

# W15-P1: Setup AppProvider\_xx for App\_xx and get state data

```
src > JS index.js M X JS Reducer_xx.js U JS App_xx.js M JS Context_xx.js U
1 import React from 'react';
2 import ReactDOM from 'react-dom/client';
3 import './index.scss';
4 import App_xx from './App_xx';
5
6 import { AppProvider_xx } from './Context_xx';
7
8 const root = ReactDOM.createRoot(document.getElementById('root'));
9 root.render(
10   <React.StrictMode>
11     <AppProvider_xx>
12       <App_xx />
13     </AppProvider_xx>
14   </React.StrictMode>
15 );
16
```

```
src > JS Context_xx.js U X
1 import React, { useState, useContext, useReducer, useEffect }
2   from 'react';
3 import Reducer_xx from './Reducer_xx';
4
5 import cartItems from './data'
6 import { children } from 'react';
7
8 const AppContext_xx = React.createContext();
9
10 const initialState = {
11   loading: false,
12   cart: cartItems,
13   amount: 0,
14   total: 0
15 }
16
17 const AppProvider_xx = ({children}) => {
18   const [state, dispatch] = useReducer(Reducer_xx, initialState);
19   return <AppContext_xx.Provider value = {{...state}}>
20     {children}
21   </AppContext_xx.Provider>
22 }
23
24 const useGlobalContext_xx = () => {
25   return useContext(AppContext_xx);
26 }
27
28 export { AppProvider_xx , useGlobalContext_xx};
```

Line 11:20: 'cart' is assigned a value but never used  
no-unused-vars  
Line 21:7: Imported JSX component NavBar\_xx must be in PascalCase or SCREAMING\_SNAKE\_CASE  
react/jsx-pascal-case  
Line 22:7: Imported JSX component CartContainer\_xx must

```
src > JS App_xx.js M X
1 import React from 'react';
2
3 import { useGlobalContext_xx } from './Context_xx';
4
5 // components
6 import NavBar_xx from './components/NavBar_xx';
7 import CartContainer_xx from './components/CartContainer_xx';
8 // items
9
10 const App_xx = () => {
11   const { loading, cart } = useGlobalContext_xx();
12   // if (loading) {
13   //   return (
14   //     <div className='loading'>
15   //       <h1>Loading...</h1>
16   //     </div>
17   //   );
18   // }
19   return (
20     <main>
21       <NavBar_xx />
22       <CartContainer_xx />
23     </main>
24   );
25 }
26
27 export default App_xx;
```

Line 11:20: 'cart' is assigned a value but never used  
no-unused-vars  
Line 21:7: Imported JSX component NavBar\_xx must be in PascalCase or SCREAMING\_SNAKE\_CASE  
react/jsx-pascal-case  
Line 22:7: Imported JSX component CartContainer\_xx must

YOUR BAG

	Samsung Galaxy S8	\$399.99	remove
	Google Pixel	\$499.99	remove
	Xiaomi Redmi Note 2	\$699.99	remove
	Samsung Galaxy S7	\$599.99	remove

App\_xx

props

new entry: ""

hooks

GlobalContext\_xx:

Context: {amount: 0, cart: Array(4), loading: false}

cart: [{}, {}, {}, {}]

