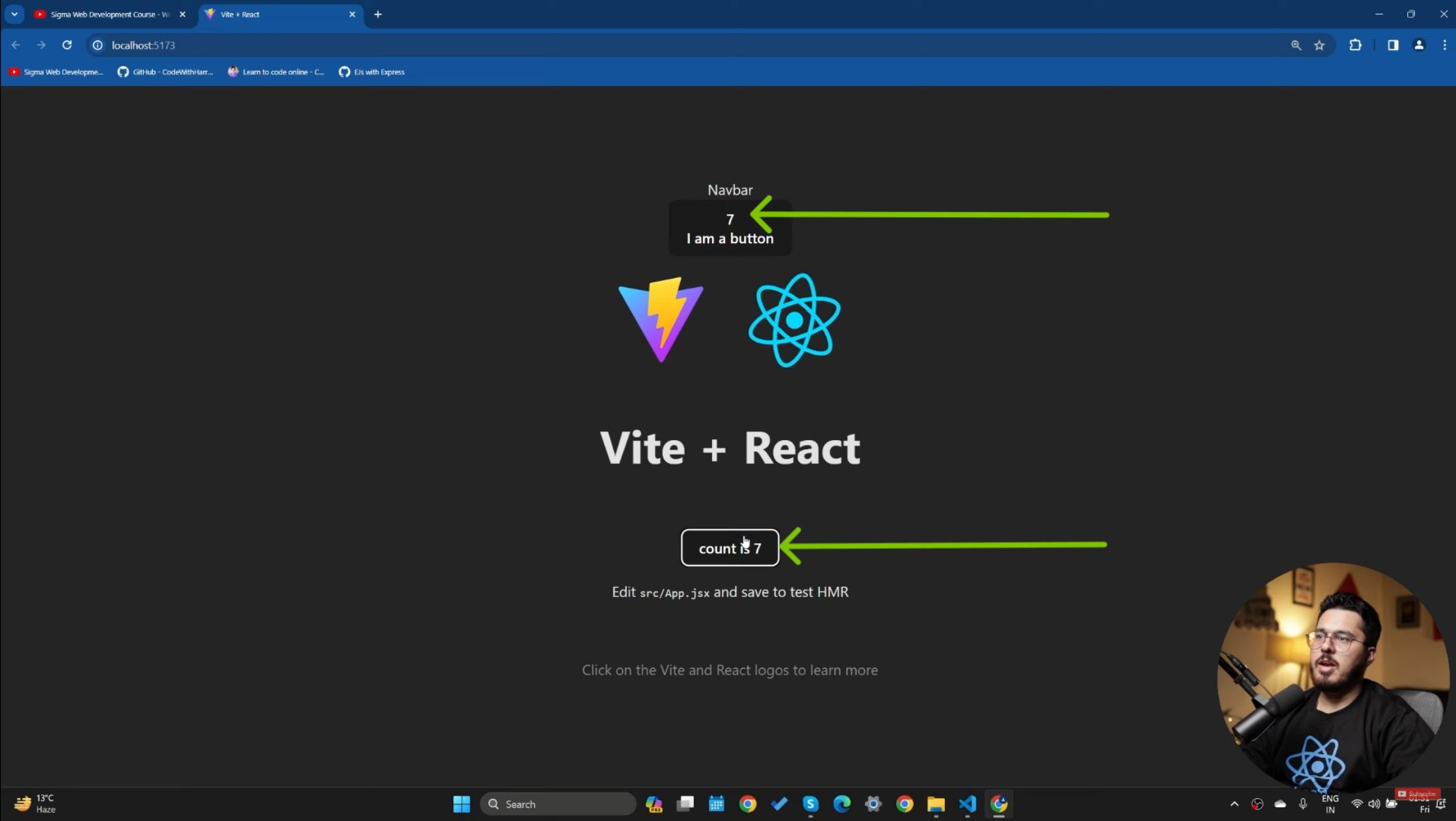
```
1 import React, { useContext } from 'react'
2 import { counterContext } from '../context/context'
3
4
5 const Component1 = () => {
6   const counter = useContext(counterContext)
7   return (
8     <div>
9       {counter}
10    </div>
11  )
12}
13
14 export default Component1
15
```

Ln 7, Col 11 Spaces: 2 UTF-8 CRL

Search

13°C Haze ENG IN Fri





Sigma Web Development Course - W... X Vite + React

localhost:5173

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Navbar

I am a button

7

Vite React

count is 7

Edit src/App.jsx and save to test HMR

Click on the Vite and React logos to learn more

13°C Haze

Search

ENG IN

Fri

EXPLORER ...

VIDEO 116

- > node_modules
- > public
- src
 - > assets
 - components
 - Button.jsx
 - Component1.jsx
 - Navbar.jsx
 - context
 - JS context.js
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - Context API.png
 - index.html
 - our app.md
 - package-lock.json
 - package.json
- > OUTLINE
- > TIMELINE
- > TASK EXPLORER

App.jsx × Navbar.jsx context.js Button.jsx Component1.jsx

src > App.jsx > App

```
5 import Navbar from './components/Navbar'
6 import { counterContext } from './context/context'
7
8 function App() {
9     const [count, setCount] = useState(0)
10
11    return (
12        <>
13        <counterContext.Provider value={{count, setCount}}>
14            <Navbar/>
15            <div>
16                <a href="https://vitejs.dev" target="_blank">
17                    <img src={viteLogo} className="logo" alt="Vite logo" />
18                </a>
19                <a href="https://react.dev" target="_blank">
20                    <img src={reactLogo} className="logo react" />
```

2.1 User-Case ✓





EXPLORER

...

