

W14-P1: Store shopping list in local storage

The screenshot shows a web browser at localhost:3002 displaying a shopping list application. The application has a title "Grocery Bud -- 陳思語". It features a text input field with the placeholder "e.g. eggs" and a "Submit" button. Below the input, there is a list of items: Apple, Egg, Banana, and Kiwi. Each item has a green checkmark and a red trash icon. At the bottom, there is a "Clear Item" button. The browser's developer tools are open, showing the "Application" tab. The "Local Storage" section is expanded, showing a single item with the key "list" and a value containing an array of objects. The "Storage" section is also expanded, showing the same item. The "Background Services" section is also expanded, showing various services like Back/forward cache, Background Fetch, etc.

```
src > JS App_xx.js > App_xx
1 import { useState,useEffect } from "react";
2 import Alert_42 from "../components/Alert_42";
3 import List_42 from "../components/List_42";
4
5 const getLocalStorage = () => {
6   let list = localStorage.getItem('list');
7   if (list){
8     list = JSON.parse(localStorage.getItem(list));
9   }else{
10    list = [];
11  }
12  return list;
13 }
14
15 const setLocalStorage = (list) => {
16   localStorage.setItem('list', JSON.stringify(list));
17 }
18
19 const defaultList = JSON.parse(localStorage.getItem('list')) || []
20
21 const App_xx = () => {
22   const [name,setName] = useState('');
23   const [list,setList] = useState(defaultList);
24   const [alert,setAlert] = useState({
25     show: false,
26     msg: '',
27     type: '',
28   });
29
30   useEffect(() => {
31     const handleLocalStorage = () => {
32       setLocalStorage(list);
33     };
34     handleLocalStorage();
35   }, [list]);
36
37   const handleSubmit = (e) => {
38     e.preventDefault();
39     if(!name){
40       showAlert(true, 'Please enter value','danger');
41     }else{
42       showAlert(true, 'value changed','success');
43       const newItem = {
44         id:new Date().getTime().toString(),
45         title: name,
46       };
47       const newItems = [...list, newItem]
48       setList(newItems);
49       setLocalStorage(newItems);
50       setName('');
51     }
52   };
53
54   const removeItem = () => {};
55
56   const clearList = () => {
57     showAlert(true,'empty list','danger');
58     setList([]);
59     setLocalStorage([]);
60   };
61
62   return (
63     <div>
64       <section className="section-center">
65         <div>
66           <input type="text" value={name} onChange={e => setName(e.target.value)} />
67           <button onClick={handleSubmit}>Submit</button>
68         </div>
69         <div>
70           <ul>
71             {list.map(item => (
72               <li>
73                 {item.title}
74                 <span>✔</span>
75                 <span>✖</span>
76               </li>
77             ))}
78           </ul>
79           <button onClick={clearList}>Clear Item</button>
80         </div>
81       </section>
82     </div>
83   );
84 }
85
86 export default App_xx;
```

Line 9:5: Imported JSX component App_xx must be in PascalCase or SCREAMING_SNAKE_CASE react/jsx-pascal-case

webpack compiled with 1 warning

[illegible]

W014-P3: W14 all logs

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-12-12"
810b815 George0113      Wed Dec 13 21:26:46 2023 +0800  W14-P3:W14 all logs
6c7f620 George0113      Wed Dec 13 20:25:07 2023 +0800  W14-P2: implement removeItem
b57c538 George0113      Wed Dec 13 19:41:39 2023 +0800  W14-P1: Store shopping list in local storage
e35dc60 George0113      Wed Dec 13 18:14:33 2023 +0800  w14
```