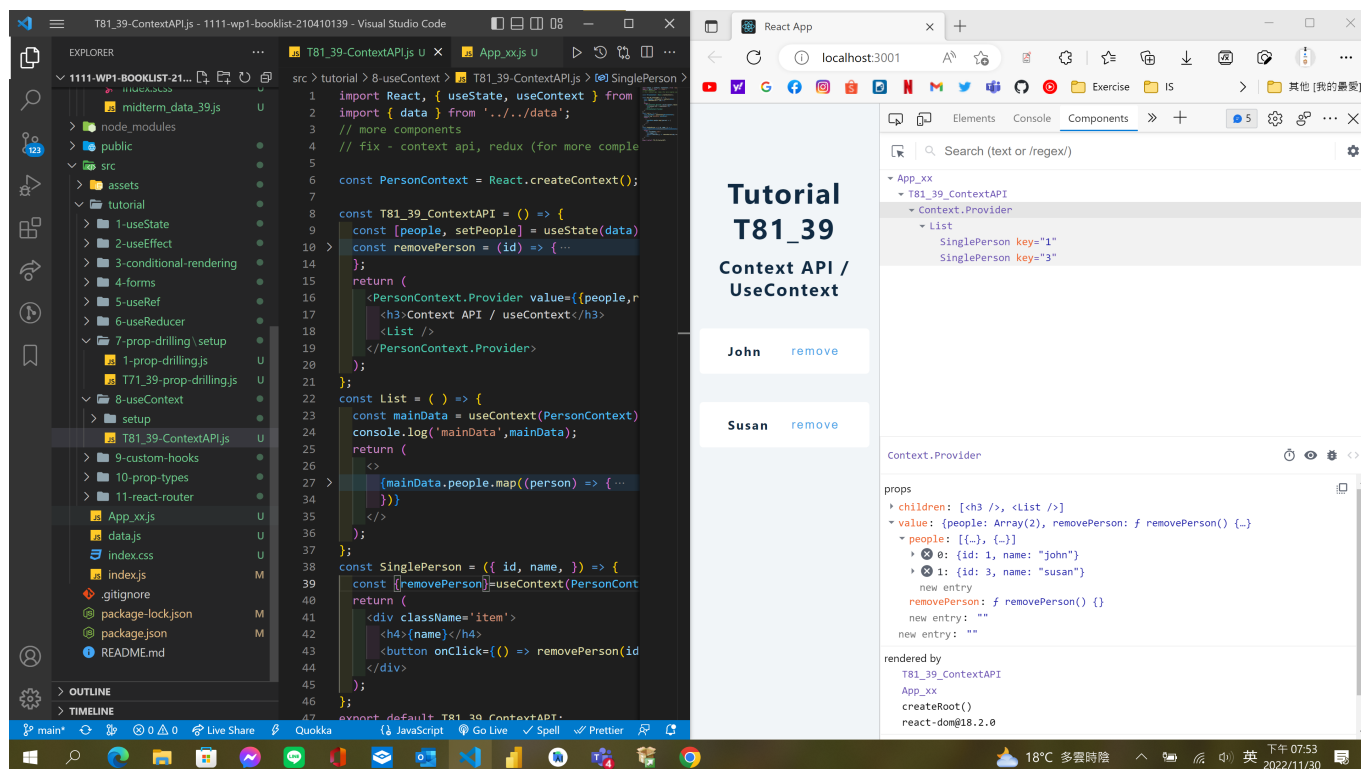
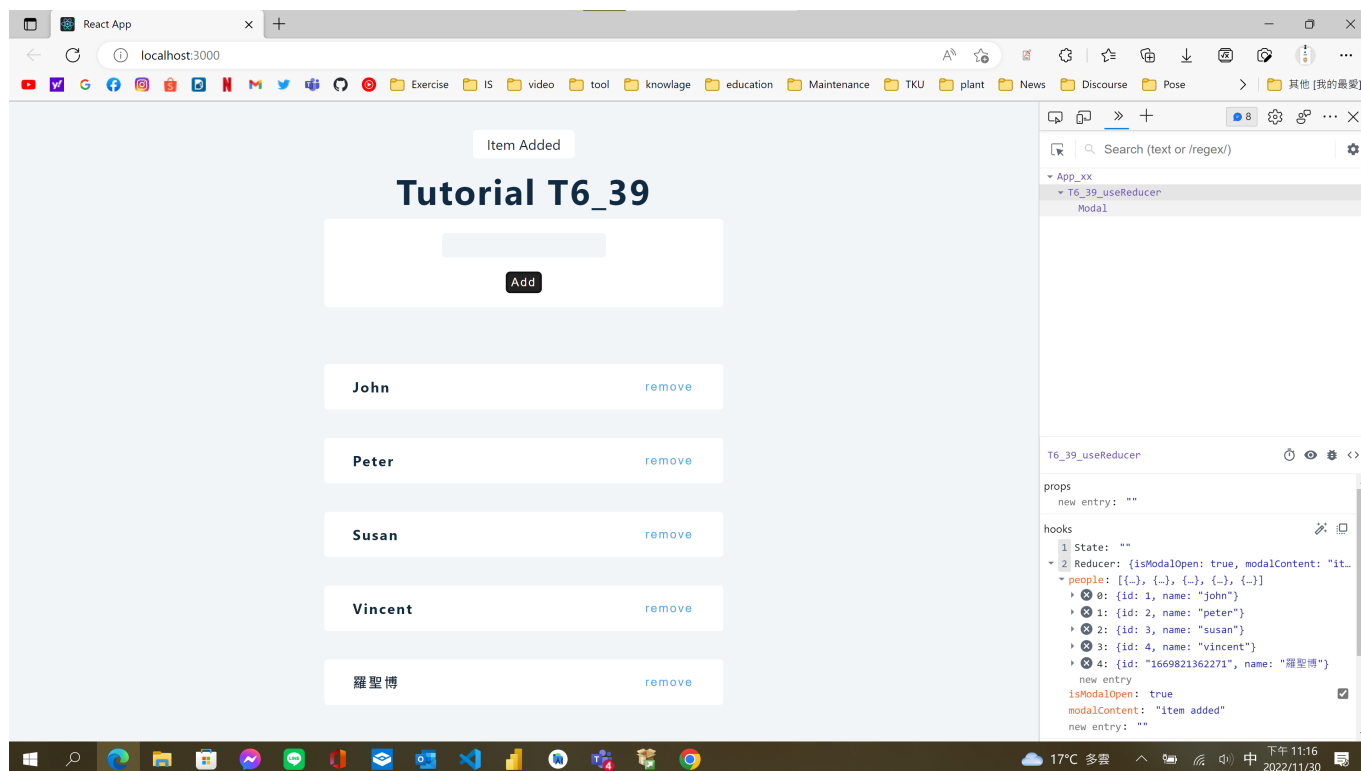


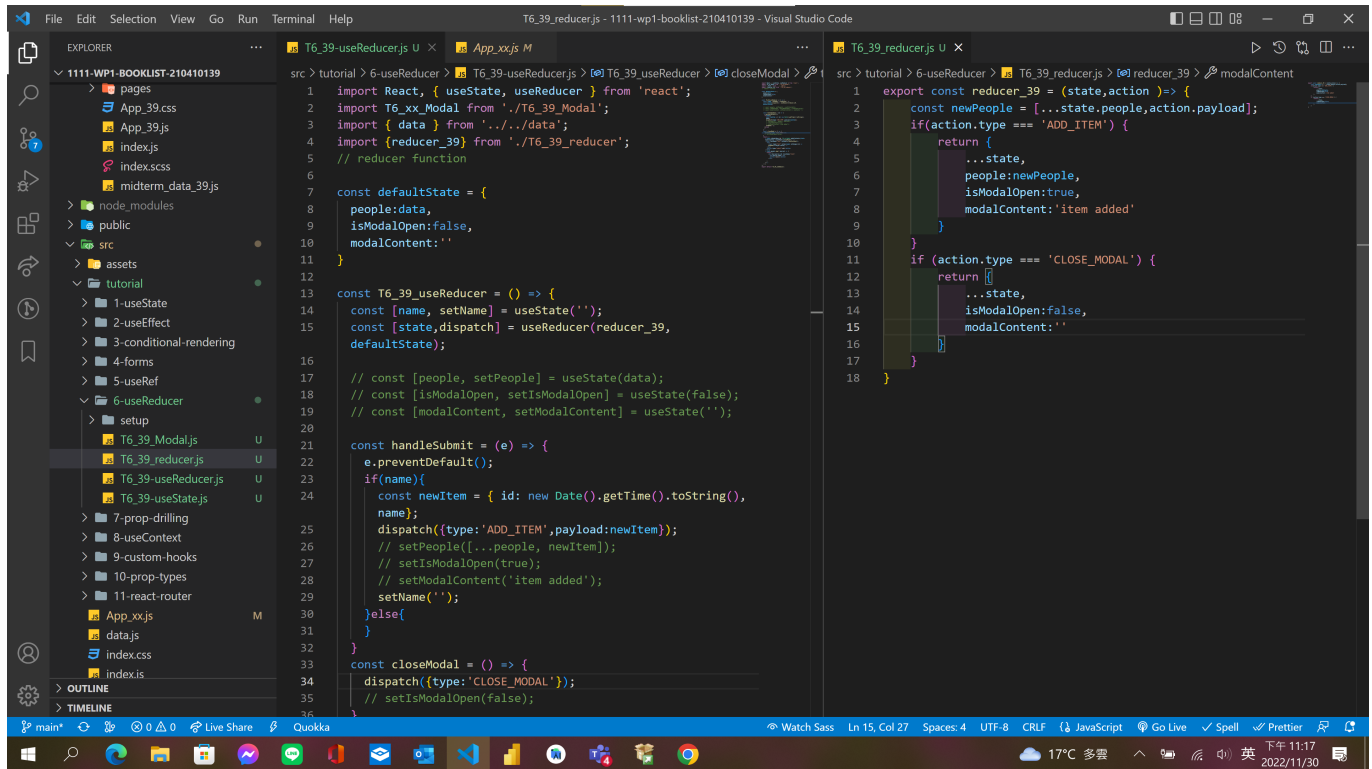
[Github URL](#)

## W13-P1: PersonContext for T82\_xx



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





```
src > tutorial > 6-useReducer > T6_39-useReducer.js > T6_39-useReducer > closeModal >
1 import React, { useState, useReducer } from 'react';
2 import T6_xx_Modal from './T6_39_Modal';
3 import { data } from '../data';
4 import { reducer_39 } from './T6_39-reducer';
5 // reducer function
6
7 const defaultState = {
8   people: data,
9   isModalOpen: false,
10  modalContent: ''
11 }
12
13 const T6_39_useReducer = () => {
