



Real-Time Chat App:

Priyanshu

Type a message

Send

Piyush Nanda: Hi

Priyanshu: Hlo

Piyush Nanda: I want to know that how to do Full Stack
7 experiment

Priyanshu: Ohh ! Sorry i can't help you ,You have to do
it yourself

Piyush Nanda: Ok Ok

Priyanshu: Hmm



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Experiment_7.12

backend

package.json

server.js

frontend

node_modules

public

index.html

src

app

components

Cart.js

ProductCard.js

ProductList.js

features\cart

cartSlice.js

App.js

index.css

index.js

package-lock.json

package.json

Experiment-3

Experiment-4

Experiment-5

Experiment-6

OUTLINE

TIMELINE

```
7
8 h1, h2 {
9   font-weight: bold;
10 }
11
12 button {
13   cursor: pointer;
14 }
15
```

PROBLEMS 1

OUTPUT

DEBUG CONSOLE

TERMINAL

PORTS

PS C:\Users\piyus\check\Experiment_7.12\frontend> npm start

You can now view **frontend** in the browser.

Local: http://localhost:3000

On Your Network: http://10.116.173.217:3000

Note that the development build is not optimized.
To create a production build, use `npm run build`.

webpack compiled **successfully**

My Shop

Products

Laptop

\$1200

Add to Cart

Mouse

\$25

Add to Cart

Keyboard

\$45

Add to Cart

Shopping Cart

Keyboard (\$45) [Remove](#)

My Shop

Products

Laptop

\$1200

Add to Cart

Mouse

\$25

Add to Cart

Keyboard

\$45

Add to Cart

Shopping Cart

Laptop (\$1200)

Keyboard (\$45)

My Shop

Products

Laptop

\$1200

Add to Cart

Mouse

\$25

Add to Cart

Keyboard

\$45

Add to Cart

Shopping Cart

Your cart is empty

Product List

Laptop

Price: \$1200

Buy Now

Mouse

Price: \$25

Buy Now

Keyboard

Price: \$45

Buy Now

The image shows a VS Code editor with a file explorer on the left, a code editor in the center, and a terminal at the bottom.

File Explorer:

- Experiment_7.11
 - backend
 - package.json
 - server.js
 - frontend
 - node_modules
 - public
 - index.html
 - src
 - components
 - ProductList.css
 - ProductList.jsx
- Experiment-3
 - index.html
 - script.js
 - style.css
- Experiment-4
- Experiment-5
- Experiment-6
- experiment7
- Experimentv 1

Code Editor:

```
Experiment_7.11 > frontend > src > components > ProductList.jsx > ProductList > useEffect() callback
1 // frontend/src/components/ProductList.jsx
2 import React, { useEffect, useState } from "react";
3 import axios from "axios";
4 import "../ProductList.css";
5
6 const ProductList = () => {
7   const [products, setProducts] = useState([]);
8   const [loading, setLoading] = useState(true);
9   const [error, setError] = useState("");
10
11   useEffect(() => {
12     axios
13       .get("http://localhost:5000/api/products")
14       .then((response) => {
15         setProducts(response.data);
16         setLoading(false);
17       })
18       .catch(() => {
19         setError("Failed to fetch products.");
20         setLoading(false);
21       });
22   }, []);
23 }
```

Terminal:

```
PS C:\Users\piyus\check\Experiment_7.11\backend> npm init -y
"test": "echo \"Error: no test specified\" && exit 1"
},
"keywords": [],
"author": "",
"license": "ISC"
}

PS C:\Users\piyus\check\Experiment_7.11\backend> node server.js
Server running on http://localhost:5000
```


EXPLORER

✓ CHECK

Experiment_3.2

Experiment_3.3

Experiment_5.1

Experiment_6.1

Experiment_7.11

backend

package.json

server.js

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Experiment-4

Experiment-5

Experiment-6

experiment7

Experimentv 1

OUTLINE

TIMELINE

U

App.jsx Experiment_7.11\... U

JS index.js ...frontend\... 1, U

package.json ...frontend U

Experiment_7.11 > frontend > src > components > ProductList.jsx > ...

1

// frontend/src/components/ProductList.jsx

2

import React, { useEffect, useState } from "react";

3

import axios from "axios";

4

import "../ProductList.css";

5

6

const ProductList = () => {

7

const [products, setProducts] = useState([]);

8

const [loading, setLoading] = useState(true);

9

const [error, setError] = useState("");

10

11

useEffect(() => {

12

axios

13

.get("http://localhost:5000/api/products")

14

.then((response) => {

15

setProducts(response.data);

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setLoading(false);

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})

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.catch(() => {

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setError("Failed to fetch products.");

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main* 61 11 1 0