

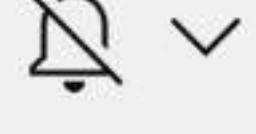
Components, Props and JSX in React | Sigma Web Development Course - Tutorial ...

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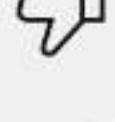


CodeWithHarry 7.85M

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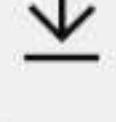


5.3K



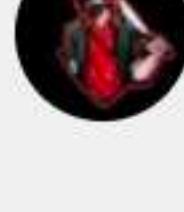
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Now I am a developer it's been 1 year but I started my career by your video

 AngelOne

Pizza at ₹479

SIP at just ₹



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Sigma Web Development Course - W... • 106/139





A screenshot of a Microsoft Visual Studio Code (VS Code) interface. The title bar shows "first-app". The Explorer sidebar on the left lists files and folders, including "FIRST-A..." (expanded), "node_modules", "public", "src" (expanded), "assets", "components" (expanded), "Navbar.css", "Navbar.jsx" (selected), "App.css", "App.jsx", "index.css", "main.jsx", ".eslintrc.cjs", ".gitignore", "index.html", "package-lock.json", "package.json", "README.md", and "vite.config.js". The status bar at the bottom shows "Ln 4, Col 1", "Spaces: 2", "UTF-8", "CRLF", "JavaScript JSX", and a bell icon. The bottom right corner has a "Subscribe" button. The main editor area displays the "Navbar.jsx" file:

```
App.jsx Navbar.jsx ✘ Navbar.css ✘ index.css ✘ index.html
src > components > Navbar.jsx > ...
1 import React from 'react'
2 import "./components/Navbar.css"
3
4
5 const Navbar = () => {
6   return (
7     <div>
8       <nav>
9         <ul>
10          <li>Home</li>
11          <li>About</li>
12          <li>Contact</li>
13        </ul>
14      </nav>
15    </div>
16  )
17}
18
19 export default Navbar
20
```



A screenshot of a Microsoft Visual Studio Code interface. The title bar shows "first-app". The Explorer sidebar on the left lists files and folders in a dark-themed file tree. The main editor area displays a file named "App.jsx" with the following code:

```
import Navbar from "./components/Navbar"
function App() {
  return (
    <>
    <Navbar/>
    </>
  )
}
export default App
```

The code uses JSX syntax, including template literals and the export default statement. The "Navbar" component is imported from the "components" folder. The "App" component returns a single "Navbar" component. The code editor has a dark theme with syntax highlighting. The status bar at the bottom shows file statistics like "Ln 7, Col 16" and "Spaces: 2". A "Subscribe" button is visible in the bottom right corner.

A screenshot of a Microsoft Visual Studio Code (VS Code) interface showing a React application named "first-app".

The Explorer sidebar on the left shows the project structure:

- node_modules
- public
- src
 - assets
 - components
 - Navbar.css
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

The active file in the editor is `Navbar.jsx`, which contains the following code:

```
import React from 'react'
import "./Navbar.css"

const Navbar = () => {
  return (
    <div>
      <nav>
        <ul>
          <li>Home</li>
          <li>About</li>
          <li>Contact</li>
        </ul>
      </nav>
    </div>
  )
}

export default Navbar
```

The terminal at the bottom shows the output of the `vite` command:

```
8:27:41 pm [vite] hmr update /src/App.jsx
```

A video player overlay in the bottom right corner shows a man with glasses speaking into a microphone, likely the creator of the video.

File Edit Selection View Go ... ⏪ ⏩ ⏴ first-app

EXPLORER ...

FIRST-APP

- > node_modules
- > public
- < src
 - > assets
 - < components
 - Navbar.css
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx Navbar.jsx Navbar.css index.css index.html

src > components > Navbar.css > nav

```
1  nav, ul{  
2      display: flex;  
3  }  
4  
5  li{  
6      list-style-type: none;  
7  }  
8  
9  ul{  
10     gap: 34px;  
11  }  
12  
13  nav{  
14      background-color: beige;  
15      padding: 23px;  
16  }  
17
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

8:29:15 pm [vite] hmr update /src/components/Navbar.css (x2)

node

Ln 16, Col 12 Spaces: 4

Fog warning In effect

Search

Subsribe

2029 Mon



EXPLORER ...

FIRST-APP

- > node_modules
- > public
- src
 - > assets
 - components
 - Card.css
 - Card.jsx
 - Footer.css
 - Footer.jsx
 - Navbar.css
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx index.css Card.jsx Card.css Footer.jsx Footer.css Navbar.jsx

src > components > Card.jsx > Card

```
1 import React from 'react'
2 import "./Card.css"
3
4 const Card = (props) => {
5   return (
6     <div className='card'>
7       <h1>{props.title}</h1>
8       <p>{props.description}</p>
9
10    </div>
11  )
12}
13
14 export default Card
15
```

Ln 8, Col 30 Spaces: 4 UTF-8 CRL

13°C Haze

Search

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EXPLORER

FIRST-APP

- > node_modules
- > public
- > src
 - > assets
 - > components
 - Card.css
 - Card.jsx
 - Footer.css
 - Footer.jsx
 - Navbar.css
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
- > OUTLINE
- > TIMELINE
- > TASK EXPLORER

App.jsx index.css Card.jsx Card.css Footer.jsx Footer.css Navbar.jsx

src > App.jsx > App

```
function App() {  
  return (  
    <>  
      <Navbar />  
      <div className="cards">  
        <Card title="card 1" description="card 1 desc" />  
        <Card title="card 2" description="card 2 desc" />  
        <Card title="card 3" description="card 3 desc" />  
        <Card title="card 4" description="card 4 desc" />  
      </div>  
      <Footer />  
    </>  
  )  
}  
  
export default App
```

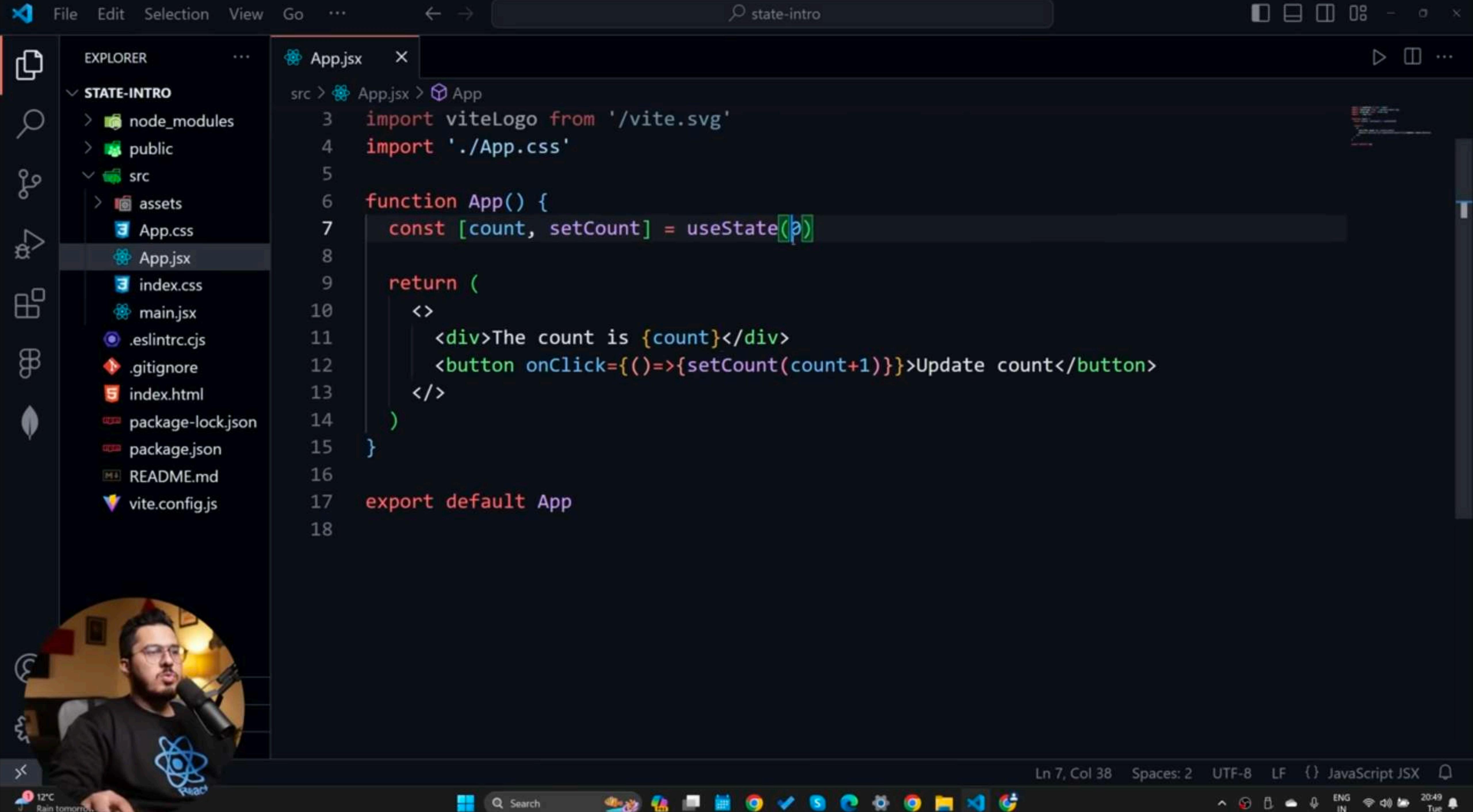
Ln 14, Col 49 Spaces: 2 UTF-8

13°C Haze

Search

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A screenshot of a video player interface overlaid on a dark-themed code editor. The video player shows a man with glasses and a beard speaking into a microphone. The code editor displays a file named `App.jsx` with the following content:

```
src > App.jsx > App
3 import viteLogo from '/vite.svg'
4 import './App.css'
5
6 function App() {
7   const [count, setCount] = useState(0)
8
9   return (
10     <>
11       <div>The count is {count}</div>
12       <button onClick={()=>{setCount(count+1)}}>Update count</button>
13     </>
14   )
15 }
16
17 export default App
18
```

The code uses React functional components and the `useState` hook to manage state and render a UI with a button that increments the count.

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8:05 (..)

20
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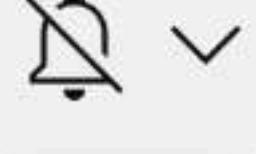
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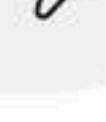


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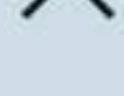
eX

Next: The useEffect Hook in React | Sigma Web...

→ Programming Background Needed

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Classroom Training Available





A screenshot of a video player interface, likely from a YouTube channel. The video frame shows a man with a beard and glasses speaking into a microphone. The video title is "state-intro". The video player has a dark theme with white text.

File Edit Selection View Go ... ← → state-intro

EXPLORER

STATE-INTRO

- > node_modules
- > public
- src
- > assets
- App.css
- App.jsx
- index.css
- main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx

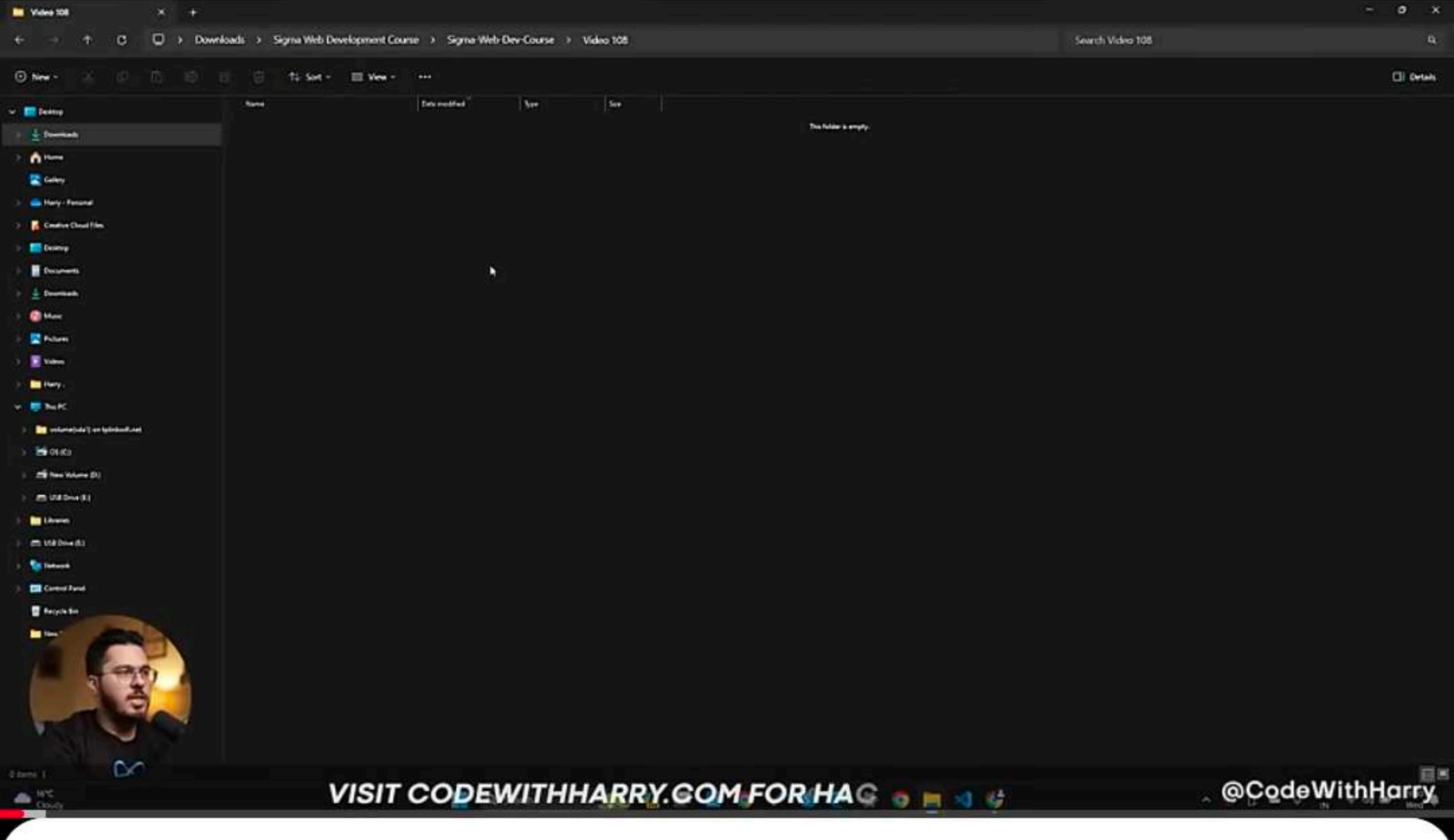
```
src > App.jsx > App
3 import viteLogo from '/vite.svg'
4 import './App.css'
5
6 function App() {
7   const [count, setCount] = useState(0)
8
9   return (
10     <>
11       <div>The count is {count}</div>
12       <button onClick={()=>{setCount(count+1)}}>Update count</button>
13     </>
14   )
15 }
16
17 export default App
18
```

Ln 7, Col 38 Spaces: 2 UTF-8 LF () JavaScript JSX

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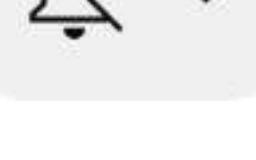
The useEffect Hook in React | Sigma Web Development Course - Tutorial #108

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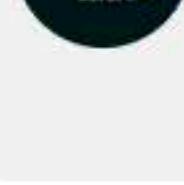
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Bro literally i got placed in frontend from your videos....
Thank you very much... Lots of respect.



File Edit Selection View Go ⏪ ⏩ Video 108

EXPLORER ...

VIDEO 108

project

- public
- src
- .eslintrc.cjs
- .gitignore
- index.html
- package.json
- README.md
- vite.config.js

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

powershell + ⊞ ⊞ ... ^ ×

