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## W14-P1: Use Context for Blogs\_xx

=> Chrome, show blogs\_xx in Content component

The screenshot shows a browser window displaying a blog page at [localhost:3000/demo/blog\\_02/localjson2\\_context\\_02](http://localhost:3000/demo/blog_02/localjson2_context_02). The page content includes three blog posts: "Seven Reasons Why Coffee Is Awesome" (LIFESTYLE), "Travel To Paris" (TRAVEL), and "Coffee Brings Friendship" (LIFESTYLE). The "Travel To Paris" post has a placeholder description. A red box highlights the header "Blogs Context From Local Json 2 -- 李國蘋, 213410102". On the right, a developer tools sidebar shows the component tree and the "Context.Provider" section, with a red box highlighting the "Context\_02" provider. Another red box highlights the expanded "blogs\_02" array within the provider's context. The array contains eight objects, each representing a blog post with fields like "category", "descrip", and "id". The bottom status bar shows the date and time as 2025/12/20 下午 09:06.

```
Context: {alert: {}, blogs_02: Array(9), clearAllBlogs: t4...}
blogs_02: [{}]
0: {category: "lifestyle", descrip: "Lorem ipsum dolor si..."}
1: {category: "travel", descrip: "Lorem ipsum dolor si..."}
2: {category: "lifestyle", descrip: "Lorem ipsum dolor si..."}
3: {category: "lifestyle", descrip: "Lorem ipsum dolor si..."}
4: {category: "lifestyle", descrip: "Lorem ipsum dolor si..."}
5: {category: "travel", descrip: "Lorem ipsum dolor si..."}
6: {category: "travel", descrip: "Lorem ipsum dolor si..."}
7: {category: "travel", descrip: "Lorem ipsum dolor si..."}
8: {category: "travel", descrip: "Lorem ipsum dolor si..."}  
name: "李國蘋"  
id: 213410102  
alert: {msg: "", show: false, type: ""}
```

## => relevant code

The screenshot shows a code editor interface with the following details:

- File Explorer:** On the left, the file structure is shown under "EXPLORER". It includes a folder named "1141\_2N\_NEXT\_APPLE\_02" which contains "src", "app", and "(root)". "app" contains "demo" (with "components" and "page.jsx"), "blog\_02", and "localjson2\_02" (with "page.jsx"). "localjson2\_02" also contains "blogContext\_02.jsx" and "page.jsx".
- Code Editor:** The main area displays a file named "BlogLocalJsonPage2\_02.jsx".
  - Line 7: `import { BlogContextProvider\_02, useBlogContext\_02 } from './blogContext\_02'` (highlighted with a red box).
  - Line 17: `const Context\_02 = () => {` (highlighted with a red box).
  - Line 28: `} = useBlogContext\_02()` (highlighted with a red box).
  - Line 37: `return (  
 <BlogContext.Provider  
 value={(` (highlighted with a red box).
- Status Bar:** At the bottom, it shows "Ln 13, Col 17" and other system information like "UTF-8", "CRLF", "JavaScript JSX", "Signed out", "Go Live", "Prettier", and the date/time "2025/12/20".

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W14-P1: Use Context for Blogs\_xx

# Video: W14-P2: Refine W14-P1 by using BlogList2\_xx

=> Chrome, show BlogList2\_xx, Blog2\_xx component

The screenshot shows a browser window displaying a blog list. The URL in the address bar is `localhost:3000/demo/blog_02/localjson2_context_02`. The page content is titled "Blogs Context From Local Json 2 -- 李國蘋, 213410102". It features three blog cards:

- LIFESTYLE**   
Seven Reasons Why Coffee Is Awesome  
Lorem ipsum dolor sit amet consectetur adipisicing elit.  
Read More Delete
- TRAVEL**   
Travel To Paris  
Lorem ipsum dolor sit amet consectetur adipisicing elit.  
Read More Delete
- LIFESTYLE**   
Coffee Brings Friendship  
Lorem ipsum dolor sit amet consectetur adipisicing elit.  
Read More Delete

