

W16-P1: fetch cart data from url (API)

The screenshot displays a web application titled "YOUR BAG" with a list of items in a shopping cart. The items are:

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

Each item has a "remove" button. The application is running on localhost:3001. The background shows the code in VS Code and the Chrome DevTools console.

Code Snippets:

```
const fetchData = async () => {
  dispatch({ type: 'LOADING' });
  const response = await fetch(url);
  const cart = await response.json();
  console.log('cart', cart);
  dispatch({ type: 'DISPLAY_ITEMS', payload: cart });
}

useEffect(() => {
  fetchData();
}, []);
```

```
if (action.type === 'GET_TOTALS') { ... }
if (action.type === 'LOADING') {
  return { ...state, loading: true }
}
if (action.type === 'DISPLAY_ITEMS') {
  return { ...state, cart: action.payload, loading: false }
}
```

DevTools Console:

```
Array(4)
  0: {id: 'rec1J2lfcIB0PdCT2', title: 'Samsu...'}
  1: {id: 'recB6qcHPxb62YJ75', title: 'googl...'}
  2: {id: 'recdRxBSrE14Rr2VuJ', title: 'Xiaom...'}
  3: {id: 'recwTo160XST3PIoW', title: 'Samsu...'}
  length: 4
  __proto__: Array(0)
```

W16-P2: remove cart item

The screenshot shows the code for removing a cart item. The code is organized into three files: `Reducer_34.js`, `Context_34.js`, and `CartItem_34.js`.

Reducer_34.js:

```
const Reducer_34 = (state, action) => {
  if (action.type === 'CLEAR_CART') {
    return { ...state, cart: [], amount: 0, total: 0 };
  }
  if (action.type === 'INCREASE') { ... }
  if (action.type === 'DECREASE') { ... }
  if (action.type === 'GET_TOTALS') { ... }
  if (action.type === 'LOADING') {
    return { ...state, loading: true }
  }
  if (action.type === 'DISPLAY_ITEMS') {
    return { ...state, cart: action.payload, loading: false }
  }
  if (action.type === 'REMOVE') {
    const filteredCart = state.cart.filter((item) => item.id !== action.payload);
    return { ...state, cart: filteredCart };
  }
}
```