```
✓ Project name: ... project
✓ Select a framework: » React
✓ Select a variant: » JavaScript

Scaffolding project in C:\Users\iitia\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 108\project...

Done. Now run:

cd project
npm install
npm run dev
```

PS C:\Users\iitia\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 108> code -r project

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108 Cloudy ENG IN 19:34 Wed

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EXPLORER ...

VIDEO 108

> node_modules

> public

src

> assets

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

App.jsx

src > App.jsx > ...

```
1 import { useState, useEffect } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'

5
6 function App() {
7   const [count, setCount] = useState(0)

8
9   useEffect(() => {
10     alert("Hey welcome to my page")
11
12   }, [])
13
14
15   return (
16     <>
```

Ln 1, Col 23 (13 selected) Spaces: 2 UTF-8 LF () JavaScript JSX

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File Edit Selection View Go ... ← → ⌂ Video 108

EXPLORER ...

VIDEO 108

node_modules

public

src

assets

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

App.jsx

vite.config.js

README.md

package.json

package-lock.json

index.html

main.jsx

...

5

6 function App() {

7 const [count, setCount] = useState(0) :
 (alias) useState<number>(initialState: number)

8 useEffect(() => ((): => number)): [number,

9 alert("Hey welcome to my page")
10 , []] @React.SetStateAction<number>]
11 } @1 overload
12 import useState

13 useEffect(() => {
14 alert("Count was changed")
15 }, [count]) @version — 16.8.0

16

17

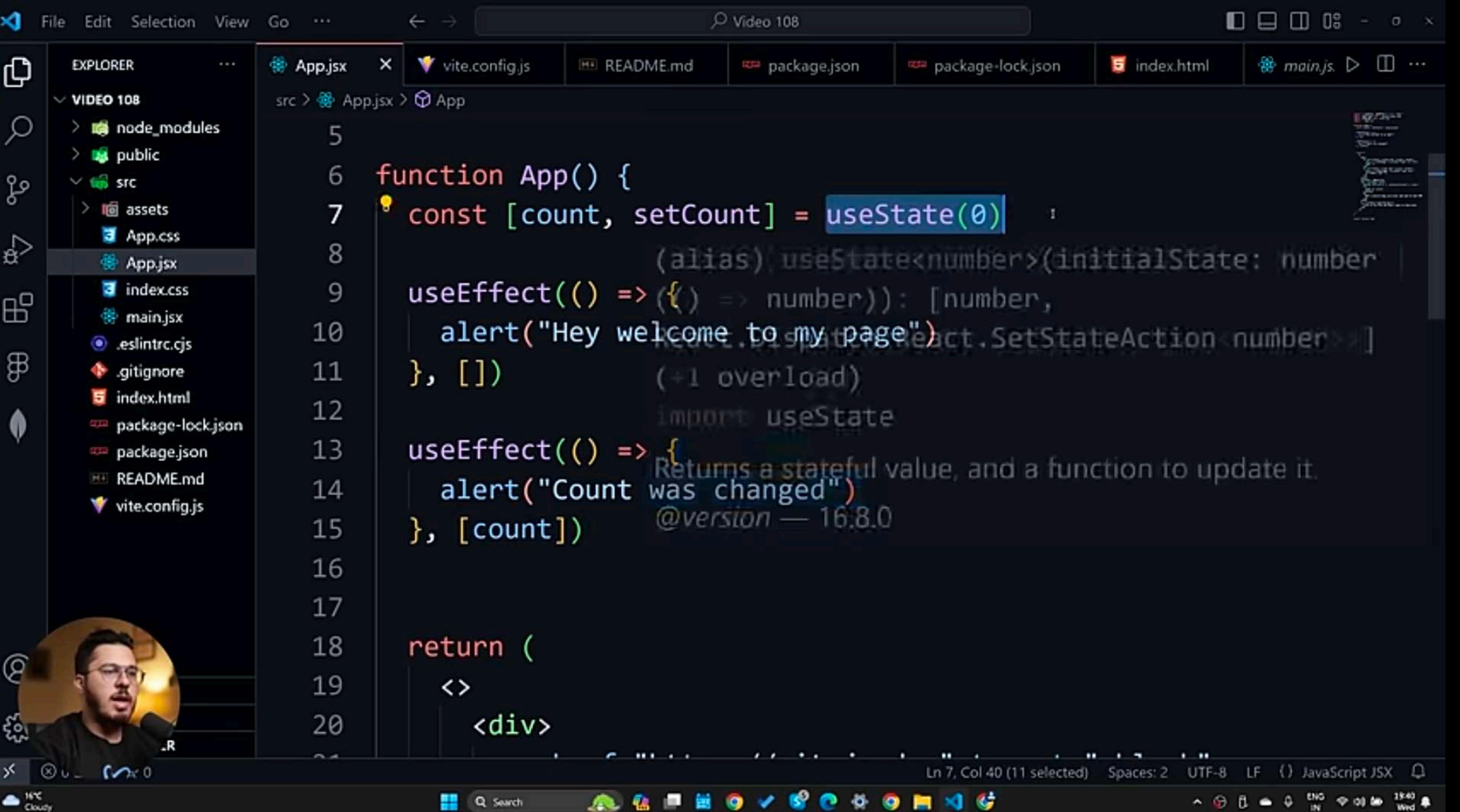
18 return (
19 <>
20 <div>

Ln 7, Col 40 (11 selected) Spaces: 2 UTF-8 LF () JavaScript JSX

16°C Cloudy Search

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19:40 Wed



strictmode in react



AI Overview

DEV

म

En



Listen

React's StrictMode is a development-only tool designed to help identify potential problems and highlight best practices within a React application. It does not render any visible UI and does not affect the production build of your application.

Key aspects of StrictMode:

Enables additional checks and warnings:

When components are wrapped within `<React.StrictMode>`, React activates a set of checks and warnings for those components and their descendants. These checks are designed to catch common mistakes and potential issues that might lead to bugs or unexpected behavior.

Identifies unsafe practices:

StrictMode helps identify and warn about unsafe practices, such as using deprecated lifecycle methods, directly modifying state, or setting read-only properties.

Detects side effects:

It highlights components that might have unintended side effects during rendering, which can be crucial for optimizing performance and ensuring predictable behavior.



Home



Search



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Notifications

strictmode in react



read-only properties.

Detects side effects:

It highlights components that might have unintended side effects during rendering, which can be crucial for optimizing performance and ensuring predictable behavior.

Improved warnings:

StrictMode provides more explicit and detailed warning messages for various common mistakes, making it easier for developers to understand and fix issues.

Double-invoking functions and effects (in development):

StrictMode intentionally re-renders components and re-runs Effect Hooks (like `useEffect`) in development mode to help detect issues related to impure rendering or missing Effect cleanup. This can sometimes lead to console logs or API calls appearing twice, which is a feature for debugging, not a bug in the application's logic.

How to use StrictMode:

You can wrap any part of your component tree with `<React.StrictMode>` to enable its checks for that section. For example:

Code



Home



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Notifications

strictmode in react

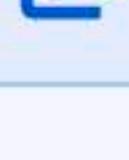


and re-runs Effect Hooks (like `useEffect`) in development mode to help detect issues related to impure rendering or missing Effect cleanup. This can sometimes lead to console logs or API calls appearing twice, which is a feature for debugging, not a bug in the application's logic.

How to use StrictMode:

You can wrap any part of your component tree with `<React.StrictMode>` to enable its checks for that section. For example:

Code



```
import React from 'react';

function App() {
  return (
    <React.StrictMode>
      <MyComponent />
    </React.StrictMode>
  );
}

}
```

By using StrictMode during development, you can proactively identify and address potential issues, leading to more robust and maintainable React applications.

AI responses may include mistakes. [Learn more](#)



Home



Search



Saved



Notifications

File Edit Selection View Go ... ← → ⌂ Video 108

EXPLORER ...

VIDEO 108

> node_modules

> public

< src

> assets

< components

Navbar.jsx

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

Subscriptions

Profile

File Explorer

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Terminal

Output

Console

Issues

Problems

Tasks

Logs

File

Edit

Selection

View

Go

...

App.jsx Navbar.jsx X index.html main.jsx

src > components > Navbar.jsx > Navbar > useEffect() callback