App.jsx

Navbar.jsx

JS context.js

Button.jsx X

Component1.jsx

D ⌂ ⌃ ⌄ ⌅ ⌆ ⌇ ⌈ ⌉ ⌋ ⌊ ⌊ ⌋

VIDEO 116

> node_modules

> public

> src

> assets

> components

Button.jsx

Component1.jsx

Navbar.jsx

> context

JS context.js

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

Context API.png

index.html

our app.md

package-lock.json

package.json

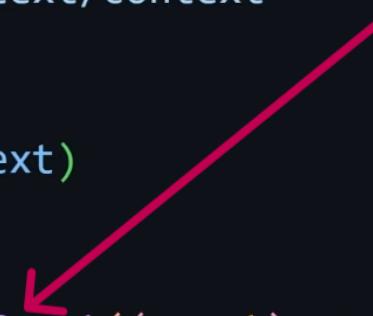
> OUTLINE

> TIMELINE

> TASK EXPLORER

src > components > Buttonjsx > ...

```
1 import React, {useContext} from 'react'
2 import Component1 from './Component1'
3 import { counterContext } from '../context/context'
4
5 const Button = () => {
6   const value = useContext(counterContext)
7   return (
8     <div>
9       <button onClick={() => value.setCount((count) => count +
10         1)}><span><Component1/></span>I am a button</button>
11   )
12 }
13
14 export default Button
15
```



Ln 1, Col 26

Spaces: 2

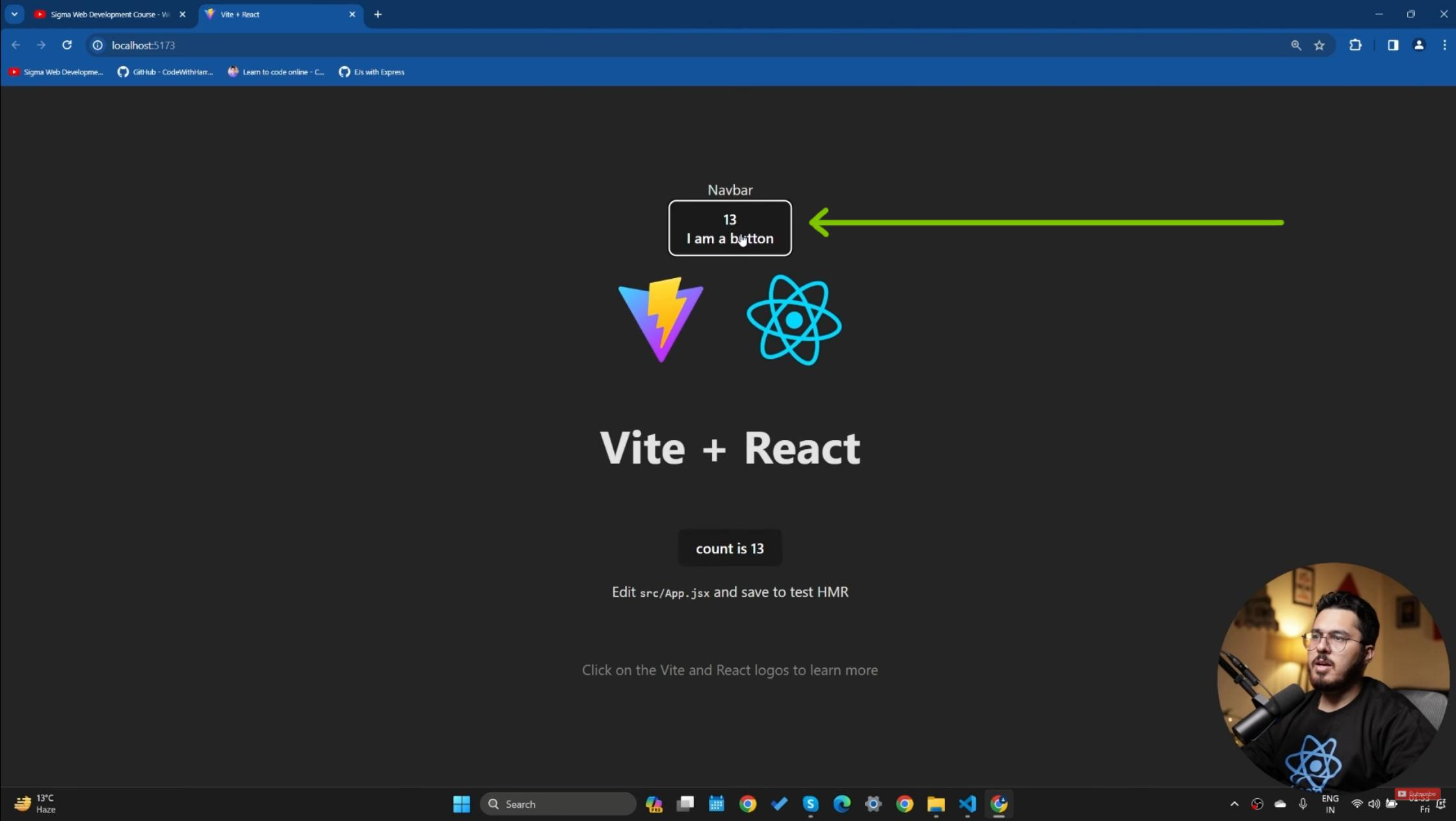
UTF-8

CRL.



ENG IN

Fri



Sigma Web Development Course - W... X Vite + React

localhost:5173

Sigma Web Developme... GitHub - CodeWithHarr... Learn to code online - C... Els with Express

Navbar

13

I am a button

Vite + React

count is 13

Edit src/App.jsx and save to test HMR

Click on the Vite and React logos to learn more

13°C Haze

Search

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