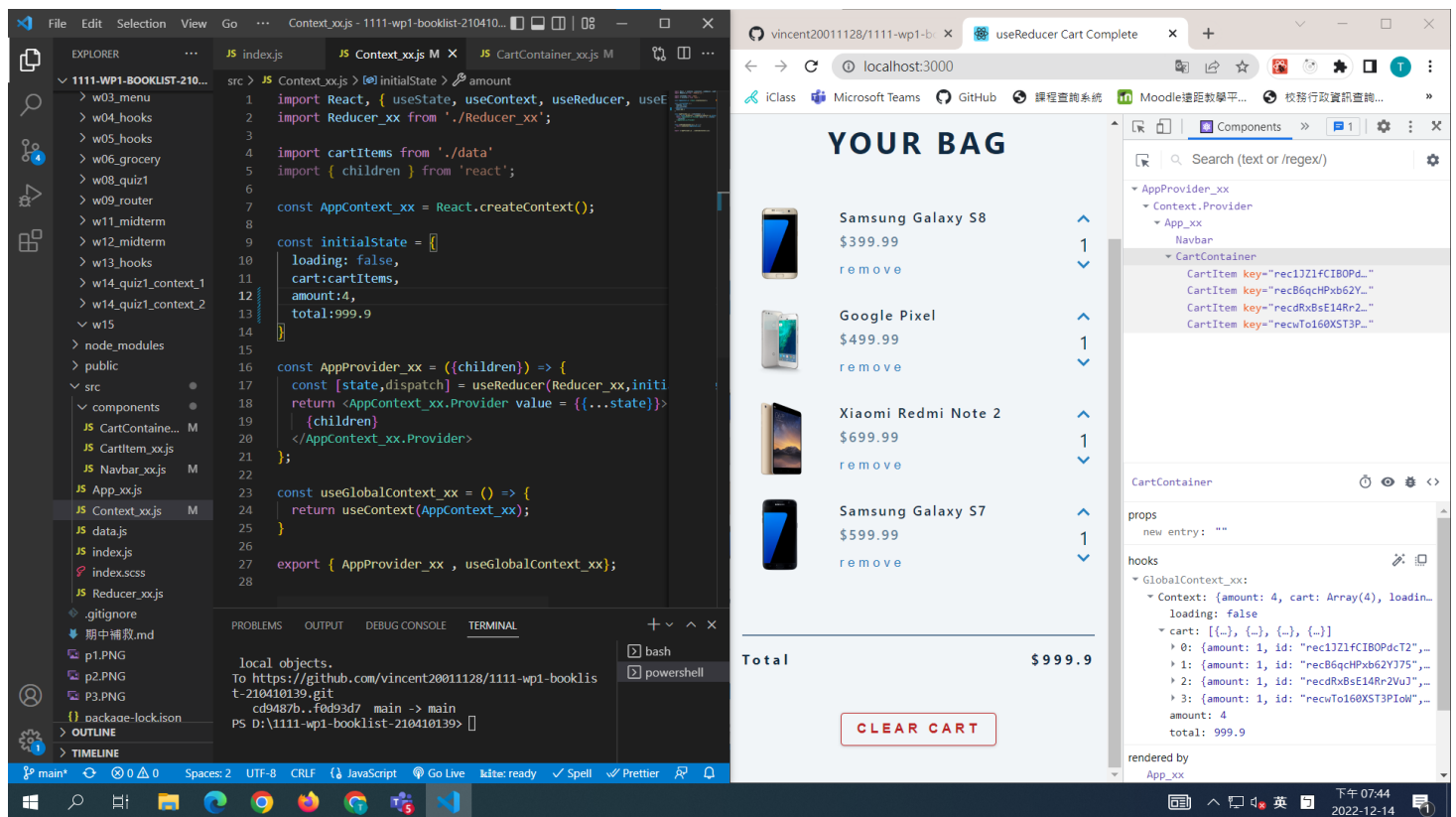
0: {amount: 1, id: "rec1J21fCIB0Pd...", CartItem key="recB6qcHPxb62Y...", amount: 1, id: "recdRxBsE14Rr2...", amount: 0, total: 0}

1: {amount: 1, id: "recB6qcHPxb62Y375...", amount: 1, id: "recdRxBsE14Rr2VUj...", amount: 0, total: 0}

2: {amount: 1, id: "recdRxBsE14Rr2VUj...", amount: 1, id: "recwTo160XST3P1o...", amount: 0, total: 0}

3: {amount: 1, id: "recwTo160XST3P1o...", amount: 1, id: "recwTo160XST3P1o...", amount: 0, total: 0}