```
1 import React, {useEffect} from 'react'
2
3 const Navbar = ({color}) => {
4   useEffect(() => {
5     alert("color was changed")
6   }, [color])
7
8   return (
9     <div>
10    I am navbar of {color} color hehe..
11   </div>
12 )
13 }
14
15 export default Navbar
16
```

Ln 5, Col 30 Spaces: 2 UTF-8 CRLF () JavaScript JSX

Subscribe

File Edit Selection View Go ... ← → ⌂ Video 108

EXPLORER ...

VIDEO 108

> node_modules

> public

< src

> assets

< components

Navbar.jsx

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

App.jsx

Navbar.jsx

index.html

main.jsx

21 }, [first])

22

23

24 return (

25 <>

26 <Navbar color={"navy " + "blue"} />

27 <div>

28

29

30

31

32

33

34 </div>

35 <h1>Vite + React</h1>

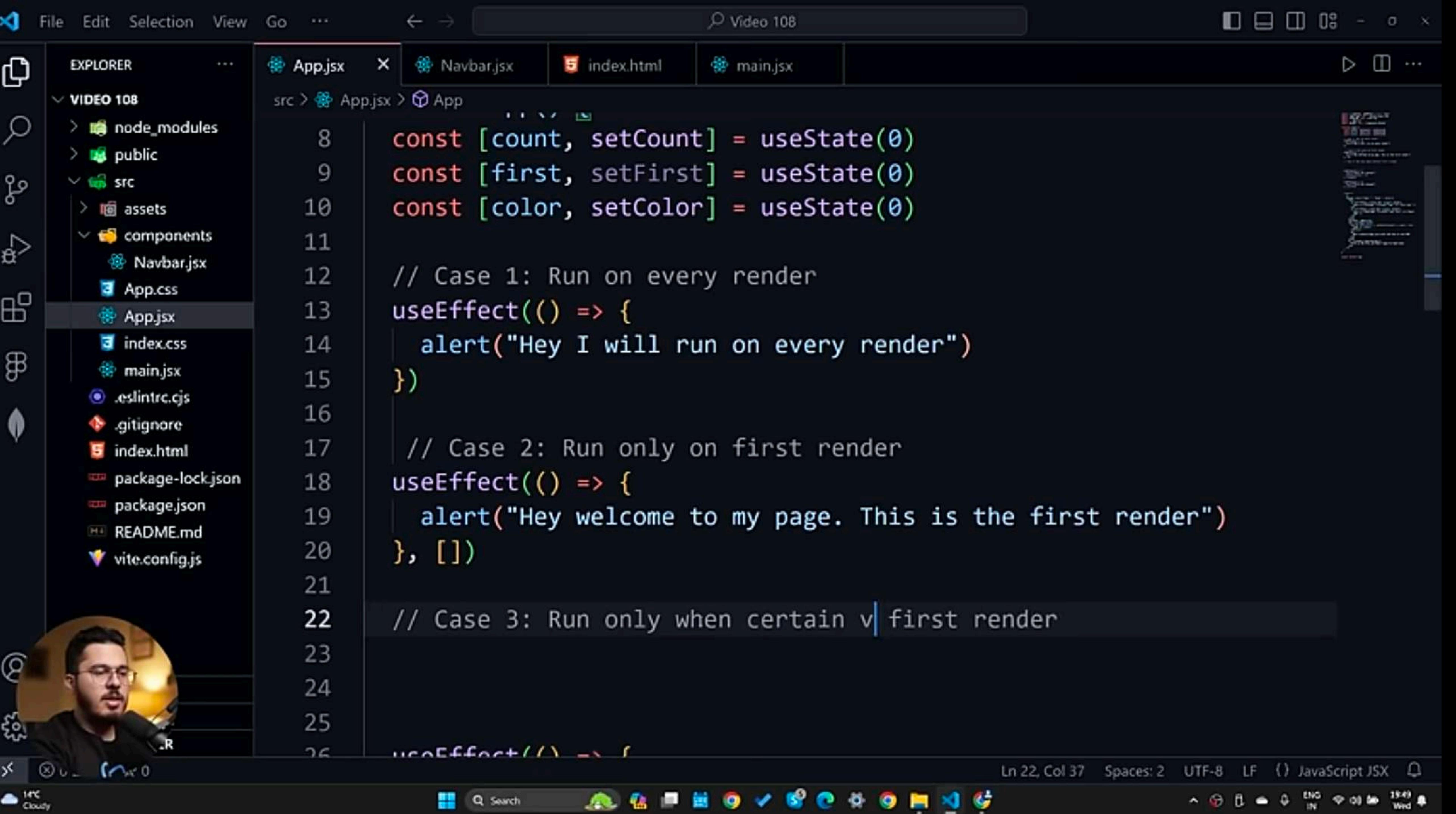
36 <div className="card">

37 <button onClick={() => setCount((count) => count + 1)}>

38 count is {count}

Ln 26, Col 37 (18 selected) Spaces: 2 UTF-8 LF () JavaScript JSX ⚡

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File Edit Selection View Go ... ⏪ ⏩ Video 108

EXPLORER

VIDEO 108

- node_modules
- public
- src
 - assets
 - components
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx

src > App.jsx > App

```
const [count, setCount] = useState(0)
const [first, setFirst] = useState(0)
const [color, setColor] = useState(0)

// Case 1: Run on every render
useEffect(() => {
  alert("Hey I will run on every render")
})

// Case 2: Run only on first render
useEffect(() => {
  alert("Hey welcome to my page. This is the first render")
}, [])

// Case 3: Run only when certain value changes
useEffect(() => {
```

Ln 22, Col 37 Spaces: 2 UTF-8 LF () JavaScript JSX

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File Edit Selection View Go ... ← → ⌂ Video 108

EXPLORER ...

VIDEO 108

> node_modules

> public

src

> assets

components

Navbar.jsx

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

App.jsx

Navbar.jsx

index.html

main.jsx

useEffect(() => {
 alert("Hey I will run on every render")
})

// Case 2: Run only on first render
useEffect(() => {
 alert("Hey welcome to my page. This is the first render")
}, [])

// Case 3: Run only when certain values change
useEffect(() => {
 alert("Hey I am running because color was changed")
}, [color])

useEffect(() => {
 alert("Count was changed")
 setColor(color + 1)
})

Ln 25, Col 12 Spaces: 2 UTF-8 LF () JavaScript JSX

14°C Cloudy Search

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File Edit Selection View Go ... ← → ⌂ Video 108

EXPLORER ...

VIDEO 108

> node_modules

> public

src

> assets

components

Navbar.jsx

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

App.jsx

Navbar.jsx

index.html

main.jsx

useEffect() callback

```
11
12
13  useEffect(() => {
14      alert("Count was changed")
15      setColor(color + 1)
16  }, [count])
17
18  useEffect(() => {
19      alert("Hey welcome to my page. This is the first render of app.jsx")
20
21      return () => {
22          alert("component was unmounted")
23      }
24  }, [])
25
26
27
28
29
30  return (
```

Ln 23, Col 6 Spaces: 2 UTF-8 LF () JavaScript JSX

Subscribe

File Edit Selection View Go ... ← → ⌂ Video 108 □ □ □ □ - o ×

EXPLORER ...

VIDEO 108

> node_modules

> public

src

> assets

components

Navbar.jsx

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

App.jsx Navbar.jsx index.html main.jsx

```
src > components > Navbar.jsx > Navbar
  9 // Case 2: Run only on first render
 10 useEffect(() => {
 11   alert("Hey welcome to my page. This is the first render")
 12 }, [])
 13
 14 // Case 3: Run only when certain values change
 15 useEffect(() => {
 16   alert("Hey I am running because color was changed")
 17 }, [color])
 18
 19 // Example of Cleanup function
 20 useEffect(() => {
 21   alert("Hey welcome to my page. This is the first render of app.jsx")
 22
 23   return () => {
 24     alert("component was unmounted")
 25   }
 26 }, [])
 27
 28 return (
 29   <div>
 30     <h1>Welcome</h1>
 31     <p>This is my first render</p>
 32     <button>Click me</button>
 33   </div>
 34 )
```

Ln 19, Col 33 Spaces: 2 UTF-8 CRLF () JavaScript JSX

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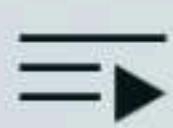


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EXPLORER

VIDEO 109

node_modules

public

src

assets

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

App.jsx

src > App.jsx > App > useEffect() callback

```
1 import { useState, useEffect, useRef } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'
5
6 function App() {
7   const [count, setCount] = useState(0)
8   const a = useRef(0)
9
10  useEffect(() => {
11    a.current = a.current + 1
12    console.log(`rerendering and the value of a is ${a.current}`)
13  });
14
15
16  return (
17    <>
18      <div>
19        <a href="https://vitejs.dev" target="_blank">
20          <img src={viteLogo} className="logo" alt="Vite logo" />
21        </a>
22        <a href="https://react.dev" target="_blank">
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

8:39:13 pm [vite] hmr update /src/App.jsx (x3)

Ln 12, Col 63 Spaces: 2 UTF-8 LF

Cloudy 0 △ 0 ⚡ 0

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EXPLORER ...

VIDEO 109

- > node_modules
- > public
- src
 - > assets
 - App_1.jsx
 - App.css
 - App.jsx**
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

App.jsx X main.jsx

```
src > App.jsx > App
1 import { useState, useEffect, useRef } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'

5
6 function App() {
7   const [count, setCount] = useState(0)
8   const ref = useRef()

9
10  useEffect(() => {
11    console.log(`First rendering..`)
12  }, []);

13
14  return (
15    <>
16      <div>
17        <a href="https://vitejs.dev" target="_blank">
18          <img src={viteLogo} className="logo" alt="Vite logo" />
19        </a>
20        <a href="https://react.dev" target="_blank">
21          <img src={reactLogo} className="logo react" alt="React logo" />
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

8:42:29 pm [vite] hmr update /src/App.jsx (x6)

node

OUTLINE

TIMELINE

TASK EXPLORER

Ln 8, Col 7 (4 selected) Spaces: 2 UTF-8 LF

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EXPLORER

VIDEO 109

- > node_modules
- > public
- < src
 - > assets
 - App_1.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx X main.jsx

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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

8:42:29 pm [vite] hmr update /src/App.jsx (x6)

Ln 27, Col 26 (9 selected) Spaces: 2 UTF-8 LF

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EXPLORER

VIDEO 109

- > node_modules
- > public
- < src
 - > assets
 - App_1.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx X main.jsx

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

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

8:42:29 pm [vite] hmr update /src/App.jsx (x6)

Ln 29, Col 18 (111 selected) Spaces: 2 UTF-8 LF

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EXPLORER

VIDEO 109

- > node_modules
- > public
- < src
 - > assets
 - App_1.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx X main.jsx

```
src > App.jsx > App > useEffect() callback
1 import { useState, useEffect, useRef } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'

5
6 function App() {
7   const [count, setCount] = useState(0)
8   const ref = useRef()

9
10  useEffect(() => {
11    console.log(`First rendering..`)
12    ref.current.style.backgroundColor = "red"
13  }, []);

14
15
16  return (
17    <>
18      <div>
19        <a href="https://vitejs.dev" target="_blank">
20          <img src={viteLogo} className="logo" alt="Vite logo" />
21        </a>
22        <a href="https://react.dev" target="_blank">
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

8:42:29 pm [vite] hmr update /src/App.jsx (x6)

node

Ln 12, Col 45 Spaces: 2 UTF-8 LF

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- 2
- 3
- 4
- 5



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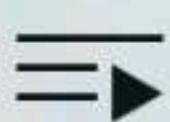
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EXPLORER ...

VIDEO 110

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx X

src > App.jsx > App

```
4 import './App.css'
5
6 function App() {
7   const [count, setCount] = useState(0)
8   const [showbtn, setShowbtn] = useState(true)
9
10  return (
11    <>
12      <div>
13        <a href="https://vitejs.dev" target="_blank">
14          <img src={viteLogo} className="logo" alt="Vite logo" />
15        </a>
16        <a href="https://react.dev" target="_blank">
17          <img src={reactLogo} className="logo react" alt="React logo" />
18        </a>
19      </div>
20      <h1>Vite + React</h1>
21      {showbtn ? <button>I will be shown only when second button is clicked</button> : "thenga"}
22      <div className="card">
23        <button onClick={() => setCount((count) => count + 1)}>
24          count is {count}
25        </button>
26        <p>
27          Edit <code>src/App.jsx</code> and save to test HMR
28        </p>
29      </div>
30      <p className="read-the-docs">
31        Click on the Vite and React logos to learn more

```

Ln 21, Col 7 (87 selected) Spaces: 2 UTF-8 LF ENG IN 19:52 Mon

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A screenshot of a Microsoft Visual Studio Code interface displaying a React application codebase. The left sidebar shows a file tree with files like `index.css`, `main.jsx`, and `vite.config.js`. The main editor pane shows `App.jsx` with code for a Vite + React application. A tooltip is visible over the line `I will be shown only when second button is clicked</button>: "thenga"`. The bottom status bar shows system information like weather and battery level. A video overlay of a man speaking is visible in the bottom right corner.

File Edit Selection View Go ... ← → Video 110 □ □ □ □ - □ ×

EXPLORER ...

VIDEO 110

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

2x ►►

src > App.jsx > App

```
1 / <img src={reactLogo} className="logo react" alt="React logo" />
  18 </a>
  19 </div>
  20 <h1>Vite + React</h1>
  21 /* {showbtn?<button>I will be shown only when second
button is clicked</button>: ""} */
  22 {showbtn && <button>I will be shown only when second
button is clicked</button>}
  23 <div className="card">
  24   <button onClick={() => setCount((count) => count + 1)}>
  25     count is {count}
  26   </button>
  27   <p>
  28     Edit <code>src/App.jsx</code> and save to test HMR
  29   </p>
  30 </div>
  31 <p className="read-the-docs">
```

Ln 22, Col 14 (6 selected) Spaces: 2 UTF-8 LF {} JavaScript JSX ⚙ 17°C Mostly cloudy

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EXPLORER ...