Context_34.js:

```
const clearCart = () => { ... }
const increase = (id) => { ... }
const decrease = (id) => { ... }
const remove = (id) => {
  dispatch({ type: 'REMOVE', payload: id });
}

const fetchData = async () => { ... }

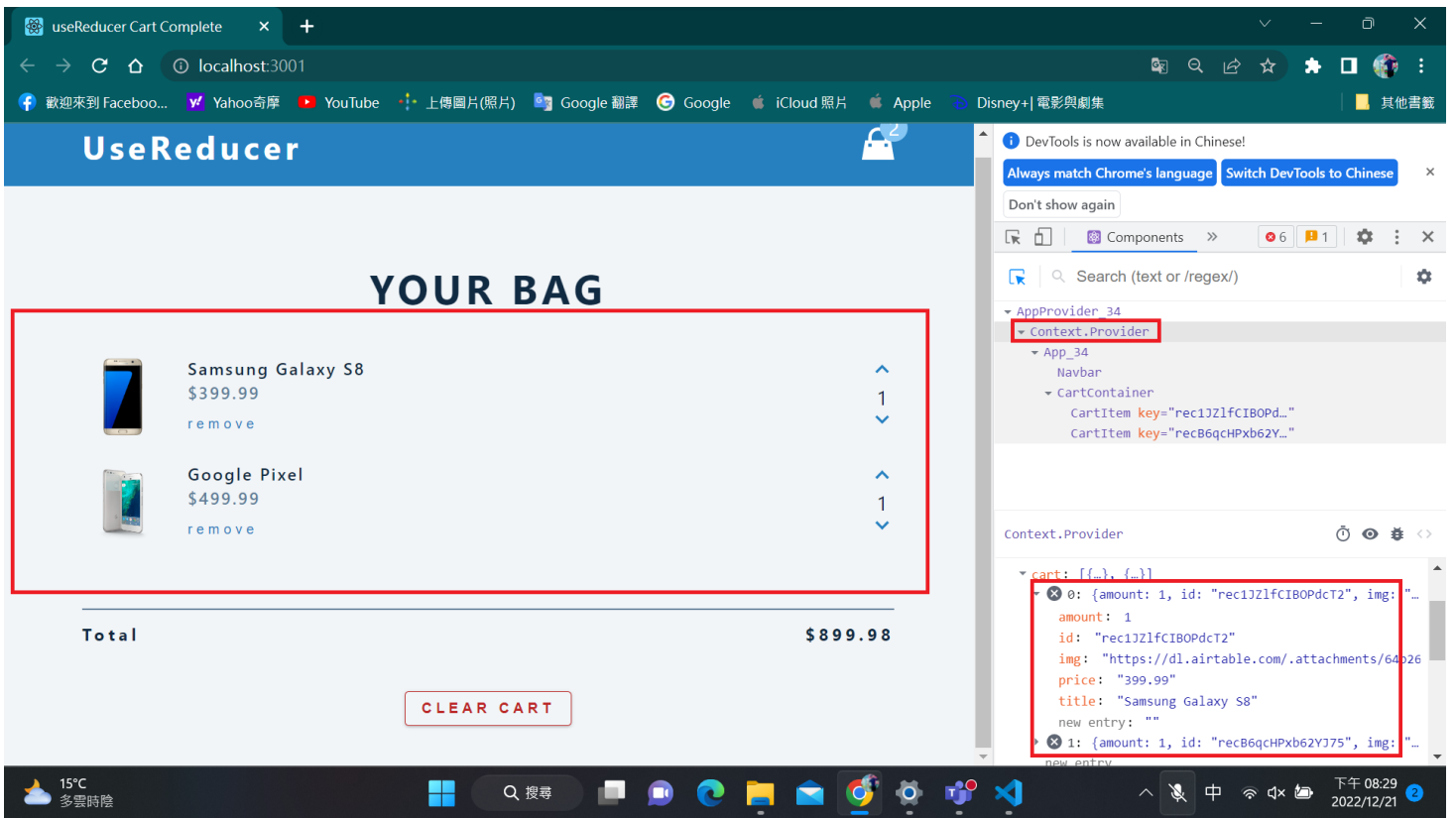
useEffect(() => {
  fetchData();
}, []);

return (
  <AppContext_34.Provider value={{ ...state, clearCart, increase, remove }}>
    {children}
  </AppContext_34.Provider>
);
```