## W15-P2: replace data in CartContainer using global context



The screenshot displays a development environment with a React application. The left pane shows the file explorer and code editor. The right pane shows the browser preview of the 'YOUR BAG' page. The components panel on the right shows the state of the CartContainer component.

```
src > JS Context_xx.js > [0] initialState > amount
1 import React, { useState, useContext, useReducer, useE
2 import Reducer_xx from './Reducer_xx';
3
4 import cartItems from './data'
5 import { children } from 'react';
6
7 const AppContext_xx = React.createContext();
8
9 const initialState = {
10   loading: false,
11   cart: cartItems,
12   amount: 4,
13   total: 999.9
14 }
15
16 const AppProvider_xx = ({children}) => {
17   const [state, dispatch] = useReducer(Reducer_xx, initi
18   return <AppContext_xx.Provider value={{...state}}>
19     {children}
20   </AppContext_xx.Provider>
21 };
22
23 const useGlobalContext_xx = () => {
24   return useContext(AppContext_xx);
25 }
26
27 export { AppProvider_xx, useGlobalContext_xx};
28
```

YOUR BAG

	Samsung Galaxy S8	\$399.99	1
	Google Pixel	\$499.99	1
	Xiaomi Redmi Note 2	\$699.99	1
	Samsung Galaxy S7	\$599.99	1

Total \$999.9

CLEAR CART

Components

- AppProvider\_xx
- Context.Provider
- App\_xx
- Navbar
- CartContainer
  - CartItem key="rec1J21fCIBOPd..."
  - CartItem key="recB6qCHPxb62Y..."
  - CartItem key="recdRxsE14Rr2..."
  - CartItem key="recwTol60XST3P..."

CartContainer

props

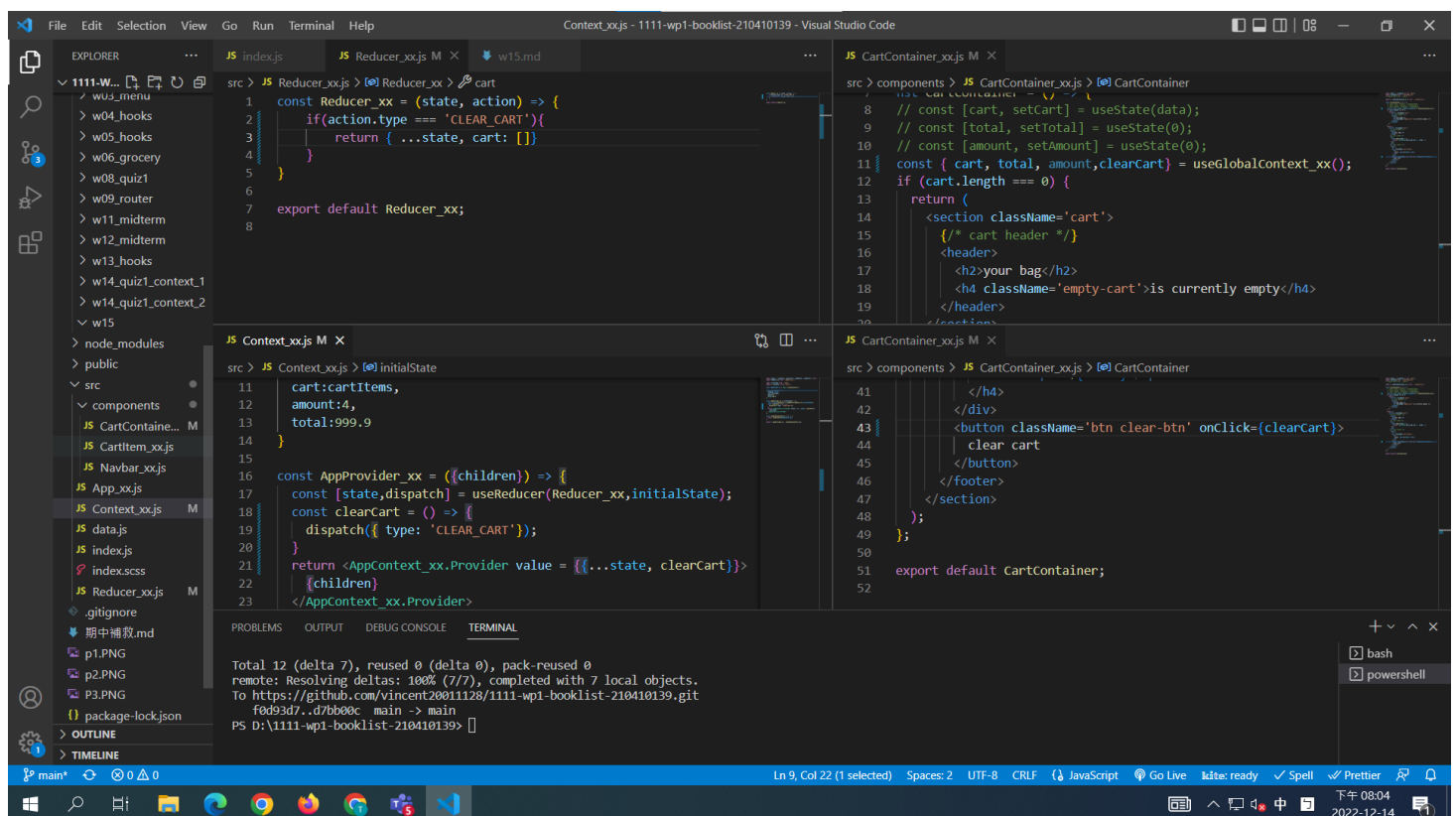
new entry: ""

