

W12-P1: Do advanced hooks: T11_xx & T12_xx

The screenshot shows the development environment for Tutorial T11_42. In VS Code, the file `T11_42-error-example.js` is open, showing the following code:

```
1 import React from 'react';
2
3 const T11_42_ErrorExample = () => {
4   let title = 'random text';
5
6   const handleClick = () => {
7     title = 'Hello World';
8     console.log('title', title);
9   }
10
11   return (
12     <>
13       <h2>{title}</h2>
14       <button type="button" className="btn" onClick={handleClick}>
15         change title
16       </button>
17     </>
18   );
19 }
20
21 export default T11_42_ErrorExample;
```

The browser at `localhost:3000` displays "Tutorial T11_42 Random Text" with a "Change Title" button. The console shows the following log messages:

Message	File	Line
title random title	T12_42-useState-basics.js	9
title Hello World	T11_42-error-example.js	8
title random title	T12_42-useState-basics.js	9
title Hello World	T12_42-useState-basics.js	9
title Hello World	T11_42-error-example.js	8

The screenshot shows the development environment for Tutorial T12_42. In VS Code, the file `T12_42-useState-basics.js` is open, showing the following code:

```
1 import React, { useState } from 'react';
2
3 const T12_42_UseStateBasics = () => {
4   // let title = 'random text';
5
6   const [title, setTitle] = useState('random title');
7   const handleClick = () => {
8     setTitle('Hello World');
9     console.log('title', title);
10   }
11
12   return (
13     <>
14       <h2>{title}</h2>
15       <button type="button" className="btn" onClick={handleClick}>
16         change title
17       </button>
18     </>
19   );
20 }
21
22 export default T12_42_UseStateBasics;
```

The browser at `localhost:3000` displays "Tutorial T12_42 Hello World" with a "Change Title" button. The console shows the following log messages:

Message	File	Line
title random title	T12_42-useState-basics.js	9
title Hello World	T11_42-error-example.js	8
title random title	T12_42-useState-basics.js	9
title Hello World	T12_42-useState-basics.js	9

W12-P2: Do T13_xx using array

The screenshot displays a development environment with a code editor on the left and a browser window on the right. The code editor shows the following JavaScript code:

```
1 import {useState} from 'react';
2 import { data } from '../data';
3
4 const T13_42_UseStateArray = () => {
5   const [people, setPeople] = useState(data);
6
7   const removeItem = (id) => {
8     let newPeople = people.filter((person) => person.id !== id);
9     setPeople(newPeople);
10
11     console.log('people', newPeople);
12
13   return (
14     <div>
15       {people.map((person) => {
16         const {id, name} = person;
17         return (
18           <div key={id} className='item'>
19             <h4>{name}</h4>
20             <button onClick={() => {removeItem(id)}}>Remove</button>
21           </div>
22         );
23       })}
24     </div>
25   );
26 }
```

The browser window shows the rendered application with the title "Tutorial T13_42". It displays a list of names: "Peter" and "陳思語", each with a "Remove" button. The console log shows the state of the application:

```
T13_42_UseStateArray
props
  new entry: ""
hooks
  0: State: {id: 2, name: "peter"}
  1: State: {id: 4, name: "陳思語"}
rendered by
  App_xx
  createRoot()
  react-dom@18.2.0
source
  App_xx.js:12
```

W12-P3: Do T14_xx object

The screenshot displays a development environment with Visual Studio Code on the left and a web browser on the right. The code in the editor defines a component `T14_42_UseStateObject` using `useState` to manage a `person` object. The UI renders the person's details and a button to change the message. The browser shows the rendered output, and the console displays the state update.

```
src > tutorial > 1-useState > JS T14_42-useState-object.js > T14_42_UseStateObject
1 import React, { useState } from 'react';
2
3 const T14_42_UseStateObject = () => {
4   const [person, setPerson] = useState({
5     name: 'George',
6     id: 211410542,
7     message: 'random message'
8   });
9
10  const changMessage = ()=>{
11    setPerson({...person,message:'Welcome,George'});
12  }
13
14  return (
15    <>
16      <h3>{person.name}</h3>
17      <h3>{person.id}</h3>
18      <h4>{person.message}</h4>
19      <button className='btn' onClick={changMessage}>Chang Me:
20    </>
21  );
22};
23
24 export default T14_42_UseStateObject;
```