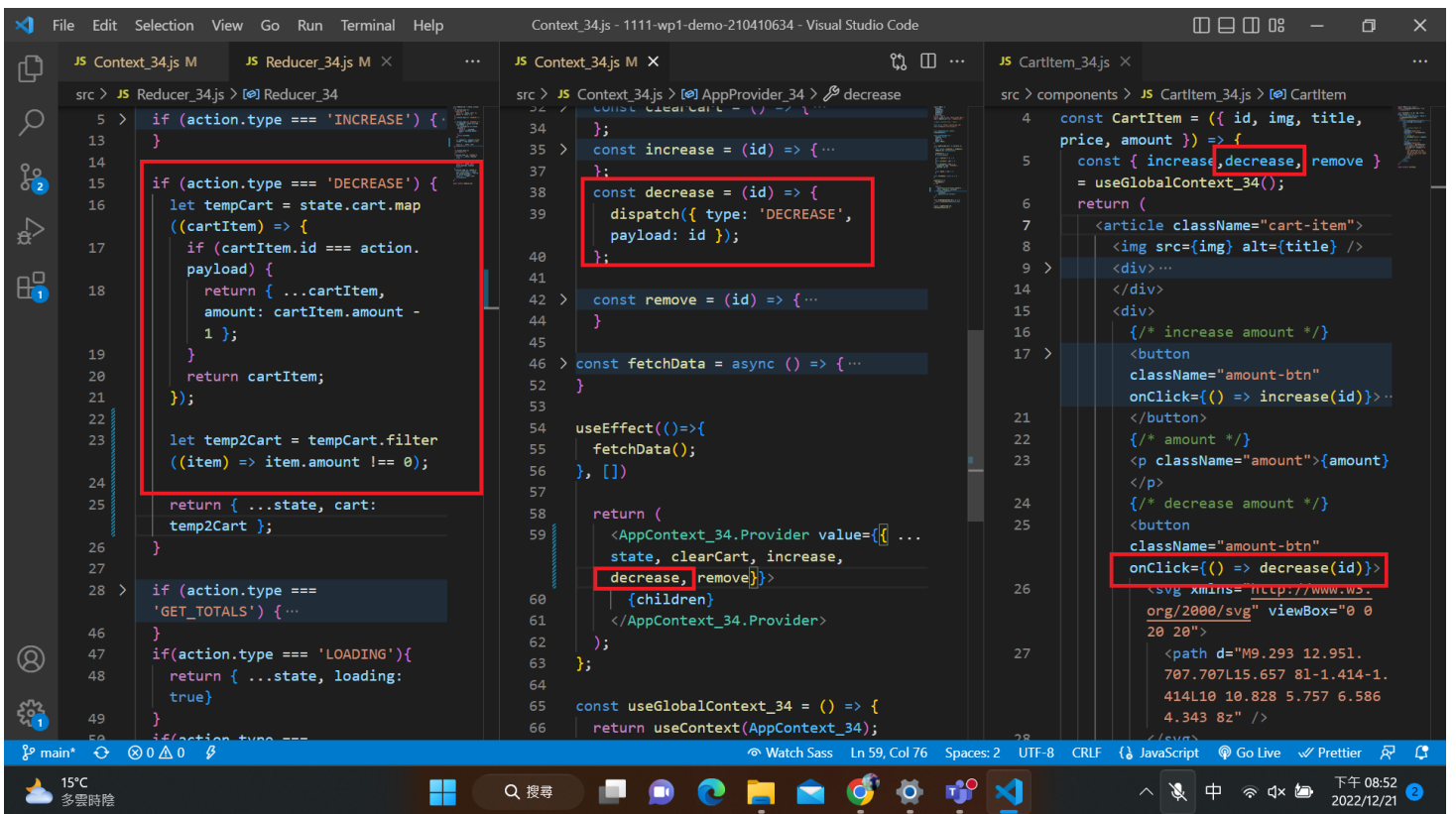
CartItem_34.js:

```
import React from 'react';
import { useGlobalContext_34 } from '../Context_34';

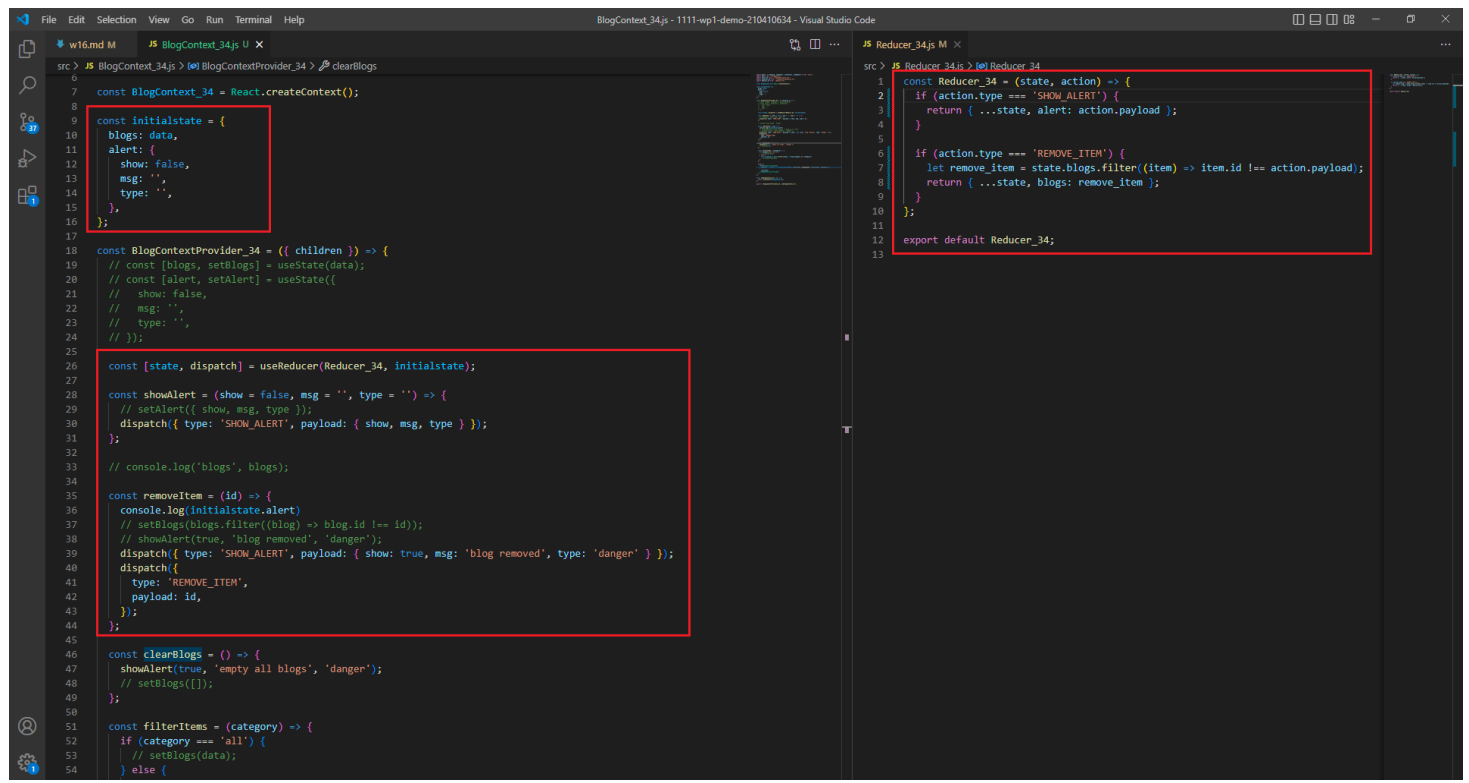
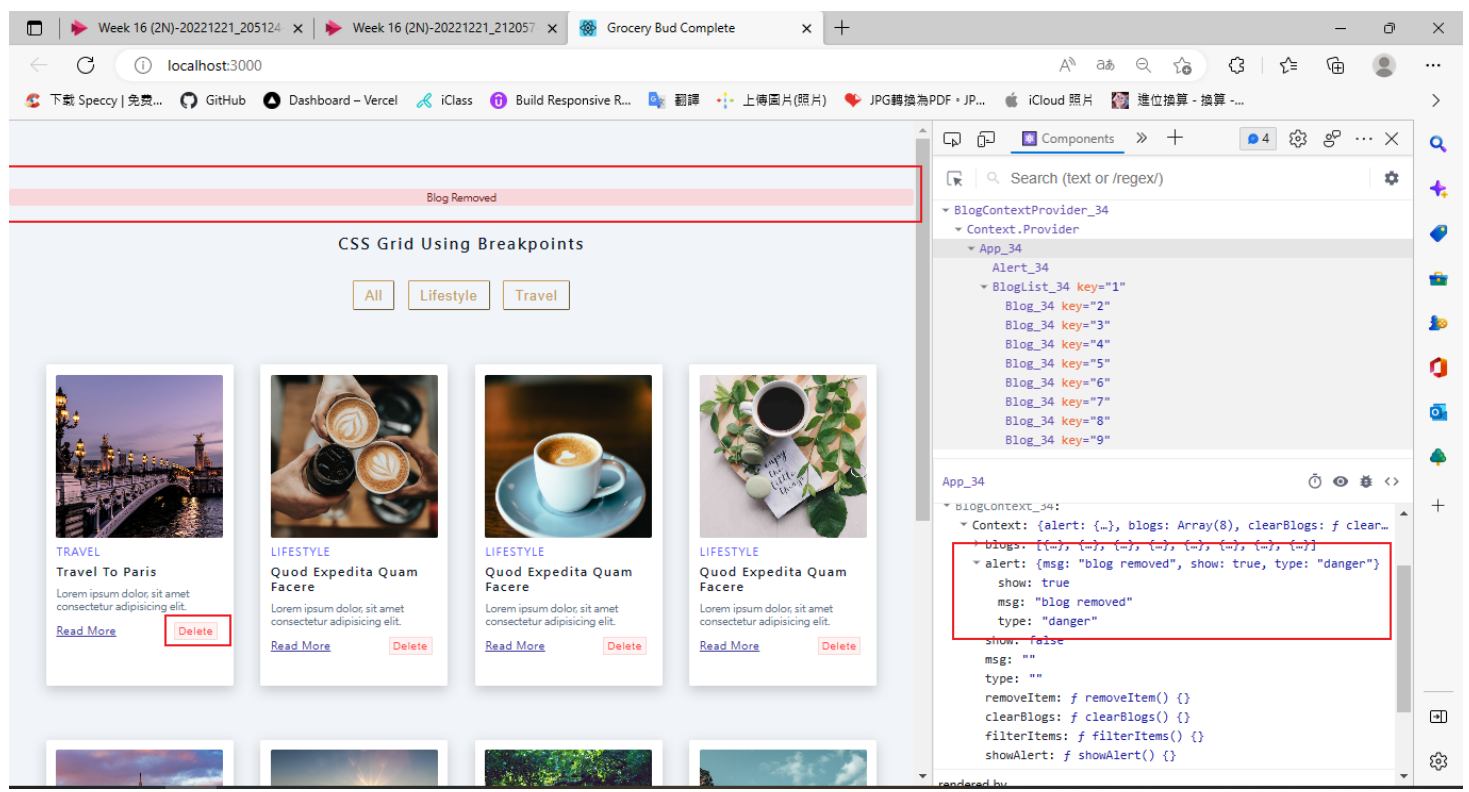
const CartItem = ({ id, img, title, price, amount }) => {
  const { increase, decrease, remove } = useGlobalContext_34();
  return (
    <article className="cart-item">
      <img src={img} alt={title} />
      <div>
        <h4>{title}</h4>
        <h4 className="item-price">${price}</h4>
        <div>
          <button className="remove-btn" onClick={() => remove(id)}>remove</button>
          <div>