hooks

- GlobalContext\_xx:
  - Context: {amount: 4, cart: Array(4), loading: false}
  - cart: [{}, {}, {}, {}]
  - 0: {amount: 1, id: "rec1J21fCIBOPdCt2", ...}
  - 1: {amount: 1, id: "recB6qCHPxb62Y375", ...}
  - 2: {amount: 1, id: "recdRxsE14Rr2Vu3", ...}
  - 3: {amount: 1, id: "recwTol60XST3PIo", ...}
  - amount: 4
  - total: 999.9

rendered by App\_xx

## W15-P3: put clear cart function in global context



The screenshot displays a development environment with a React application. The left pane shows the code for the Reducer\_xx and Context\_xx files. The right pane shows the code for the CartContainer component, which now includes a clearCart function and a button to clear the cart.

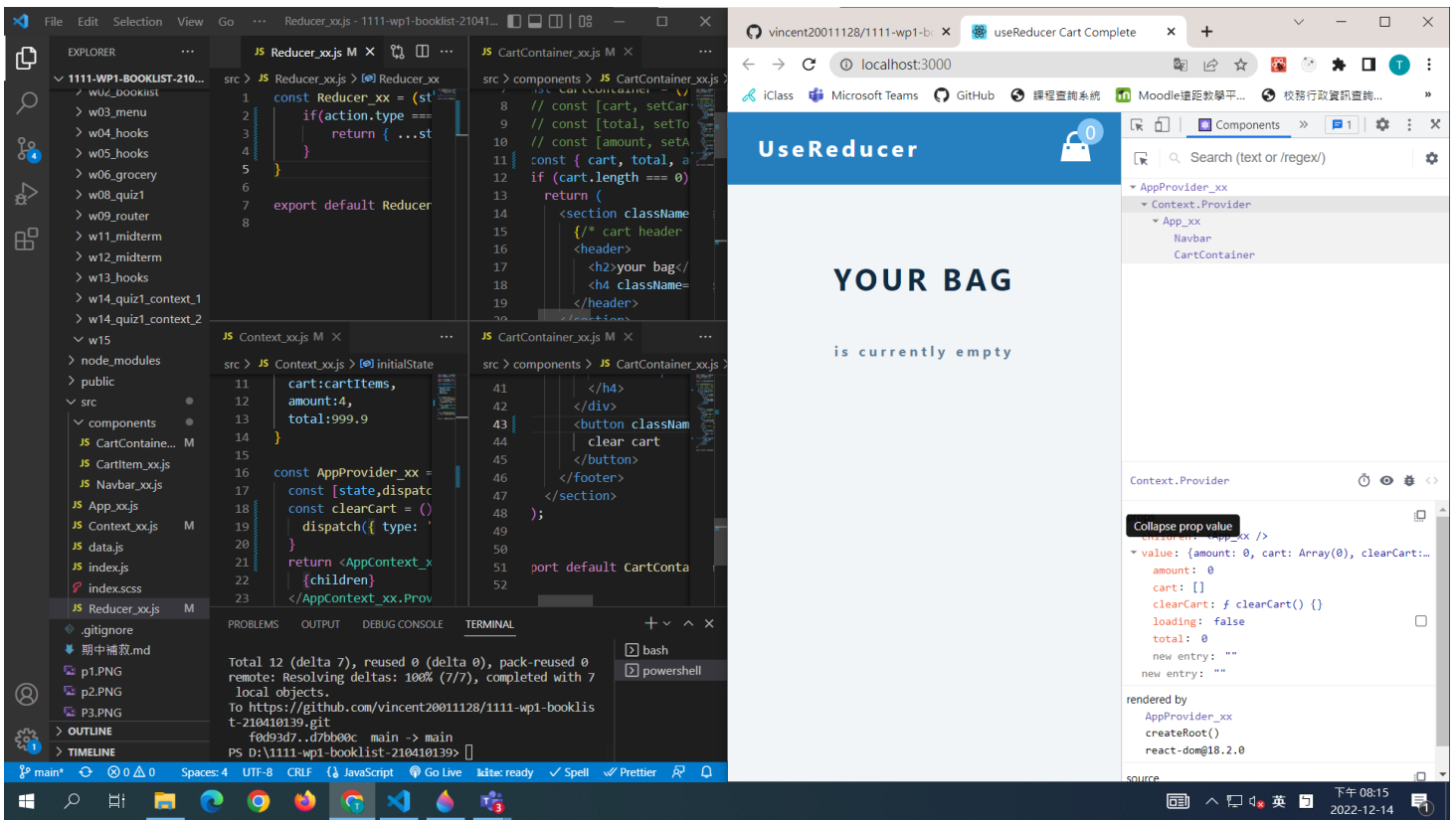
```
src > JS Reducer_xx.js > [0] Reducer_xx > cart
1 const Reducer_xx = (state, action) => {
2   if(action.type === 'CLEAR_CART'){
3     return { ...state, cart: [] }
4   }
5 }
6
7 export default Reducer_xx;
8
```

```
src > JS Context_xx.js > [0] initialState
11 cart: cartItems,
12 amount: 4,
13 total: 999.9
14 }
15
16 const AppProvider_xx = ({children}) => {
17   const [state, dispatch] = useReducer(Reducer_xx, initialState);
18   const clearCart = () => {
19     dispatch({ type: 'CLEAR_CART' });
20   }
21   return <AppContext_xx.Provider value={{...state, clearCart}}>
22     {children}
23   </AppContext_xx.Provider>
24
```

