

W13-P1: PersonContext for T82_28

The screenshot displays a development environment with a code editor on the left and a web browser on the right. The code editor shows the implementation of a `PersonContext` and its usage in a web application. The web browser shows the rendered output of the application, which is a list of people with a 'remove' button next to each name.

Code Editor (Left):

```
1 import React, { useState, useContext } from 'react';
2 import { data } from '../data';
3 // more components
4 // fix - context api, redux (for more complex cases)
5
6 const PersonContext = React.createContext();
7
8 const T81_28_contextAPI = () => {
9   const [people, setPeople] = useState(data);
10   const removePerson = (id) => {
11     setPeople(people) => {
12       return people.filter((person) => person.id !== id);
13     };
14   };
15   /*大括号送程式 小括弧送物件*/
16   return (
17     <PersonContext.Provider value={{people,removePerson}}>
18       <h3>Context API / useContext</h3>
19       <List/>
20     </PersonContext.Provider>
21   );
22 };
23
24 const List = () => {
25   const mainData = useContext(PersonContext);
26   console.log('mainData',mainData);
27   return (...
28 );
29 };
30
31 const SinglePerson = ({ id, name }) => {
32   const {removePerson} = useContext(PersonContext);
33   return (...
34 );
35 };
36
37 export default T81_28_contextAPI;
```

Web Browser (Right):

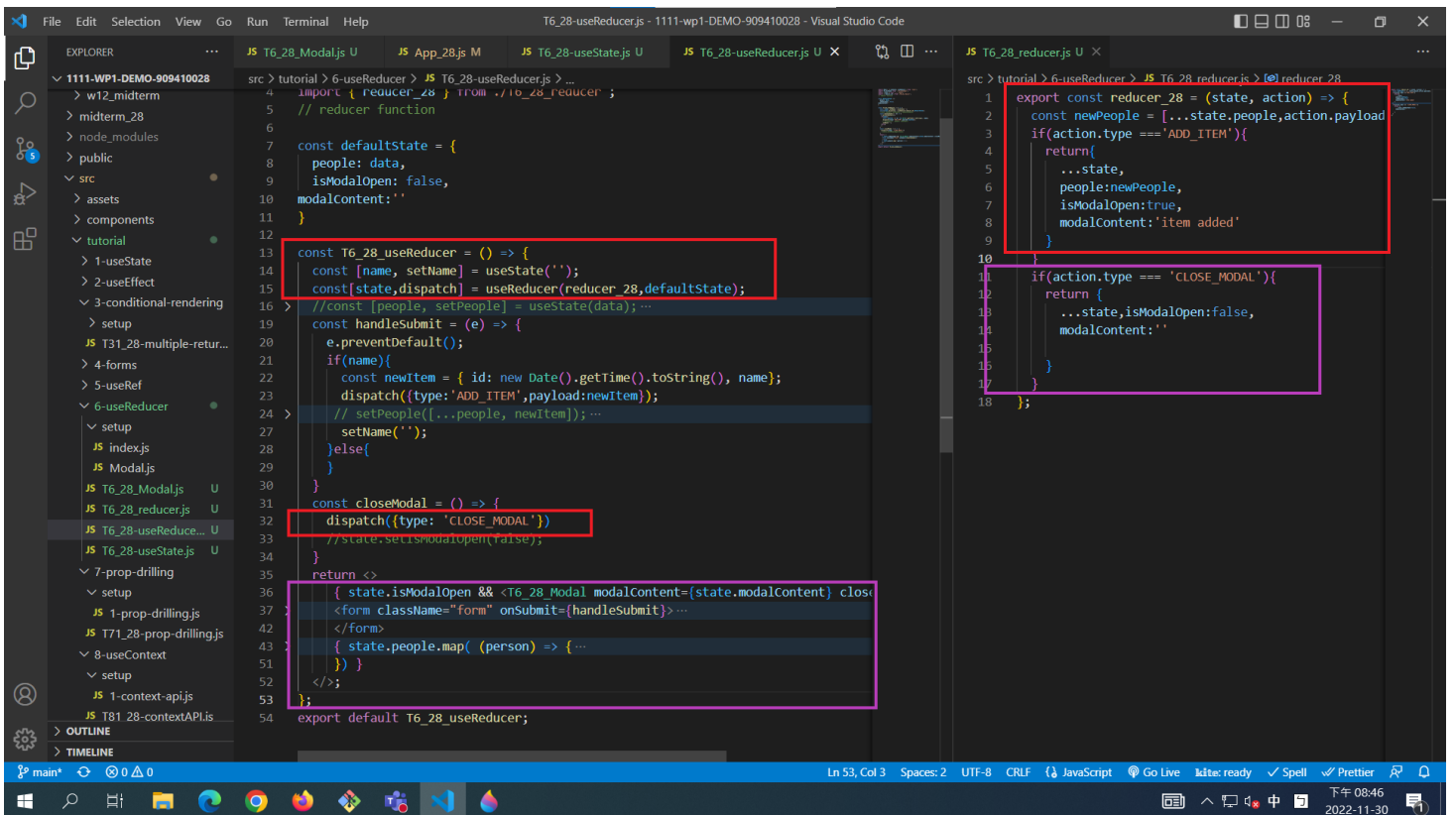
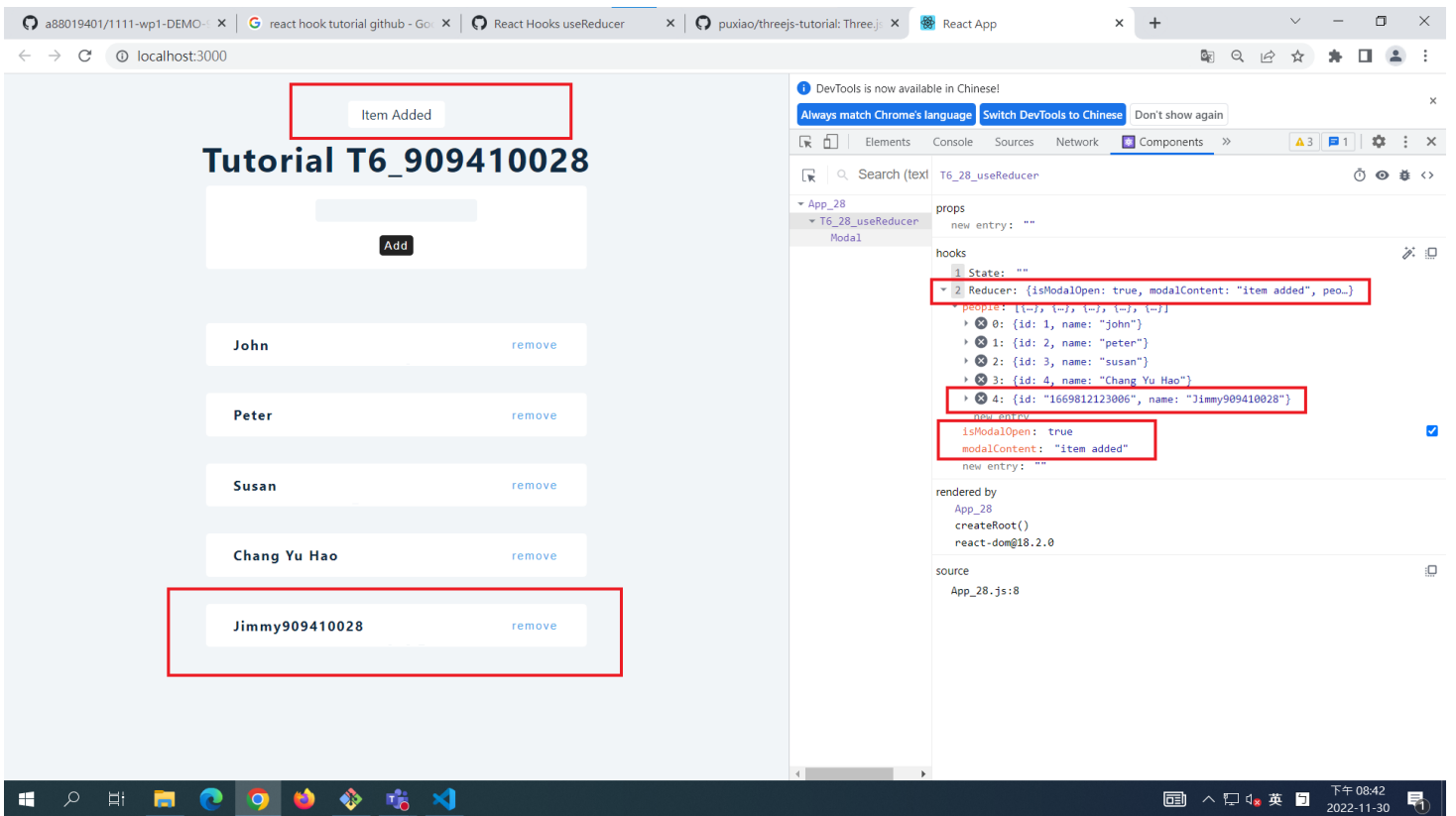
The browser shows the rendered output of the application. The title is "Tutorial 81_909410028" and the subtitle is "Context API / UseContext". The main content is a list of people with a 'remove' button next to each name:

- John remove
- Peter remove
- Susan remove
- Chang Yu Hao remove

The DevTools console shows the following log messages:


```
mainData {people: Array(4), removePerson: f}
mainData {people: Array(4), removePerson: f}
```

W13-P2: Apply useReducer to add an item with modal alert



W13-P3: Apply useContext to solve quiz 1 problem with prop drilling


```
PS D:\20221130\1111-wp1-DEMO-909410028> git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2022-11-29"
6e66531 a88091401      Wed Nov 30 21:59:33 2022 +0800   ### W13-P3: Apply useContext to solve quiz 1 problem with prop drilling
4f68c2c a88091401      Wed Nov 30 20:49:49 2022 +0800   ### W13-P2: Apply useReducer to add an item with modal alert
c30b713 a88091401      Wed Nov 30 19:30:08 2022 +0800   ### W13-P1: PersonContext for T82_28
e36de18 a88091401      Wed Nov 30 19:29:57 2022 +0800   ### W13-P1: PersonContext for T82_28
PS D:\20221130\1111-wp1-DEMO-909410028> █
```

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```
6e66531 a88091401      Wed Nov 30 21:59:33 2022 +0800   ### W13-P3: Apply useContext to solve qu
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e36de18 a88091401      Wed Nov 30 19:29:57 2022 +0800   ### W13-P1: PersonContext for T82_28```
```