VIDEO 110

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

App.jsx X

```
src > App.jsx > App
function App() {
  const [count, setCount] = useState(0)
  const [showbtn, setShowbtn] = useState(false)

  return (
    <>
      <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>
      {showbtn ? <button>Showbtn is true</button> : <button>Showbtn is false</button>}
      /* {showbtn && <button>Showbtn is true</button>} */
      <div className="card">
        <button onClick={() => setShowbtn(!showbtn)}>
          Toggle Showbtn
        </button>
        <p>
          Edit <code>src/App.jsx</code> and save to test HMR
        </p>
      </div>
    </>
  )
}
```

Ln 21, Col 37 (31 selected) Spaces: 2 UTF-8 LF {} JavaScript JSX ⚙ 17°C Mostly cloudy

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- > node_modules
- > public
- < src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

8:27 / 19:05 · List Rendering >

```
src > App.jsx > App > Todo
  3 import viteLogo from '/vite.svg'
  4 import './App.css'
  5
  6 function App() {
  7   const [count, setCount] = useState(0)
  8   const [showbtn, setShowbtn] = useState(false)
  9
 10  const Todo = () => {
 11    return [<>
 12      <div className="todo">I am todo</div></>]
 13  }
 14
 15  return (
 16    <>
 17      <div>
 18        <a href="https://vitejs.dev" target="_blank">
 19          <img src={viteLogo} className="logo" alt="Vite logo" />
 20        </a>
 21        <a href="https://react.dev" target="_blank">
 22          <img src={reactLogo} className="logo react" alt="React logo" />
 23        </a>
 24      </div>
 25    </>
 26  )
 27}
```



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ENG IN 19:57 Mon

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EXPLORER

VIDEO 110

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

App.jsx

```
src > App.jsx > App
  7 | const [count, setCount] = useState(0)
  8 | const [showbtn, setShowbtn] = useState(false)
  9 | const [todos, setTodos] = useState([
 10 |   {
 11 |     title: "Hey",
 12 |     desc: "I am a good todo"
 13 |   },
 14 |   {
 15 |     title: "Hey Another todo",
 16 |     desc: "I am a good todo too"
 17 |   },
 18 |   {
 19 |     title: "Hey I am grocery todo",
 20 |     desc: "I am a good todo but I am grocery todo"
 21 |   },
 22 | ],
 23 | )
 24 |
 25 | const Todo = ({todo}) => {
 26 |   return (<>
 27 |
 28 |     <div className="todo">{todo.title}</div>
 29 |     <div className="todo">{todo.desc}</div>
 30 |   </>
 31 | )
 32 |
 33 | return (
 34 |   <>
 35 |   <div>
 36 |     <a href="https://vitejs.dev" target="_blank">
 37 |       <img src={viteLogo} className="logo" alt="Vite logo" />
```

Ln 19, Col 38 Spaces: 2 UTF-8 LF {} JavaScript JSX

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EXPLORER ...

VIDEO 1... node_modules public src assets App.css App.jsx index.css main.jsx .eslintrc.cjs .gitignore index.html package-lock.json package.json README.md vite.config.js

App.jsx

```
src > App.jsx > App > Todo
20
21 },
22
23 ]
24
25 const Todo = ({todo}) => {
26   return [<>
27     <div className="m-4 border-1">
28       <div className="todo">{todo.title}</div>
29       <div className="todo">{todo.desc}</div>
30     </div>
31   </>]
32 }
33
34
35 return (
36   <>
37   <div>
38     <a href="https://vitejs.dev" target="_blank">
39       <img src={viteLogo} className="logo" alt="Vite logo" />
40     </a>
41     <a href="https://react.dev" target="_blank">
```

Ln 28, Col 1 Spaces: 2 UTF-8 LF {} JavaScript JSX

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EXPLORER ...

VIDEO 110

> node_modules

> public

src

> assets

App.css

App.jsx

index.css 3

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

postcss.config.js

README.md

tailwind.config.js

vite.config.js

App.jsx index.html tailwind.config.js index.css 3 package.json

src > App.jsx > App > todos.map() callback

button>}

47 /* {showbtn && <button>showbtn is true</button>} */

48

49 {todos.map(todo=>{

50 return <Todo todo={todo}/>

51 })}

52 <div className="card">

53 <button onClick={() => setShowBtn(!showBtn)}>

54 Toggle showbtn

55 </button>

56 <p>

Ln 49, Col 25 Spaces: 2 UTF-8 LF {} JavaScript JSX ⚡ 15°C Mostly cloudy

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EXPLORER ...

VIDEO 110

- > node_modules
- > public
- src
 - > assets
 - App.css
- App.jsx
- index.css 3
- main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- postcss.config.js
- README.md
- tailwind.config.js
- vite.config.js



App.jsx index.html tailwind.config.js index.css 3 package.json

src > App.jsx > App > todos.map() callback

```
45 <h1>Vite + React</h1>
46 {showbtn ? <button>showbtn is true</button> : <button>showbtn is
47 false</button>}
48 /* {showbtn && <button>showbtn is true</button>} */
49
50
51
52
53
54
55
56
57
58
59
60
61
62
```

todos.map(todo => {
 // return <Todo key={todo.title} todo={todo}/>
 return
 <div key={todo.title} className="m-4 border border-1
 border-purple-400">

 <div className="todo">{todo.title}</div>
 <div className="todo">{todo.desc}</div>
 </div>
 })
}

<div className="card">
 <button onClick={() => setShowBtn(!showBtn)}>
 Toggle showBtn
 </button>
 <p>

Ln 51, Col 16 (1 selected) Spaces: 2 UTF-8 LF {} JavaScript JSX ⌂ ENG IN 20:08 Mon

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EXPLORER

VIDEO 110

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css 3
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - postcss.config.js
 - README.md
 - tailwind.config.js
 - vite.config.js

App.jsx index.html tailwind.config.js index.css 3 package.json

```
src > App.jsx > App > todos.map() callback
39   <img src={viteLogo} className="logo" alt="Vite logo" />
40   </a>
41   <a href="https://react.dev" target="_blank">
42     <img src={reactLogo} className="logo react" alt="React logo" />
43   </a>
44 </div>
45 <h1>Vite + React</h1>
46 {showbtn ? <button>showbtn is true</button> : <button>showbtn is false</button>}
47 /* {showbtn && <button>showbtn is true</button>} */
48
49 {todos.map(todo => {
50   // return <Todo key={todo.title} todo={todo}/>
51   return <div key={todo.title} className="m-4 border border-1 border-purple-400">
52
53     <div className="todo">{todo.title}</div>
54     <div className="todo">{todo.desc}</div>
55   </div>
56 })
57 <div className="card">
58   <button onClick={() => setShowBtn(!showBtn)}>
59     Toggle showbtn
60   </button>
```

Ln 51, Col 37 Spaces: 2 UTF-8 LF {} JavaScript JSX

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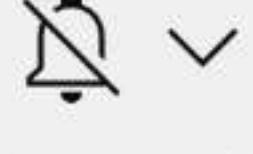
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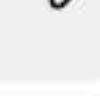
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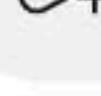
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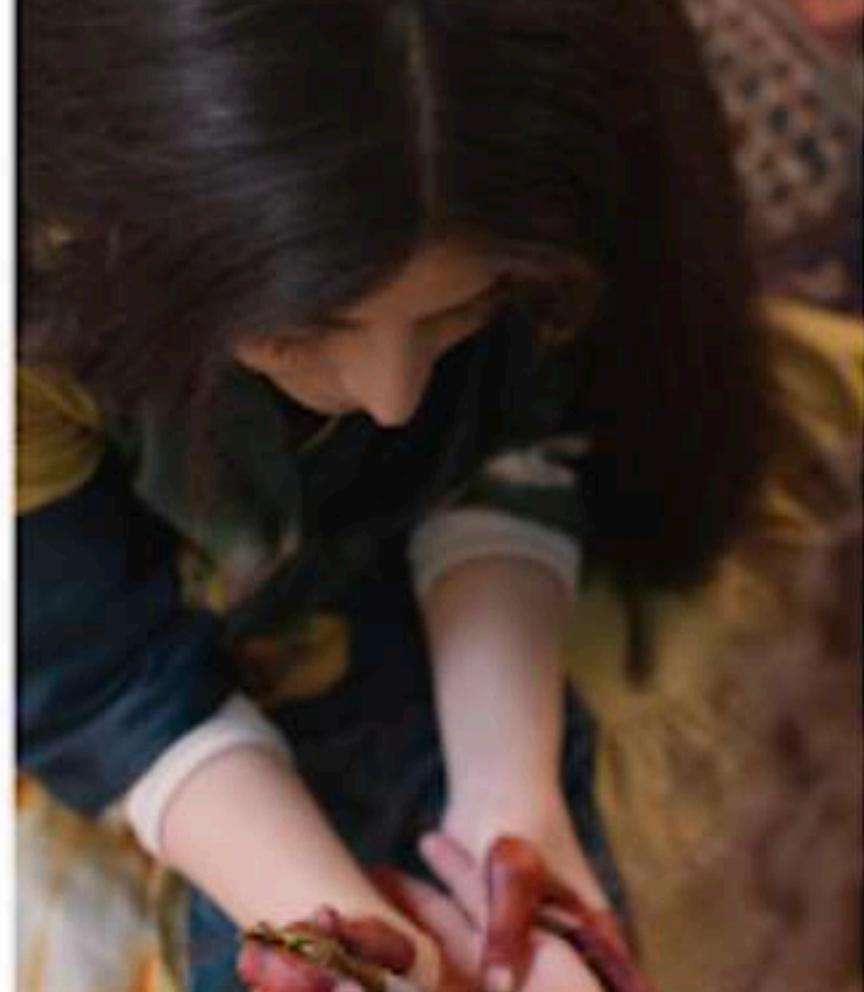
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A screenshot of a Visual Studio Code interface displaying a React application. The Explorer sidebar on the left shows the project structure for 'VIDEO 112' with files like node_modules, public, and src containing App.css, index.css, main.jsx, .eslintrc.cjs, .gitignore, index.html, package-lock.json, package.json, README.md, and vite.config.js. The main editor area shows 'App.jsx' with the following code:

```
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
6 function App() {
7   const [count, setCount] = useState(0)
8
9   const handleClick = ()=>{
10     alert("Hey I am clicked")
11 }
12
13   return (
14     <>
15       <div className="button">
16         <button onClick={handleClick}>Click me</button>
17       </div>
18     </>
19   )
20 }
21
22 export default App
```

The status bar at the bottom indicates the file is 'App.jsx', line 12, column 1, with 2 spaces, using UTF-8 encoding, and the language is set to JavaScript JSX.

Subscribe

File Edit Selection View Go ... ← → Video 112

EXPLORER

VIDEO 112

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

App.jsx

index.css

```
src > App.jsx > App > handleMouseOver
1 import { useState } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'
5
6 function App() {
7   const [count, setCount] = useState(0)
8
9   const handleClick = ()=>{
10     alert("Hey I am clicked")
11 }
12
13 const handleMouseOver = ()=>{
14   alert("Hey I am a mouse over")
15 }
16
17 return (
18   <>
19     <div className="button">
20       <button onClick={handleClick}>Click me</button>
21     </div>
22
23     <div className="red" onMouseOver={handleMouseOver}>
24       I am a red div
25     </div>
26   </>
27 )
28 }
```

Ln 14, Col 31 Spaces: 2 UTF-8 LF {} JavaScript JSX

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EXPLORER

VIDEO 112

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

App.jsx

index.css

```
src > App.jsx > App
7  const [count, setCount] = useState(0)
8  const [name, setName] = useState("Harry")
9
10 const handleClick = () => {
11   alert("Hey I am clicked")
12 }
13
14 const handleMouseOver = () => {
15   alert("Hey I am a mouse over")
16 }
17
18 return (
19   <>
20     <div className="button">
21       <button onClick={handleClick}>Click me</button>
22     </div>
23
24     <div className="red" onMouseOver={handleMouseOver}>
25       I am a red div
26     </div>
27
28     <input type="text" />
29   </>
30 )
31
32
33 export default App
34
```

Ln 8, Col 42 Spaces: 2 UTF-8 LF {} JavaScript JSX

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File Edit Selection View Go ... ← → Video 112

EXPLORER

VIDEO 112

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

App.jsx index.css 2x ►

```
src > App.jsx > App
10  const handleClick = () => {
11    alert("Hey I am clicked")
12  }
13
14  const handleMouseOver = () => {
15    alert("Hey I am a mouse over")
16  }
17
18  const handleChange = (e) => {
19    setName(e.target.value)
20  }
21
22  return (
23    <>
24      <div className="button">
25        <button onClick={handleClick}>Click me</button>
26      </div>
27
28      <div className="red" onMouseOver={handleMouseOver}>
29        I am a red div
30      </div>
31
32      <input type="text" value={name} onChange={handleChange} />
33    </>
34  )
35}
36
37 export default App
```

Ln 30, Col 13 Spaces: 2 UTF-8 LF {} JavaScript JSX

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EXPLORER ...