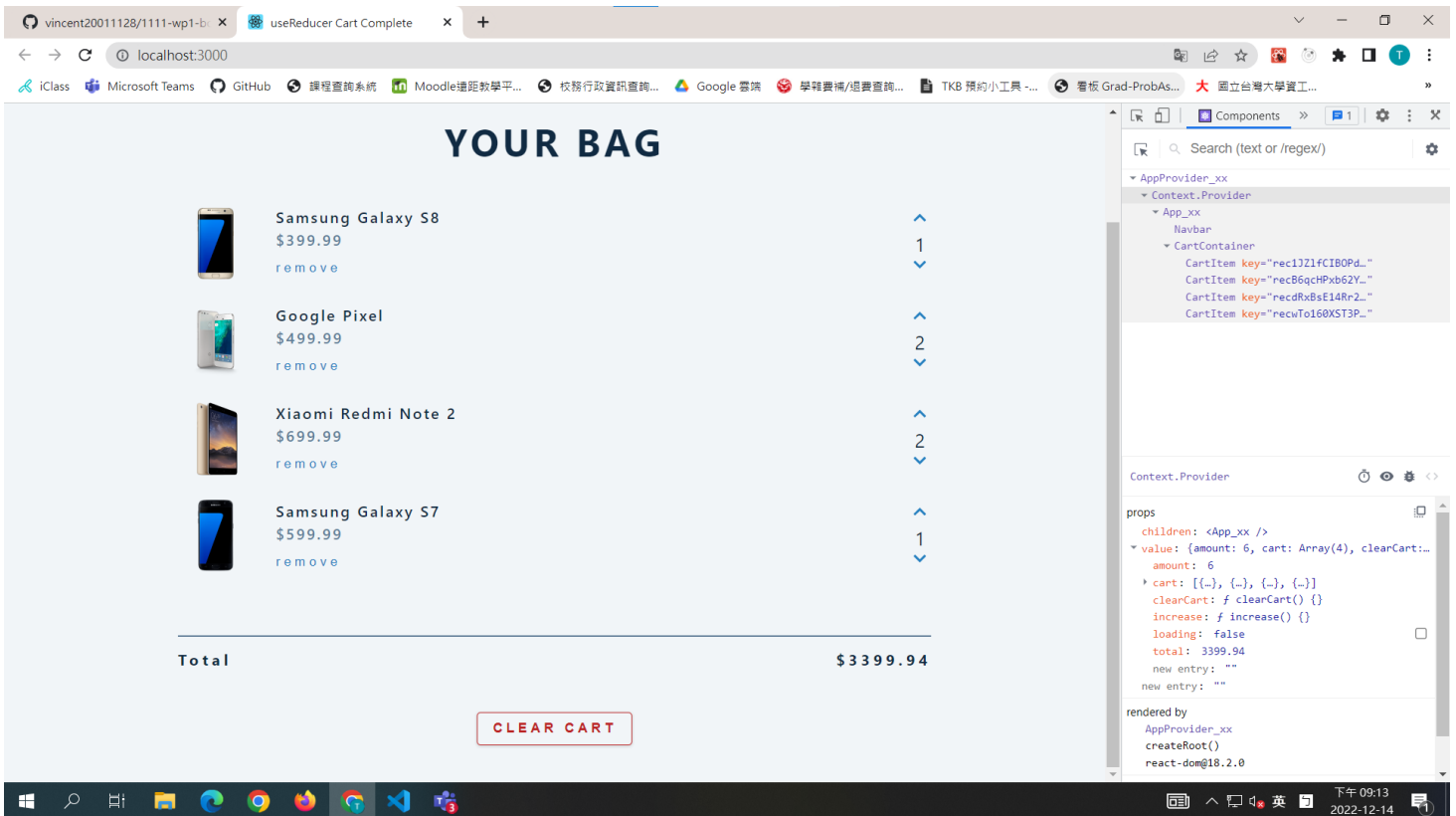
```
src > components > JS CartContainer_xx.js > [0] CartContainer
8 // const [cart, setCart] = useState(data);
9 // const [total, setTotal] = useState(0);
10 // const [amount, setAmount] = useState(0);
11 const [cart, total, amount, clearCart] = useGlobalContext_xx();
12 if (cart.length === 0) {
13   return (
14     <section className='cart'>
15       <h4>your bag</h4>
16       <h4 className='empty-cart'>is currently empty</h4>
17     </section>
18   );
19 }
20
21 export default CartContainer;
```