The browser's developer tools are open on the right side, specifically the Components tab. It shows the component tree for `Blog2_02`, which includes `Blog2_02_Wrapper`, `BlogList2_02`, and `Blog2_02`. The props and hooks sections are also visible, showing the data being passed to the component.

```
props
category: "lifestyle"
descrip: "Lorem ipsum dolor sit amet consectetur adipisicing elit."
id: 1
img: "/images/photo-1.jpg"
title: "Seven Reasons Why Coffee Is Awesome"
new entry: ""

HOOKS
BlogContext 02:
- Context: {alert: {}, blogs_02: Array(9), clearAllBlogs: t4(...)}
- blogs_02: [{}]
  0: {category: "lifestyle", descrip: "Lorem ipsum dolor sit amet consectetur adipisicing elit."}
  1: {category: "travel", descrip: "Lorem ipsum dolor sit amet consectetur adipisicing elit."}
  2: {category: "lifestyle", descrip: "Lorem ipsum dolor sit amet consectetur adipisicing elit."}
  3: {category: "lifestyle", descrip: "Lorem ipsum dolor sit amet consectetur adipisicing elit."}
  4: {category: "lifestyle", descrip: "Lorem ipsum dolor sit amet consectetur adipisicing elit."}
  5: {category: "travel", descrip: "Lorem ipsum dolor sit amet consectetur adipisicing elit."}
```

## => relevant code

The screenshot shows a code editor with two files open:

- BlogList2\_02.jsx**:

```
1 import Wrapper from '../../../../../_assets/wrapper/Blog_02'
2 import Blog2_02 from './Blog2_02'
3 import { useBlogContext_02 } from '../_blogContext_02'

4 const Bloglist2_02 = () => {
5   const { blogs_02 } = useBlogContext_02()
6
7   return (
8     <Wrapper>
9       <div className='blogs-center'>
10         {blogs_02.map(item => {
11           const { id, title, descrip, category, img } = item
12           return (
13             <Blog2_02
14               key={id}
15               id={id}
16               title={title}
17               descrip={descrip}
18               category={category}
19               img={img}
20             />
21           )
22         })
23       </div>
24     </Wrapper>
25   )
26 }
27
28 export default BlogList2_02
```
- \_blogContext\_02.jsx**:

```
1 import Link from 'next/link'
2 import { useBlogContext_02 } from '../Blog2_02'

3 const Blog2_02 = ({ id, img, category, title, descrip }) => {
4   const { removeItem } = useBlogContext_02()
5
6   return (
7     <article className='blog'>
8       <img src={img} alt='Coffee photo' className='img blog-img' />
9       <div className='blog-content'>
10         <span className='flex'>
11           {category}
12           {category === 'lifestyle' ? (
13             <img alt='lifestyle icon' />
14           ) : (
15             <img alt='travel icon' />
16           )}
17         </span>
18         <h3>{title}</h3>
19         <p>{descrip}</p>
20         <div className='flex justify-between items-center'>
21           <Link href="#" className='inline-block'>
22             read more
23           </Link>
24           <button type='button' className='text-red-700 bg-red-100 hover:bg-red-300 rounded' onClick={() => removeItem(id)}>
25             <img alt='trash icon' />
26           </button>
27         </div>
28       </div>
29     </article>
30   )
31 }
```

The code in `BlogList2_02.jsx` imports `useBlogContext_02` and uses its `blogs_02` value to map over a list of blog items. The `Blog2_02` component is rendered for each item, passing `id`, `img`, `category`, `title`, and `descrip` as props. The `_blogContext_02.jsx` file defines a context provider that includes a `removeItem` function. The `onClick` handler in the `Blog2_02` component calls `removeItem(id)`.

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Video: W14-P2: Refine W14-P1 by using B

# Video: W14-P3: Implement /demo/grocery\_xx for Grocery\_xx

=> Chrome, add two data, and shown in components

The screenshot shows a developer environment with two main windows.