VIDEO 112

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx index.css

```
src > App.jsx > App > handleChange
7 | const [count, setCount] = useState(0)
8 | // const [name, setName] = useState("Harry")
9 | const [form, setForm] = useState({email: "", phone: ""})
10 |
11 | const handleClick = () => {
12 |   alert("Hey I am clicked")
13 |
14 |
15 | const handleMouseOver = () => {
16 |   alert("Hey I am a mouse over")
17 |
18 |
19 | const handleChange = (e) => {
20 |   // setName(e.target.value)
21 |   setForm({...form, [e.target.name]: e.target.value})
22 |
23 |
24 | return (
25 |   <>
26 |   <div className="button">
27 |     <button onClick={handleClick}>Click me</button>
28 |   </div>
29 |
30 |   /* <div className="red" onMouseOver={handleMouseOver}>
31 |     I am a red div
32 |   </div> */
33 |
34 |   <input type="text" name='email' value={form.name} onChange={handleChange} />
```

Ln 9, Col 44 (5 selected) Spaces: 2 UTF-8 LF {} JavaScript JSX

12°C Clear

Search

21:15 Wed

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EXPLORER ...

VIDEO 112

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx index.css

```
const handleMouseOver = () => {
  alert("Hey I am a mouse over")
}

const handleChange = (e) => {
  // setName(e.target.value)
  setForm({...form, [e.target.name]: e.target.value})
}

return (
  <>
    <div className="button">
      <button onClick={handleClick}>Click me</button>
    </div>

    /* <div className="red" onMouseOver={handleMouseOver}>
       I am a red div
     </div> */

    <input type="text" name='email' value={form.email} onChange={handleChange} />
    <input type="text" name='phone' value={form.phone} onChange={handleChange} />
  </>
)

export default App
```

Ln 31, Col 23 Spaces: 2 UTF-8 LF {} JavaScript JSX

12°C Clear Search

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EXPLORER ...

VIDEO 112

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx index.css

```
src > App.jsx > App > handleChange
13     }
14
15     const handleMouseOver = () => {
16         alert("Hey I am a mouse over")
17     }
18
19     const handleChange = (e) => {
20         // setName(e.target.value)
21         setForm({...form, [e.target.name]:e.target.value}) I
22         console.log(form)
23     }
24
25     return (
26         <>
27             <div className="button">
28                 <button onClick={handleClick}>Click me</button>
29             </div>
30
31             /* <div className="red" onMouseOver={handleMouseOver}>
32                 I am a red div
33             </div> */
34
35             <input type="text" name='email' value={form.email} onChange={handleChange} />
36             <input type="text" name='phone' value={form.phone} onChange={handleChange} />
37         </>
38     )
39 }
40 }
```

Ln 21, Col 55 (50 selected) Spaces: 2 UTF-8 LF {} JavaScript JSX ⏺ 12°C Clear Search ⏺ 21:16 Wed



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5:00



in (1)

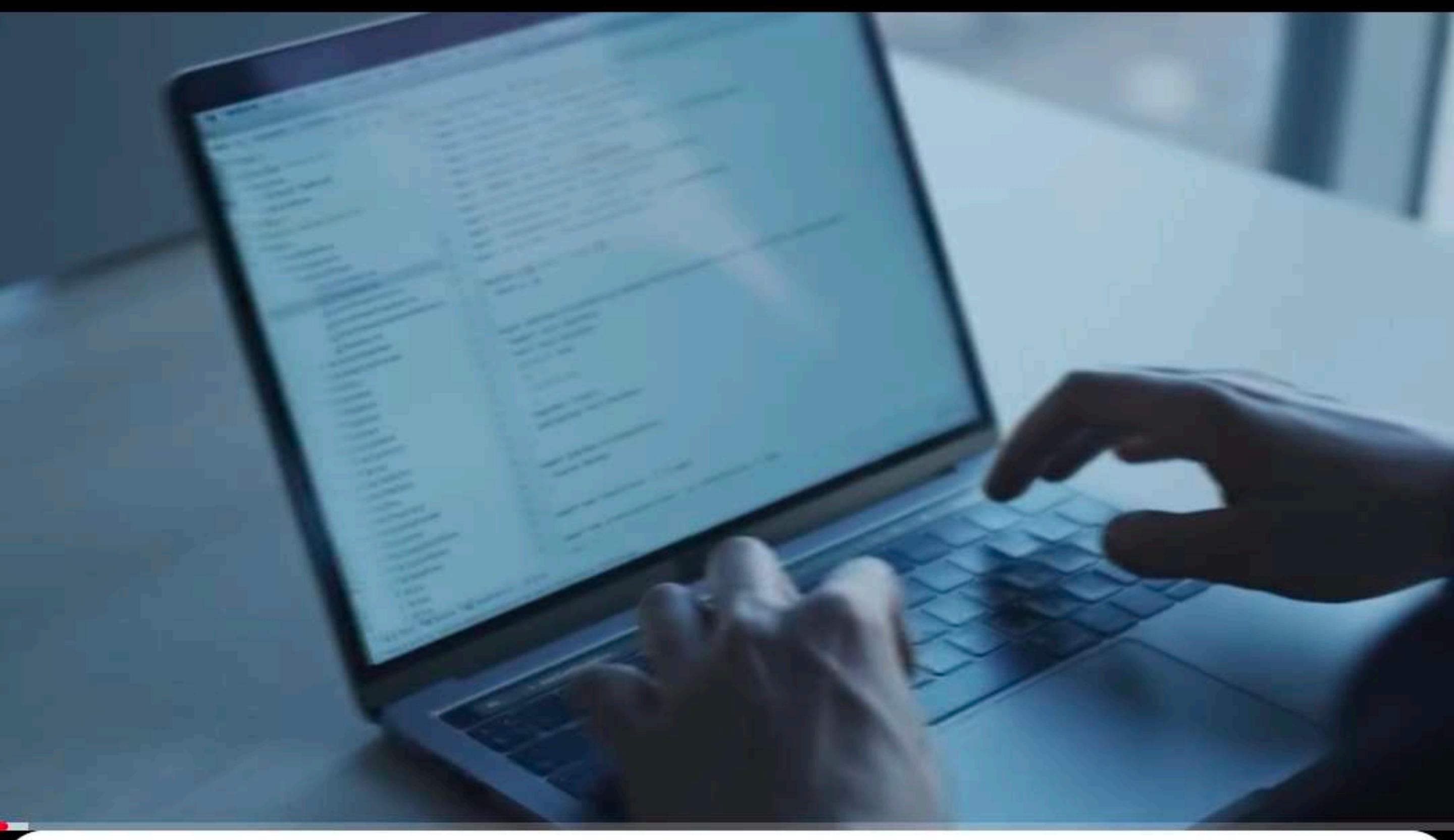
438.2
LTE KB/s



5G



74%



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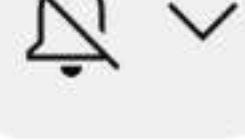
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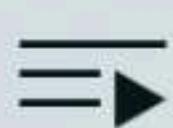
Comments 348



at 9:40 we can also use
put inside children element of Navbar using this ty...



Next: The useContext hook in React | Sigma We...



Today's Special • 3/4



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EXPLORER ... node App.jsx Navbar.jsx X

src > components > Navbar.jsx > Navbar

```
1 import React from 'react'
2
3 const Navbar = () => {
4   return (
5     <div>
6       <nav>
7         <a href="/"><li>Home</li></a>
8         <a href="/"><li>About</li></a>
9         <a href="/"><li>Contact</li></a>
10      </nav>
```

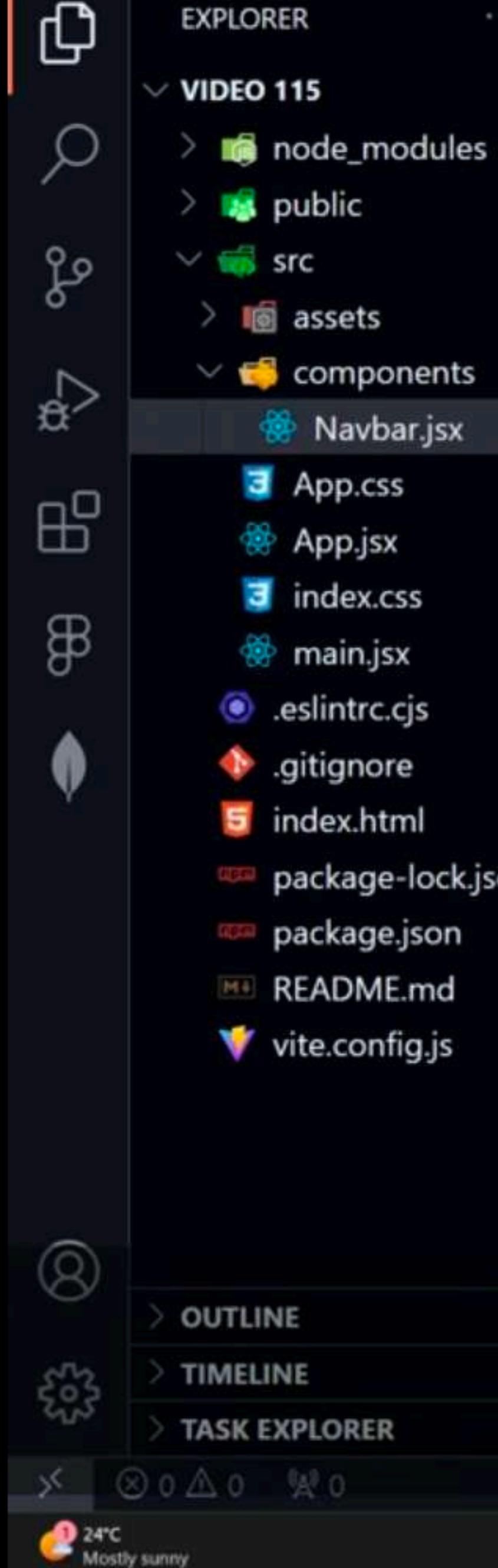
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

PS C:\Users\iitia\Downloads\Sigma Web Development Course\Sigma-Web-Dev-Course\Video 115> npm i react-router-dom

Enter



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LN 9, COL 32 Spaces: 4 UTF-8 CRL



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EXPLORER ... node App.jsx Navbar.jsx X

src > components > Navbar.jsx > ...

```
1 import React from 'react'
2 import { createBrowserRouter } from 'react-router-dom'
3
4 const Navbar = () => {
5   return (
6     <div>
7       <nav>
8         <a href="/"><li>Home</li></a>
9         <a href="/"><li>About</li></a>
10        <a href="/"><li>Contact</li></a>
11      </nav>
12    </div>
13  )
14 }
15
16 export default Navbar
17
```

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EXPLORER ... node App.jsx Navbar.jsx

VIDEO 115

node_modules

public

src

assets

components

Navbar.jsx

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

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Ln 5, Col 41 Spaces: 2 UTF-8 L. ENG IN 16:52 Wed

Backspace

```
4 import './App.css'
5 import Navbar from './components/Navbar'
6 import { createBrowserRouter } from 'react-router-dom'
7
8 function App() {
9   const router = createBrowserRouter([
10     {},
11     {},
12   ])
13   return (
14     <>
15     <Navbar/>
16
17     </>
18   )
19 }
20
```

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EXPLORER ... node App.jsx 1 Home.jsx X Navbar.jsx

src > components > Home.jsx > Home

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

OUTLINE
TIMELINE
TASK EXPLORER

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Shift+HOME

Ln 6, Col 16 Spaces: 4 UTF-8 CRL 16:53 ENG IN 16:53 Wed



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EXPLORER ... node App.jsx X Home.jsx Navbar.jsx ▶ □ ...

VIDEO 115

> node_modules

> public

src

> assets

components

Home.jsx

Navbar.jsx

App.css

App.jsx

index.css

main.jsx

.eslintrc.cjs

.gitignore

index.html

package-lock.json

package.json

README.md

vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

src > App.jsx > App > router

```
5 import Navbar from './components/Navbar'
6 import Home from './components/Home'
7 import { createBrowserRouter } from 'react-router-dom'

9 function App() {
10   const router = createBrowserRouter([
11     {
12       path: "/",
13       element: <Home/>
14     },
15     {},
16   ])
17   return (
18     <>
19     <div>Hee hee hooo</div>
20     <Navbar/>
21     </>
22   )
}
```

Ln 15, Col 6 Spaces: 2 UTF-8 L 24°C Mostly sunny ENG IN 16:53 Wed

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EXPLORER ... node App.jsx Login.jsx X Home.jsx Navbar.jsx ▶ ⌂ ...

src > components > Login.jsx > [e] Login

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

VIDEO 115

- > node_modules
- > public
- > src
 - > assets
 - > components
 - Home.jsx
 - Login.jsx
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

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EXPLORER ... node App.jsx Login.jsx Home.jsx Navbar.jsx ▶ ...

src > App.jsx > App > router > element

```
5 import Navbar from './components/Navbar'
6 import Home from './components/Home' I
7 import { createBrowserRouter } from 'react-router-dom'

8
9 function App() {
10   const router = createBrowserRouter([
11     {
12       path: "/",
13       element: <Home/>
14     },
15     {
16       path: "/login",
17       element: <Login/>
18     },
19   ])
20   return (
21     <>
```

Ln 6, Col 37 Spaces: 2 UTF-8 L 24°C Mostly sunny 16:53 Wed ENG IN



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EXPLORER ... node App.jsx X About.jsx Login.jsx Home.jsx Navbar.jsx ▷ ⌂ ...