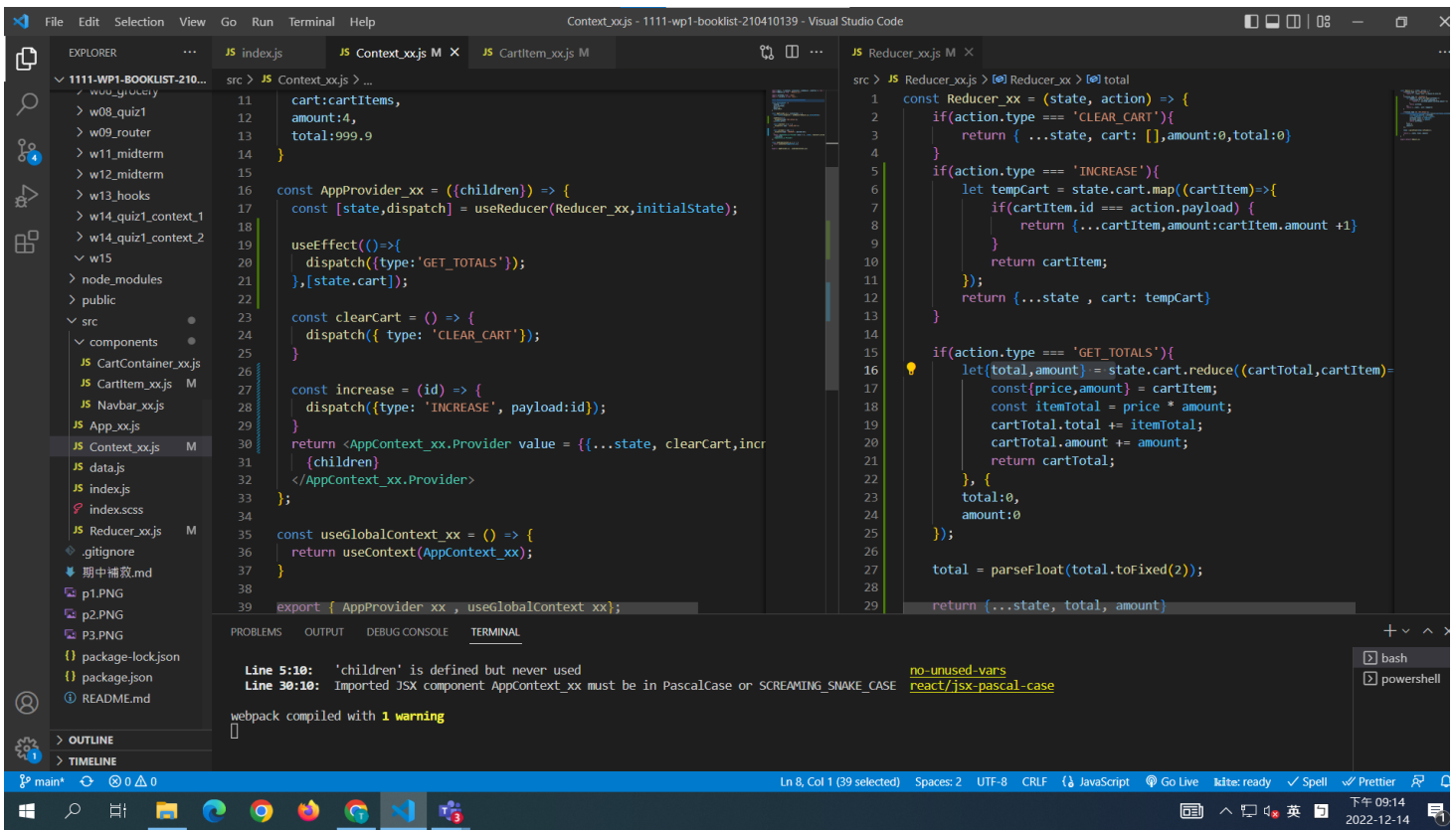
Terminal

Total 12 (delta 7), reused 0 (delta 0), pack-reused 0  
remote: Resolving deltas: 100% (7/7), completed with 7 local objects.  
To https://github.com/Vincent20011128/1111-wp1-booklist-210410139.git  
f0d93d7..d7bb00c main -> main  
PS D:\1111-wp1-booklist-210410139>



## W15-P4: provide increase and get total function in global context





# git log

```
a50631c vincent20011128 Wed Dec 14 21:16:50 2022 +0800 W15-P4: provide increase and get total function in global context
5d53597 vincent20011128 Wed Dec 14 20:17:48 2022 +0800 W15-P3: put clear cart function in global context
d7bb00c vincent20011128 Wed Dec 14 19:48:28 2022 +0800 W15-P2: replace data in CartContainer using global context
f0d93d7 vincent20011128 Wed Dec 14 19:26:22 2022 +0800 W15-P1: Setup AppProvider_xx for App_xx and get state data
PS D:\1111-wp1-booklist-210410139>
```