Line 4:8: 'T13_42' is defined but never used **no-unused-var**

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

Line 8:56: Expected '!=' and instead saw '!=' **eqeqeq**

webpack compiled with 1 warning

Tutorial T14_42
陳思語
George
211410542
Welcome,George

Chang Message

T14_42_UseStateObject

props
new entry: ""

hooks
1 State: {id: 211410542, message: "Welcome,George", name: "George", id: 211410542, message: "Welcome,George"}
new entry: ""

rendered by
App_xx
createRoot()
react-dom@18.2.0

9eb69f6 George0113

Wed Nov 29 20:00:50 2023 +0800 W12-P3: Do T14_xx object

The screenshot displays a development environment with four main panels:

- Code Editor (Left):** Shows the file explorer on the left with a project structure including `w12_hooks_42`, `node_modules`, `public`, `src`, `assets`, `tutorial`, `1-useState`, `2-useEffect`, `3-useEffect-fetch-data.js`, `T21_42-useEffect-fetch-data.js`, `3-conditional-rendering`, `4-forms`, `5-useRef`, `6-useReducer`, `index.js`, `Models`, `7-prop-drilling`, `8-useContext`, `9-custom-hooks`, `10-prop-types`, `11-react-router`, `App.jsx`, `App.css`, `data.js`, `index.css`, `index.js`, `logo.svg`, `gitignore`, `package-lock.json`, `package.json`, and `README.md`. The main editor shows the code for `T21_42-useEffect-fetch-data.js`, which includes a `useState` hook, a `getUsers` function, and a `useEffect` hook. The code is highlighted with red boxes. The terminal at the bottom shows the command `npm run dev` and the output `webpack compiled with 1 warning`.
- Web Browser (Top Right):** Displays the application running on `localhost:3000`. The page title is `Tutorial T21_42` and the author is `陳思語`. The page shows a grid of 22 user profiles, each with a circular avatar and a name. The profiles are arranged in two columns and 11 rows. The first row contains `Mojambo` and `Defunkt`. The last row contains `Caged` and `Topfunky`.
- Component Inspector (Bottom Right):** Shows the component tree on the left with `App_xx` and `T21_42_UseEffectFetchData` selected. The right panel shows the props and hooks for the selected component. The `hooks` section shows the state of the `useState` hook, which is an array of 22 objects, each containing an `avatar_url` and a `name` property.

Wed Nov 29 20:53:27 2023 +0800 W12-P4: Do T23_xx ,fetch Github using us

W012-P5: W12 all logs

0113/1121-wp1-demo-2114:
'...
e.
72), done.
8/198), done.
239 (delta 45), pack-reu
.10 MiB | 14.10 MiB/s
.35 MiB | 14.29 MiB/s, c
e.

Comn x Dashl x iClass x React x api.git x +

github.com/George0113/1121-wp1-demo-211...

George0113 / 1121-wp1-demo-211410542

Code Issues Pull requests Actions Projects Security 21 Insig...

Commits

main

Commits on Nov 29, 2023

W012-P5: W12 all logs
George0113 committed 2 minutes ago
31b5ffe <>

W12-P4: Do T23_xx ,fetch Github using useEffect
George0113 committed 9 minutes ago
8d579d8 <>

W12-P3: Do T14_xx object
George0113 committed 1 hour ago
9eb69f6 <>

W12-P2: Do T13_xx using array
George0113 committed 1 hour ago
e25f932 <>

W12-P1: Do advanced hooks: T11_xx & T12_xx
George0113 committed 1 hour ago
24fa1f5 <>

w12
George0113 committed 2 hours ago
2372d54 <>

```
$ git log --pretty=format:"%h%x09%an%x09%ad%x09%s" --after="2023-11-28"
31b5ffe George0113      Wed Nov 29 21:01:08 2023 +0800  W012-P5: W12 all logs
8d579d8 George0113      Wed Nov 29 20:53:27 2023 +0800  W12-P4: Do T23_xx ,fetch Github using us
9eb69f6 George0113      Wed Nov 29 20:00:50 2023 +0800  W12-P3: Do T14_xx object
e25f932 George0113      Wed Nov 29 19:35:36 2023 +0800  W12-P2: Do T13_xx using array
24fa1f5 George0113      Wed Nov 29 19:09:54 2023 +0800  W12-P1: Do advanced hooks: T11_xx & T12_
2372d54 George0113      Wed Nov 29 18:18:25 2023 +0800  w12
```