VIDEO 115

> node_modules
> public
src
> assets
components
About.jsx
Home.jsx
Login.jsx
Navbar.jsx
App.css
App.jsx
index.css
main.jsx
.eslintrc.cjs
.gitignore
index.html
package-lock.json
package.json
README.md
vite.config.js

src > App.jsx > ...

```
1 import './App.css'
2 import Navbar from './components/Navbar'
3 import Home from './components/Home'
4 import Login from './components/Login'
5 import About from './components/About'
6 import { createBrowserRouter, RouterProvider } from 'react-router-dom'

7
8 function App() {
9   const router = createBrowserRouter([
10     {
11       path: "/",
12       element: <Home/>
13     },
14     {
15       path: "/login",
16       element: <Login/>
17     },
18     {
19       path: "/about",
20       element: <About/>
21     },
22   ])
23   return (
24     <>
25     <Navbar/>
26     <RouterProvider router={router} />
27     </>
28   )
29 }
30
31 export default App
```

Ln 5, Col 13 Spaces: 2 UTF-8 L 24°C Partly sunny ENG IN 16:55 Wed

Search



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EXPLORER ... node App.jsx About.jsx Login.jsx Home.jsx Navbar.jsx X ▷ ⌂ ...

VIDEO 115

> node_modules
> public
src
> assets
components
About.jsx
Home.jsx
Login.jsx
Navbar.jsx

App.css
App.jsx
index.css
main.jsx
.eslintrc.cjs
.gitignore
index.html
package-lock.json
package.json
README.md
vite.config.js

OUTLINE
TIMELINE
TASK EXPLORER

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src > components > Navbar.jsx > Navbar

```
1 import React from 'react'
2 import { Link } from 'react-router-dom'
3
4 const Navbar = () => {
5
6   return (
7     <div>
8       <nav>
9         <Link to="/"><li>Home</li></Link>
10        <Link to="/about"><li>About</li></Link>
11        <Link to="/login"><li>Login</li></Link>
12      </nav>
13    </div>
14  )
15}
16
17 export default Navbar
18
```

Ln 14, Col 4 Spaces: 4 UTF-8 CRL

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EXPLORER ... node App.jsx X main.jsx About.jsx Login.jsx Home.jsx Navbar.jsx ▷ ⌂ ...

src > App.jsx > App

```
7
8 function App() {
9   const router = createBrowserRouter([
10     {
11       path: "/",
12       element: <><Navbar /><Home /></>
13     },
14     {
15       path: "/login",
16       element: <><Navbar /><Login /></>
17     },
18     {
19       path: "/about",
20       element: <><Navbar /><About /></>
21     },
22   ])
23   return (
24     <>
25       <RouterProvider router={router} />
26     </>
27   )
28 }
29 ]
30 }
31
32 export default App
33
```

VIDEO 115

- > node_modules
- > public
- src
 - > assets
 - components
 - About.jsx
 - Home.jsx
 - Login.jsx
 - Navbar.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

Ln 25, Col 7 Spaces: 2 UTF-8 L. 24°C Partly sunny Search 17:12 Wed ENG IN



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EXPLORER ... node App.jsx X main.jsx About.jsx Login.jsx Home.jsx Navbar.jsx ⌂ ⌁ ⌄ ⌅ ⌆ ⌇ ⌈ ⌉ ⌋ ⌊ ⌊

VIDEO 1... node
src > App.jsx > App > router > element
7
8 function App() {
9 const router = createBrowserRouter([
10 {
11 path: "/",
12 element: <><Navbar /><Home /></>
13 },
14 {
15 path: "/login",
16 element: <><Navbar /><Login /></>
17 },
18 {
19 path: "/about",
20 element: <><Navbar /><About /></>
21 },
22 {
23 path: "/user/:username",
24 element: <><Navbar /><User /></>
25 },
26])
27 return (
28 <>
29 <RouterProvider router={router} />
30 </>
31)
32 </>
33)
34 }

node modules public src assets components About.jsx Home.jsx Login.jsx Navbar.jsx App.css App.jsx index.css main.jsx .eslintrc.cjs .gitignore index.html package-lock.json package.json README.md vite.config.js

OUTLINE
TIMELINE
TASK EXPLORER

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Ln 24, Col 33 Spaces: 2 UTF-8 L ⌂ ⌁ ⌄ ⌅ ⌆ ⌇ ⌈ ⌉ ⌋ ⌊ ⌊

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EXPLORER ... node App.jsx User.jsx X main.jsx About.jsx Login.jsx Home.jsx ⌂ ⌄ ⌁ ⌃ ⌅ ⌆ ⌇ ⌈ ⌉ ⌊ ⌋

VIDEO 115
> node_modules
> public
> src
> assets
> components
 About.jsx
 Home.jsx
 Login.jsx
 Navbar.jsx
 User.jsx
App.css
App.jsx
index.css
main.jsx
.eslintrc.cjs
.gitignore
index.html
package-lock.json
package.json
README.md
vite.config.js

src > components > User.jsx > User

```
1 import React from 'react'
2 import { useParams } from 'react-router-dom'
3
4 const User = () => {
5   const params = useParams()
6   return (
7     <div>
8       I am user {params.username}
9     </div>
10  )
11 }
12
13 export default User
14
```

Ln 7, Col 10 Spaces: 4 UTF-8 CRL ⌂ ⌄ ⌁ ⌃ ⌅ ⌆ ⌇ ⌈ ⌉ ⌊ ⌋ 24°C Partly sunny Search 17:16 Wed ENG IN



File Edit Selection View Go ... ← → Video 115

EXPLORER ...

VIDEO 115

- > node_modules
- > public
- < src
 - > assets
 - < components
 - About.jsx
 - Home.jsx
 - Login.jsx
 - Navbar.jsx
 - User.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.css User.jsx main.jsx About.jsx Login.jsx Home.jsx Navbar.jsx

```
src > components > Navbar.jsx > ...
1 import React from 'react'
2 import { NavLink } from 'react-router-dom'
3
4 const Navbar = () => {
5
6   return (
7     <div>
8       <nav>
9         <Link className={({e})=>{return e.isActive?"red": "" }} to="/"><li>Home</li></Link>
10        <Link className={({e})=>{return e.isActive?"red": "" }} to="/about"><li>About</li></Link>
11        <Link className={({e})=>{return e.isActive?"red": "" }} to="/login"><li>Login</li></Link>
12      </nav>
13    </div>
14  )
15
16
17 export default Navbar
18
```

Ln 18, Col 1 Spaces: 4 UTF-8 CRL

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17:19 Wed



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EXPLORER ...

VIDEO 115

- > node_modules
- > public
- < src
 - > assets
 - < components
 - About.jsx
 - Home.jsx
 - Login.jsx
 - Navbar.jsx
 - User.jsx
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

index.css User.jsx main.jsx About.jsx Login.jsx Home.jsx Navbar.jsx

```
src > components > Navbar.jsx > [e] Navbar
1 import React from 'react'
2 import { NavLink } from 'react-router-dom'
3
4 const Navbar = () => {
5
6   return (
7     <div>
8       <nav>
9         <NavLink className={({e})=>{return e.isActive?"red": ""}} to="/"><li>Home</li></NavLink>
10        <Nav [e] NavLink (alias) const NavLink: React.ForwardRefExoticComponent... out</li></NavLink>
11        <Nav [e] Navbar
12          </nav> <NavigationPreloadManager
13        </div> <Navigator
14          [e] nav
15          [e] navigator
16          [e] PerformanceNavigationTiming
17        export defau [e] PerformanceNavigation
18      }
```

Shift+N A V

6 selections Spaces: 4 UTF-8 CRL 24°C ENG IN 17:20 Wed

Partly sunny

Search

10 0 △ 0 ⌂ 0

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2/49



A screenshot of a video player interface. The video title is "Video 115". The video thumbnail shows a man with glasses and a beard. The video player has a dark theme. In the foreground, there is a code editor window titled "index.css". The code is as follows:

```
nav {
    display: flex;
    gap: 34px;
    background-color: black;
    color: white;
}

li {
    list-style: none;
    padding: 25px;
}

a li {
    color: white;
}

* {
    padding: 0;
    margin: 0;
}

.red {
    color: red;
    color: white;
}
```

Share

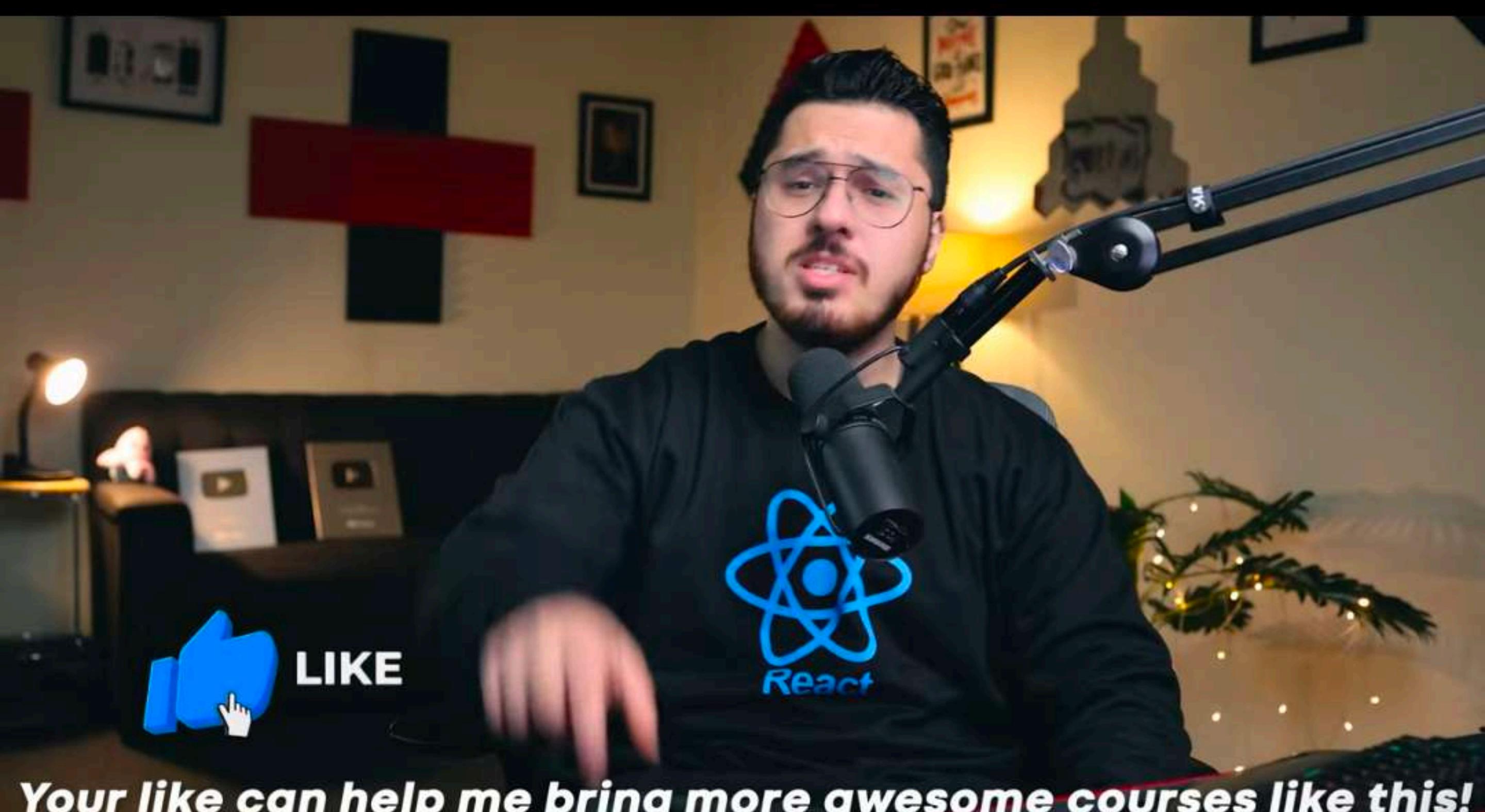
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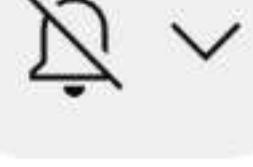
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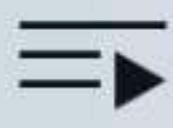
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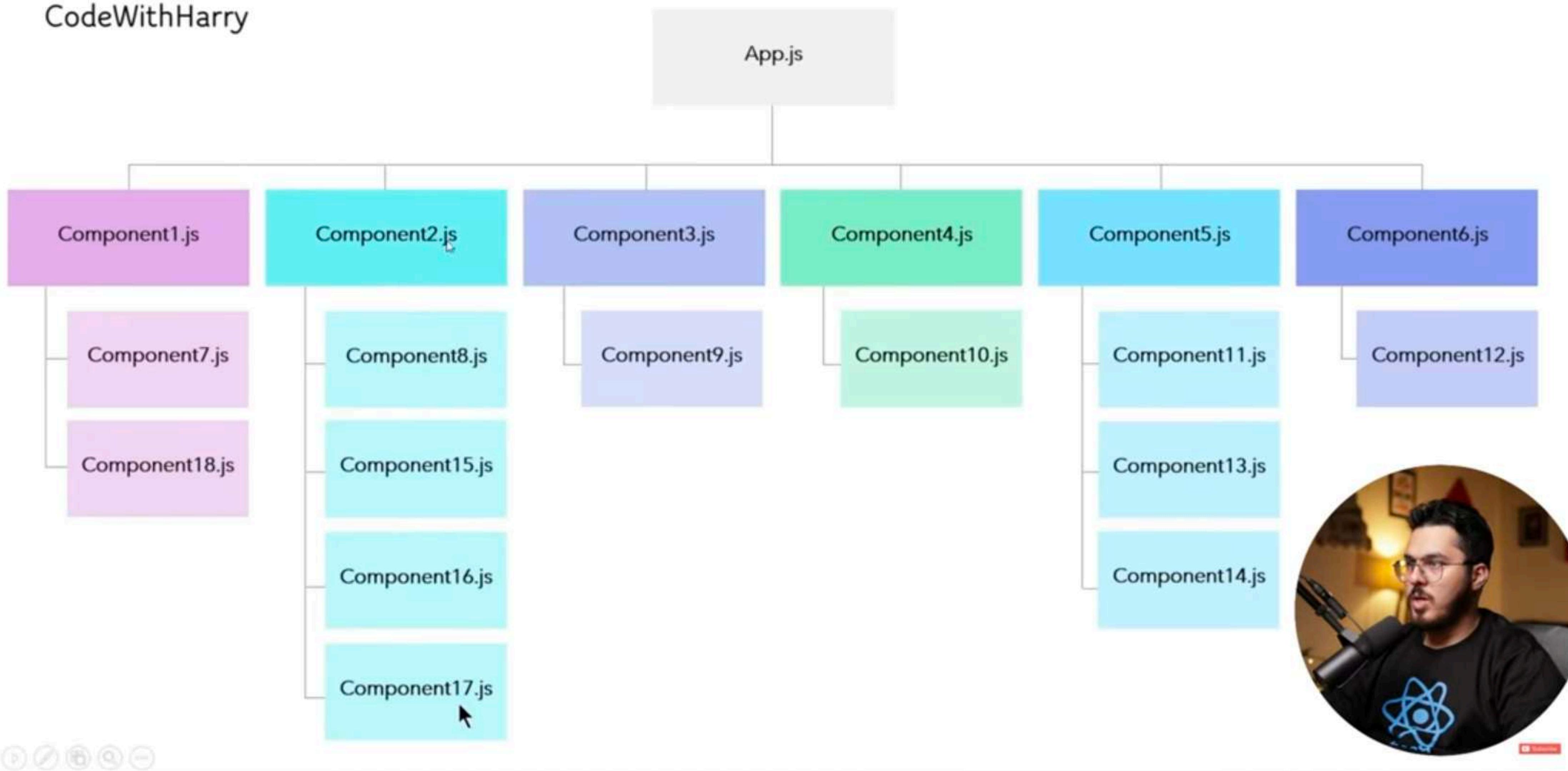


