

W14-P1: App1_xx contains BlogList_xx, Blog_xx functional components

The screenshot displays a web development environment with three main components: a code editor, a browser, and DevTools.

Code Editor (VS Code): The file `App1_26.js` is open, showing the following code:

```
src > JS App1_26.js > Blog_26
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19
20 const showAlert = (show = false, msg = '', type = '') => {
21   showAlert({ show, msg, type });
22 };
23
24 console.log('blogs', blogs);
25
26 const clearBlogs = () => {
27   showAlert(true, 'empty all blogs', 'danger');
28   setBlogs([]);
29 };
30
31 > const filterItems = (category) => {
32   //
33 };
34
35 return (
36   <BlogContext.Provider value={{ blogs, alert, removeItem, clearBlogs, filterItems, showAlert }}>
37     <BlogList_26 />
38   </BlogContext.Provider>
39 );
40
41 >
42
43 const BlogList_26 = () => {const { blogs } = useContext(BlogContext);-
44 };
45
46 const Blog_26 = ({ id, img, title, desc, category }) => {
47   const { removeItem } = useContext(BlogContext);
48 }
```

The `BlogContext.Provider` and `BlogList_26` components are highlighted with red boxes.

Browser (Chrome): The browser shows the application running at `localhost:3000`. The page title is "CSS Grid Using Breakpoints". The page content includes a navigation bar with "All", "Lifestyle", and "Travel" buttons. Below the navigation bar is a featured article titled "Why Coffee Is Awesome" with a "Read More" link and a "Delete" button.

DevTools: The Components panel shows the component tree. The `BlogContext.Provider` component is expanded, showing the `App_26` component. The `BlogList_26` component is highlighted with a red box. The `Blog_26` component is also highlighted with a red box, showing its props: `id: 3`, `img: "/images/photo-3.jpg"`, `title: "Quod expedita quam facere"`, and `new entry: ""`. The hooks panel shows the `BlogContext_26` hook, which is also highlighted with a red box. The hooks panel shows the `BlogContext_26` hook, which is also highlighted with a red box.

W14-P2: App_xx, BlogList_xx, Blog_xx as separate components

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JS index.js x w14_26.md
src > JS index.js > ...
1 // import { StrictMode } from 'react';
2 // import { createRoot } from 'react-dom/client';
3 import React from 'react';
4 import ReactDOM from 'react-dom/client';
5 import './index.css';
6 import App_26 from './App_26';
7 import { BlogContextProvider_26 } from './BlogContext_26';
8
9 // const rootElement = document.getElementById('root');
10 // const root = createRoot(rootElement);
11
12 const root = ReactDOM.createRoot(document.getElementById('root'));
13
14 root.render(
15   <React.StrictMode>
16   <BlogContextProvider_26>
17     App_26 />
18 )
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W14-P3: define BlogContext_xx and use it in <App_xx />, <BlogList_xx />, <Blog_xx /> components

```
src > JS index.js > ...
12 const root = ReactDOM.createRoot(document.getElementById('root'));
13
14 root.render(
15   <React.StrictMode>
16     <BlogContextProvider_26>
17       <App_26 />
18     </BlogContextProvider_26>
19   </React.StrictMode>
20 );
21
```

```
src > JS App_26.js > ...
1 import React, { useState, useContext } from 'react';
2 import data from './blogData_26';
3 import Alert_26 from './components/Alert_26';
4 import BlogList_26 from './components/BlogList_26';
5 import { useBlogContext_26 } from './BlogContext_26';
6
7 const App_26 = () => {
8   const { blogs, alert, removeItem, clearBlogs, filterItems, showAlert } =
9     useBlogContext_26();
10   return (
11     <section className="blogs">
12       {alert.show && <Alert_26 {...alert} removeAlert={showAlert} />}
13       <div className="section-title">
14         <h2>CSS Grid using breakpoints</h2>
15       </div>
16       <div className="filter-container">
17         <button
18           type="button"
19           className="filter-btn"
20           onClick={() => filterItems('all')}
21         >
22           all
23         </button>
24         <button
25           type="button"
26           className="filter-btn"
27           onClick={() => filterItems('lifestyle')}
28         >
29           lifestyle
30         </button>
31       </div>
32       <BlogList_26 blogs={blogs} />
33     </section>
34   );
35 }
36
37 export default App_26;
```

```
src > JS BlogContext_26.js > ...
1 import React, { useState, useContext, Children } from 'react';
2 import data from './blogData_26';
3 import Alert_26 from './components/Alert_26';
4 import BlogList_26 from './components/BlogList_26';
5
6 const BlogContext_26 = React.createContext();
7
8 const BlogContextProvider_26 = ({ children }) => {
9   const [blogs, setBlogs] = useState(data);
10   const [alert, setAlert] = useState({
11     show: false,
12     msg: '',
13     type: '',
14   });
15
16   const removeItem = (id) => {
17     // ...
18   };
19
20   const showAlert = (show = false, msg = '', type = '') => {
21     // ...
22   };
23
24   console.log('blogs', blogs);
25
26   const clearBlogs = () => {
27     // ...
28   };
29
30   const filterItems = (category) => {
31     // ...
32   };
33
34   return (
35     <BlogContext_26.Provider
36       value={{ blogs, alert, removeItem, clearBlogs, filterItems, showAlert }}
37     >
38       {children}
39     </BlogContext_26.Provider>
40   );
41 };
42
43 const useBlogContext_26 = () => {
44   return useContext(BlogContext_26);
45 };
46
47 export { BlogContextProvider_26, useBlogContext_26 };
```

```
(base) huangweiyi@huangweiyideMacBook-Pro 1111-wp1-demo-26 % git log --pretty=format:"%h%x09%an%x09%ad%
dddc4b5 WeiYiHuangfelix Fri Dec 9 12:02:39 2022 +0800 W14-P3: define BlogContext_xx and use it in <Ap
b95a540 WeiYiHuangfelix Fri Dec 9 11:48:58 2022 +0800 App_xx, BlogList_xx, Blog_xx as separate compon
b952677 WeiYiHuangfelix Fri Dec 9 11:38:44 2022 +0800 App1_xx contains BlogList_xx, Blog_xx functiona
```