14   const [name, setName] = useState('');
15   const [state, dispatch] = useReducer(reducer_39,
16     defaultState);
17
18   // const [people, setPeople] = useState(data);
19   // const [isModalOpen, setIsModalOpen] = useState(false);
20   // const [modalContent, setModalContent] = useState('');
21
22   const handleSubmit = (e) => {
23     e.preventDefault();
24     if(name){
25       const newItem = { id: new Date().getTime().toString(),
26         name};
27       dispatch({type: 'ADD_ITEM', payload: newItem});
28       // setPeople([...people, newItem]);
29       // setIsModalOpen(true);
30       // setModalContent('item added');
31       setName('');
32     }else{
33     }
34   }
35
36   const closeModal = () => {
37     dispatch({type: 'CLOSE_MODAL'});
38     // setIsModalOpen(false);
39   }
40 }
```

```
src > tutorial > 6-useReducer > T6_39-reducer.js > reducer_39 > modalContent
1 export const reducer_39 = (state, action) => {
2   const newPeople = [...state.people, action.payload];
3   if(action.type === 'ADD_ITEM') {
4     return {
5       ...state,
6       people: newPeople,
7       isModalOpen: true,
8       modalContent: 'item added'
9     }
10  }
11  if(action.type === 'CLOSE_MODAL') {
12    return {
13      ...state,
14      isModalOpen: false,
15      modalContent: ''
16    }
17  }
18 }
```

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