            <button className="amount-btn" onClick={() => increase(id)}>
              <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 20 20">
                <path d="M10 7 7 10 10 13" />
              </svg>
            <div>
              {amount}
            </div>
            <button className="amount-btn" onClick={() => decrease(id)}>
              <svg xmlns="http://www.w3.org/2000/svg" viewBox="0 0 20 20">
                <path d="M10 13 7 10 10 7" />
              </svg>
            </div>
          </div>
        </div>
      </div>
    </article>
  );
}
```



W16-P3: decrease amount of a cart item



W16-P4: modify w14_quiz1_context_2 to use useReducer, and can remove a blog



W16-LOG

```
A-iong@DESKTOP-QG51CGD MINGW64 /d/1111-wp1-demo-210410634 (main)
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-12-21"
21431c2 A-iong Thu Dec 22 03:07:19 2022 +0800 W16-P4: modify w14_quiz1_context_2 to use useReducer, and can remove a blog
bef6187 A-iong Thu Dec 22 01:19:08 2022 +0800 Add w16
00e5ed0 A-iong Wed Dec 21 20:54:50 2022 +0800 W16-P3: decrease amount of a cart item
51ba970 A-iong Wed Dec 21 20:32:19 2022 +0800 W16-P2: remove cart item
ceeb3b2 A-iong Wed Dec 21 20:00:52 2022 +0800 W16-P1: fetch cart data from url (API)
```