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The Context API

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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
package-lock.json
package.json
README.md
vite.config.js

src > components > Component1.jsx

1 |

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS

VITE v5.1.3 ready in 207 ms

→ Local: http://localhost:5173/
→ Network: use --host to expose
→ press h + enter to show help

Ln 1, Col 1 Spaces: 4 UTF-8 CRL

13°C Haze

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EXPLORER ... Navbar.jsx Button.jsx Component1.jsx X

src > components > Component1.jsx > [e] Component1

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

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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 package-lock.json package.json README.md vite.config.js

NAVBAR.JSX X

src > components > Button.jsx > [] Button

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

OUTLINE

TIMELINE

TASK EXPLORER

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Ln 6, Col 13 Spaces: 4 UTF-8 CRL

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EXPLORER ... Navbar.jsx X Button.jsx Component1.jsx

src > components > Navbar.jsx > [e] Navbar

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

Emmet Abbreviation ↗ main

13°C Haze

Search

13:40 Fri



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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
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

OUTLINE

TIMELINE

TASK EXPLORER

App.jsx X Navbar.jsx Button.jsx Component1.jsx

```
src > App.jsx > ...
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'

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

  return (
    <>
    <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>
      <p>
```

Ln 5, Col 14 Spaces: 2 UTF-8 L ENG IN 01:40 Fri

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EXPLORER ...

VIDEO 116

> node_modules
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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
package-lock.json
package.json
README.md
vite.config.js

OUTLINE
TIMELINE
TASK EXPLORER

App.jsx Navbar.jsx X Button.jsx Component1.jsx

src > components > Navbar.jsx > ...

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

Ln 2, Col 14 Spaces: 4 UTF-8 CRL 13°C Haze Search ENG IN 01:41 Fri



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EXPLORER ... App.jsx Navbar.jsx Button.jsx X Component1.jsx

src > components > Button.jsx > ...

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

13°C Haze

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Ln 2, Col 18 Spaces: 4 UTF-8 CRL

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

VIDE 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

OUTLINE

TIMELINE

TASK EXPLORER

Ln 4, Col 27 Spaces: 4 13°C Haze ENG IN 01:42 Fri

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



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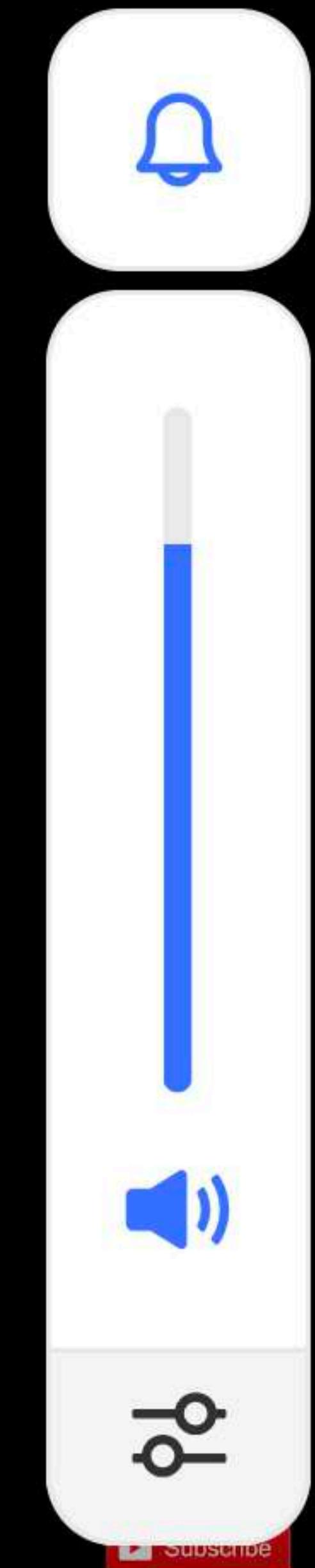
File Edit Selection View Go ... ← → Video 116 □ □ □ 00 - ⌂ ×

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

src > components > Component1.jsx > Component1

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

Ln 6, Col 16 Spaces: 4 UTF-8 CRLK 13°C Haze Search ENG IN 01:42 Fri



File Edit Selection View Go ... ← → Video 116 □ □ □ 00 - o x

EXPLORER ... App.jsx X Navbar.jsx Button.jsx our app.md Component1.jsx ▶ ⌂ ...

src > App.jsx > App

```
6
7 function App() {
8     const [count, setCount] = useState(0)
9
10    return (
11        <>
12            <Navbar count={count}>
13                <div>
14                    <a href="https://vitejs.dev" target="_blank">
15                        <img src={viteLogo} className="logo" alt="Vite logo" />
16                    </a>
17                    <a href="https://react.dev" target="_blank">
18                        <img src={reactLogo} className="logo react" alt="React logo" />
19                    </a>
20                </div>
21            ...
22        </>
23    )
24}
```

13°C Haze

Search

Ln 12, Col 26 Spaces: 2 UTF-8 L ENG IN 01:43 Fri



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EXPLORER ... App.jsx Navbar.jsx X Button.jsx our app.md Component1.jsx ▷ ⌂ ...

VIDEO 116
node_modules
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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

src > components > Navbar.jsx > [e] Navbar

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



Ln 4, Col 17 Spaces: 4 UTF-8 CRL 13°C Haze Search ENG IN 01:43 Fri

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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 X Button.jsx our app.md Component1.jsx

src > components > Navbar.jsx > [e] Navbar > [e] count

```
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
```

Ln 4, Col 17 Spaces: 4 UTF-8 CRL ⌂ ⌂ ⌂ ENG IN 01:43 Fri



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

src > components > Button.jsx > Button > count

```
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></button>
7     </div>
8   )
9 }
10
11 export default Button
12
```

abc count

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Ln 3, Col 23 Spaces: 4 UTF-8 CRL ENG IN 01:44 Fri



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

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 defa...
12
```

count (parameter) count: any

CountQueuingStrategy

EventCounts

CSSCounterStyleRule

customElements

CustomEvent

CustomElementRegistry

Ln 6, Col 12 Spaces: 4 UTF-8 CRL

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EXPLORER ...

VIDEO 1... New folder node_modules public src assets components without_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 vite.config.js

App.jsx X Navbar.jsx Button.jsx Component1.jsx

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
6
7 function App() {
8     const [count, setCount] = useState(0)

10    return (
11        <>
12            <Navbar/>
13            <div>
14                <a href="https://vitejs.dev" target="_blank">
15                    <img src={viteLogo} className="logo" alt="Vite logo" />
16                </a>
17                <a href="https://nextjs.org" target="_blank">
18                    <img src={reactLogo} alt="React logo" />
19                </a>
20            </div>
21        </>
22    )
23}

24
```

C:/Users/jitendra/Downloads/Sigma Web Development Course/Sigma-Web-Dev-Course/Video 116/src/components

Ln 10, Col 11 Spaces: 2 UTF-8 L ENG IN 01:46 Fri



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EXPLORER

VIDEO 1... node_modules public

src assets components 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

App.jsx X Navbar.jsx X Button.jsx Component1.jsx

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

10    return (
11        <>
12            <Navbar/>
13            <div>
14                <a href="https://vitejs.dev" target="_blank">
15                    <img src={viteLogo} className="logo" alt="Vite logo" />
16                </a>
17                <a href="https://react.dev" target="_blank">
18                    <img src={reactLogo} className="logo react" alt="React logo" />
19                </a>
20            </div>
21            <h1>Vite + React</h1>
22            <div className="card">
23                <button onClick={() => setCount((count) => count + 1)}>
24                    count is {count}
25                </button>
26                <p>
27                    Edit <code>src/App.jsx</code> and save to test HMR
28                </p>

```



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EXPLORER ...

VIDEO 1... node_modules public src assets components 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

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

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

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

Ln 3, Col 47 Spaces: 4 UTF-8

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EXPLORER ... App.jsx × Navbar.jsx × JS context.js Button.jsx Component1.jsx ▶ ⌂ ...

src > App.jsx > ...

```
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             <Navbar/>
14             <div>
15                 <a href="https://vitejs.dev" target="_blank">
16                     <img src={viteLogo} className="logo" alt="Vite logo" />
17                 </a>
18                 <a href="https://react.dev" target="_blank">
19                     <img src={reactLogo} className="logo react" alt="React logo" />
```

13°C Haze

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Ln 6, Col 24 Spaces: 2 UTF-8 L ENG IN 01:48 Fri



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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 JS context.js Button.jsx Component1.jsx

src > App.jsx > ...