**VS Code (Left):**

- File Structure:** Shows a project structure with `src` containing `app`, `demo`, and `grocery\_02` folders. `grocery\_02` contains `\_components` (with `Form\_xx.jsx` and `Items\_xx.jsx`), `Singleitem\_xx.jsx`, and `page.jsx`.
- Code Editor:** The `page.jsx` file is open, showing a component named `GroceryPage\_02` which uses `useState` to manage state. It includes a function `addItem` to add new items to the state array. The code is highlighted with a red box around the `addItem` logic.
- Terminal:** Shows a terminal window with the command `ls` and a file named `02`.
- Problems:** Shows 1 issue.

**Chrome Dev Tools (Right):**

- Network Tab:** Shows a request to `localhost:3000/demo/grocery\_xx`.
- Elements Tab:** Shows the DOM structure of the `Grocery Bud` page. A red box highlights the `GroceryPage\_02` component and its child components: `Grocery\_xx\_Wrapper` and `Items`. The `Items` component is further expanded to show `SingleItem\_xx` components for "Apple" and "Eggs".
- Elements Tree:** Shows the React component tree. A red box highlights the `State` object, which contains two items: "Apple" and "Eggs".
- Console Tab:** Shows the output of `hydrateRoot()` and the react-dom version.

The browser window displays the `Grocery Bud` application with a list of items: Apple and Eggs, each with a delete button.

```
const [items, setItems] = useState([])

const addItem = (itemName) => {
  const newItem = {
    name: itemName,
    completed: false,
    id: nanoid(),
  }
  setItems([...items, newItem])
  toast.success('Item added successfully!')
}

return (
  <Wrapper>
    <section className='section-center'>
      <ToastContainer position='top-center' />
      <Form addItem={addItem} />
      <Items items={items} />
    </section>
  </Wrapper>
)
```

```
1 State: [{}]
  0: {completed: false, id: "905H48Hjy8Xuj...", name: "Apple", ...}
  1: {completed: false, id: "d6-XpIpDN8ZrD...", name: "Eggs", ...}
```

## => relevant code

```
src > app > (root) > demo > grocery_02 > page.jsx > GroceryPage_02
  9 import Wrapper from './assets/wrapper'
  10 Grocery_xx'
  11
  12 const GroceryPage_02 = () => {
  13   const [items, setItems] = useState([])
  14
  15   const addNewItem = (itemName) => {
  16     const newItem = {
  17       name: itemName,
  18       completed: false,
  19       id: nanoid(),
  20     }
  21     setItems([...items, newItem])
  22     toast.success('Item added successfully!')
  23
  24   return (
  25     <Wrapper>
  26       <section className='section-center'>
  27         <ToastContainer position='top-center'>
  28           <Form addNewItem={addNewItem} />
  29         </ToastContainer>
  30       </section>
  31     </Wrapper>
  32   )
  33
  34   export default GroceryPage_02
  35 
```

```
src > app > (root) > demo > grocery_02 > _components > Form_xx.jsx > ...
  1 'use client'
  2
  3 import { useState } from 'react'
  4 import { toast } from 'react-toastify'
  5
  6 const Form_xx = ({ addNewItem }) => {
  7   const [newItemName, setNewItemName] = useState('')
  8
  9   const handleSubmit = (e) => {
 10     e.preventDefault()
 11     if (!newItemName) {
 12       toast.error('please enter value')
 13       return
 14     }
 15     addNewItem(newItemName)
 16     setNewItemName('')
 17   }
 18
 19   return (
 20     <form onSubmit={handleSubmit}>
 21       <b>grocery bud</b>
 22       <div className='form-control'>
 23         <input
 24           type='text'
 25           className='form-input'
 26           value={newItemName}
 27           onChange={(e) => setNewItemName(e.target.value)}>
 28       </div>
 29     </form>
 30   )
 31 
```

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### Video: W14-P3: Implement /demo/grocery