```
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>
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}
```

Ln 6, Col 1 (50 selected) Spaces: 2 UTF-8 L ENG IN 01:49 Fri

13°C Haze

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

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'

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" targ
17                             <img src={viteLogo} className="vite-logo"
18                         </a>
19                         <a href="https://react.dev" targ
20                             <img src={reactLogo} className="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}

```

const count: number

- [@] count
- [@] counterContext
- [@] CountQueuingStrategy
- [@] setCount
- [@] EventCounts
- [@] CSSCounterStyleRule
- [@] customElements
- [@] CustomEvent
- [@] CustomElementRegistry

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EXPLORER

VIDEO 116

- > node_modules
- > public
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 - > assets
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 - 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

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'

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}
27                     </button>
28                 </div>
29             </counterContext.Provider>
30         </>
31     )
32 }
```

(property) React.ProviderProps<number>.value: number

Ln 13, Col 43 (13 selected) Spaces: 2 UTF-8 L ENG IN 01:49 Fri

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EXPLORER ...

VIDEO 116

- > node_modules
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 - Component1.jsx
 - Navbar.jsx
 - context
 - App.css
 - App.jsx
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 - main.jsx
 - .eslintrc.cjs
 - .gitignore
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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
```

Ln 34, Col 11 (677 selected) Spaces: 2 UTF-8 L. 13°C Haze Search ENG IN 01:49 Fri

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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 > components > Component1.jsx > [e] Component1

```
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

13°C Haze

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EXPLORER ... App.jsx ✎ Navbar.jsx JS context.js Button.jsx Component1.jsx ▶ ...

src > App.jsx > App > setCount

```
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" />
```

Provider(props: React.ProviderProps<number>): React.ReactNode

Ln 13, Col 53 Spaces: 2 UTF-8 L ENG IN 01:51 Fri

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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 > components > Component1.jsx > [o] Component1

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

abc counterContext



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Ln 9, Col 17 Spaces: 2 UTF-8 CRL

ENG IN 01:52 Fri

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EXPLORER ...

VIDEO 116

> node_modules
> public
> src
> assets
components

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

src > components > Button.jsx > [] Button

```
1 import React 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={() => setCount((count) => count + 1)}><span>Component1/</span>I am a button</button>
10    </div>
11  )
12}
13
14 export default Button
15
```

Ln 9, Col 61 Spaces: 2 UTF-8 CRL

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A circular video overlay in the bottom right corner shows a man with glasses and a beard speaking into a microphone.

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EXPLORER ...

VIDEO 116

- > node_modules
- > public
- < src
 - > assets
 - < components
 - Button.jsx
 - Component1.jsx
 - Navbar.jsx
 - < context
 - JS context.js

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

src > components > Button.jsx > [?] Button > [?] value

```
1 import React 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
```

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Ln 6, Col 17 Spaces: 2 UTF-8 CRL ENG IN 01:53 Fri



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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 > components > Button.jsx > ...

```
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 13°C Haze Search ENG IN 01:53 Fri



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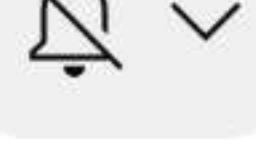
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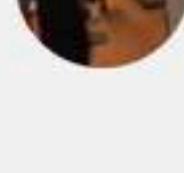


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EXPLORER ...

VIDEO 117

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx X

```
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
6
7 const nums = new Array(30_000_000).fill(0).map(_, i)=>{
8     return {
9         index: i,
10        isMagical: i==>29_000_000
11    }
12 }

13
14
15 function App() {
16     const [count, setCount] = useState(0)
17     const [numbers, setNumbers] = useState(nums)

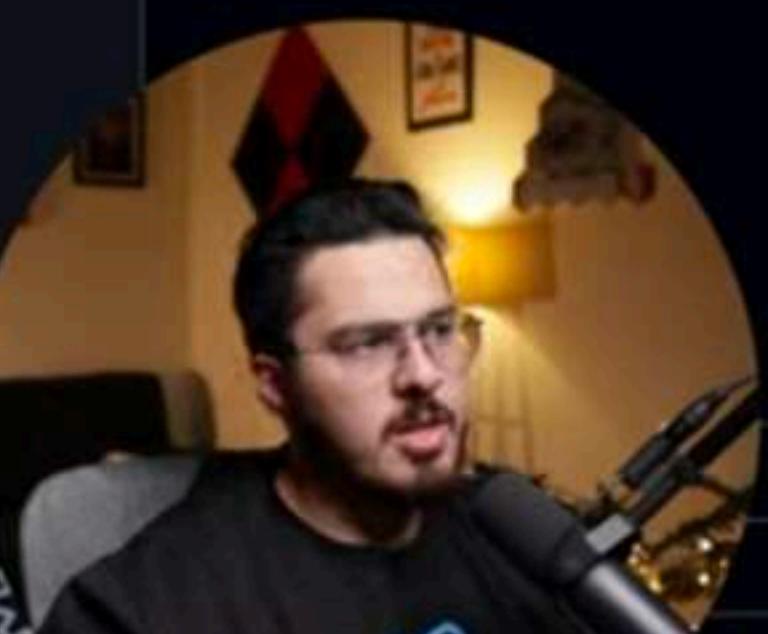
18
19     const magical = numbers.find(item=>item.isMagical==>true)

20
21     return (
22         <>
23         <div>
24             <span>Magical number is {magical.index}</span>
25             <a href="https://vitejs.dev" target="_blank">
26                 <img src={viteLogo} className="logo" alt="Vite logo" />
```

Ln 24, Col 48 (15 selected) Spaces: 2 UTF-8 LF {} JavaScript JSX

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EXPLORER

VIDEO 117

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx

```
src > App.jsx > App
4 import './App.css'
5
6
7 const nums = new Array(30_000_000).fill(0).map(_, i)=>{
8   return {
9     index: i,
10    isMagical: i==29_000_000
11  }
12)
13
14
15 function App() {
16   const [count, setCount] = useState(0)
17   const [numbers, setNumbers] = useState(nums)
18
19   const magical = numbers.find(item=>item.isMagical==true) // Expensive Computation
20
21   return (
22     <>
23       <div>
24         <span>Magical number is {magical.index}</span>
25         <a href="https://vitejs.dev" target="_blank">
26           <img src={viteLogo} className="logo" alt="Vite logo" />
27         </a>
28         <a href="https://react.dev" target="_blank">
29           <img src={reactLogo} className="logo react" alt="React logo" />
```

Ln 19, Col 85 Spaces: 2 UTF-8 LF {} JavaScript JSX

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A screenshot of a Microsoft Visual Studio Code interface showing a React application codebase. The Explorer sidebar on the left lists files and folders, including 'src' which contains 'assets', 'App.css', 'App.jsx', 'index.css', and 'main.jsx'. The 'App.jsx' file is open in the main editor area. The code uses functional components and hooks like useState to manage state. A specific line of code is highlighted: 'const magical = numbers.find(item=>item.isMagical==true) // Expensive Computation'. In the bottom right corner, there's a circular video feed of a man with glasses and a beard, and a 'Subscribe' button.

File Edit Selection View Go ... ← → video 117 □ □ □ □ - □ ×

EXPLORER

VIDEO 117

- > node_modules
- > public
- > src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx

```
src > App.jsx > App > magical
7  const nums = new Array(30_000_000).fill(0).map((_, i)=>{
8    return {
9      index: i,
10     isMagical: i === 29_000_000
11   }
12 })
13
14
15 function App() {
16   const [count, setCount] = useState(0)
17   const [numbers, setNumbers] = useState(nums)
18
19 // const magical = numbers.find(item=>item.isMagical===true) // Expensive Computation
20 const magical = useMemo(() => numbers.find(item=>item.isMagical===true), [])
21
22   return (
23     <>
24       <div>
25         <span>Magical number is {magical.index}</span>
26         <a href="https://vitejs.dev" target="_blank">
27           <img src={viteLogo} className="logo" alt="Vite logo" />
28         </a>
29         <a href="https://react.dev" target="_blank">
30           <img src={reactLogo} className="logo react" alt="React logo" />
31         </a>
32       </div>
33       <h1>Vite + React</h1>
34       <div className="card">
35         <button onClick={() => setCount((count) => count + 1)}>
36           count is {count}
37         </button>
38         <p>
39           Edit <code>src/App.jsx</code> and save to test HMR
40         </p>
41       </div>

```

Ln 20, Col 77 Spaces: 2 UTF-8 LF {} JavaScript JSX

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A screenshot of a Microsoft Visual Studio Code interface showing a React application. The Explorer sidebar on the left lists files and folders, including 'src' which contains 'assets', 'App.css', and 'App.jsx'. The 'App.jsx' file is currently open in the main editor area. The code uses functional components and hooks like useState and useMemo. It also includes JSX for rendering a div with a span and two external links (Vite and React logos). A circular video overlay in the bottom-left corner shows a man with glasses speaking. The status bar at the bottom provides information about the current line and column (Ln 20, Col 77), file encoding (UTF-8), and the selected language mode (JavaScript JSX).

File Edit Selection View Go ... ← → 🔍 video 117

EXPLORER

VIDEO 117

- > node_modules
- > public
- src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js

App.jsx

```
src > App.jsx > ...
1 import { useState, useMemo } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'
5
6
7 const nums = new Array(30_000_000).fill(0).map((_, i) => {
8   return {
9     index: i,
10    isMagical: i === 29_000_000
11  }
12})
13
14
15 function App() {
16   const [count, setCount] = useState(0)
17   const [numbers, setNumbers] = useState(nums)
18
19 // const magical = numbers.find(item=>item.isMagical===true) // Expensive Computation
20 const magical = useMemo(() => numbers.find(item=>item.isMagical===true), [])
21
22   return (
23     <>
24       <div>
25         <span>Magical number is {magical.index}</span>
26         <a href="https://vitejs.dev" target="_blank">
27           <img src={viteLogo} className="logo" alt="Vite logo" />
28         </a>
29         <a href="https://react.dev" target="_blank">
30           <img src={reactLogo} className="logo react" alt="React logo" />
31         </a>
32       </div>
33       <h1>Vite + React</h1>
34       <div className="card">
35         <button onClick={() => setCount((count) => count + 1)}>
```

Ln 1, Col 27 Spaces: 2 UTF-8 LF {} JavaScript JSX

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EXPLORER ...

VIDEO 117

- > node_modules
- > public
- > src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
- .eslintrc.cjs
- .gitignore
- index.html
- package-lock.json
- package.json
- README.md
- vite.config.js



App.jsx X

```
src > App.jsx > App > magical
1 import { useState, useMemo } from 'react'
2 import reactLogo from './assets/react.svg'
3 import viteLogo from '/vite.svg'
4 import './App.css'

5
6
7 const nums = new Array(30_000_000).fill(0).map(_, i) =>{
8   return {
9     index: i,
10    isMagical: i === 29_000_000
11  }
12}

13
14
15 function App() {
16   const [count, setCount] = useState(0)
17   const [numbers, setNumbers] = useState(nums)

18 // const magical = numbers.find(item=>item.isMagical===true) // Expensive Computation
19 const magical = useMemo(() => numbers.find(item=>item.isMagical===true), [numbers])
20
21
22 return (
23   <>
24     <div>
25       <span>Magical number is {magical.index}</span>
26       <a href="https://vitejs.dev" target="_blank">
27         <img src={viteLogo} className="logo" alt="Vite logo" />
28       </a>
29       <a href="https://react.dev" target="_blank">
30         <img src={reactLogo} className="logo react" alt="React logo" />
31       </a>
32     </div>
33     <h1>Vite + React</h1>
34     <div className="card">
35       <button onClick={() => setCount((count) => count + 1)}>
```

Ln 26, Col 29 (84 selected) Spaces: 2 UTF-8 LF {} JavaScript JSX

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EXPLORER

VIDEO 117

- > node_modules
- > public
- > src
 - > assets
 - App.css
 - App.jsx
 - index.css
 - main.jsx
 - .eslintrc.cjs
 - .gitignore
 - index.html
 - package-lock.json
 - package.json
 - README.md
 - vite.config.js

App.jsx

```
src > App.jsx > App > <function> > map() callback > isMagical
18 // const magical = numbers.find(item=>item.isMagical===true) // Expensive Computation
19 const magical = useMemo(() => numbers.find(item=>item.isMagical===true), [numbers])
20
21 return (
22   <>
23   <div>
24     <span>Magical number is {magical.index}</span>
25     <a href="https://vitejs.dev" target="_blank">
26       <img src={viteLogo} className="logo" alt="Vite logo" />
27     </a>
28     <a href="https://react.dev" target="_blank">
29       <img src={reactLogo} className="logo react" alt="React logo" />
30     </a>
31   </div>
32   <h1>Vite + React</h1>
33   <div className="card">
34     <button onClick={() => {
35       setCount((count) => count + 1);
36       if(count == 10){
37         setNumbers(new Array(10_000_000).fill(0).map((_, i)=>{
38           return [
39             index: i,
40             isMagical: i==9_000_000
41           ]
42         })
43       }
44     }}
45   >
46     count is {count}
47   </button>
48   <p>
49     Edit <code>src/App.jsx</code> and save to test HMR
50   </p>
51   </div>
```

Ln 41, Col 32 Spaces: 2 UTF-8 LF {} JavaScript JSX

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A screenshot of a Microsoft Visual Studio Code interface showing a React application code editor. The left sidebar displays a file tree with files like App.jsx, index.css, and package.json. The main editor area shows the content of App.jsx, which includes a functional component that uses the useMemo hook to cache the result of a find operation on an array named 'numbers'. The component then maps over this array to render a list item for each item. A button is present to increment a counter and update the array. The status bar at the bottom indicates the current line (Ln 41, Col 32), character encoding (UTF-8), line separator (LF), language (JavaScript JSX), and a small notification icon. A video overlay of a man speaking is visible in the bottom-left corner.