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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 is open, showing the component tree and the context provider state. A red box highlights the "Components" tab and the "Context\_Provider" section. Another red box highlights the "Context\_02" state object, which contains the blog data and an alert message.

```
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, it shows a project structure for "1141\_2N\_NEXT\_APPLE\_02". The "localJson2\_context\_02" folder and its "blogContext\_02.jsx" file are highlighted with red boxes.
- Code Editor:** The main pane displays a file named "BlogLocalJsonPage2\_02.jsx".
  - Line 7: `import { BlogContextProvider\_02, useBlogContext\_02 } from './blogContext\_02'`
  - Line 17: `const Context\_02 = () => {`
    - Line 18: `const {`
      - Line 19: `blogs\_02,`
      - Line 20: `name,`
      - Line 21: `id,`
      - Line 22: `alert,`
      - Line 23: `showAlert,`
      - Line 24: `removeItem,`
      - Line 25: `clearAllBlogs,`
      - Line 26: `loadAllBlogs,`
      - Line 27: `} = useBlogContext\_02()`
    - Line 28: `return ( ...`
    - Line 29: `)`
    - Line 30: `}`
  - Line 75: `export default BlogLocalJsonPage2\_02`
- Right Panel:** Shows a preview of the application's state and a list of functions:
  - Line 8: `export const BlogContextProvider\_02 = ({`
    - Line 15: `type: '',`
    - Line 16: `})`
  - Line 18: `const showAlert = (show = false, msg = '') => { ...`
  - Line 22: `const removeItem = (id) => { ...`
  - Line 27: `const clearAllBlogs = () => { ...`
  - Line 32: `const loadAllBlogs = () => { ...`
  - Line 37: `return (`
    - Line 38: `<BlogContext.Provider`
    - Line 39: `value={({`
      - Line 40: `blogs\_02,`
      - Line 41: `name,`
      - Line 42: `id,`
      - Line 43: `alert,`
      - Line 44: `showAlert,`
      - Line 45: `removeItem,`
      - Line 46: `clearAllBlogs,`
      - Line 47: `loadAllBlogs,`
      - Line 48: `})`
      - Line 49: `>`
      - Line 50: `{children}`
      - Line 51: `</BlogContext.Provider>`
      - Line 52: `)`
    - Line 53: `}`

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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. Description: Lorem ipsum dolor sit amet consectetur adipisicing elit. [Read More](#) [Delete](#)
- TRAVEL** Travel To Paris. Description: Lorem ipsum dolor sit amet consectetur adipisicing elit. [Read More](#) [Delete](#)
- LIFESTYLE** Coffee Brings Friendship. Description: Lorem ipsum dolor sit amet consectetur adipisicing elit. [Read More](#) [Delete](#)

The browser's developer tools are open, specifically the Components tab. It shows the component hierarchy for `Blog2_02`:  
- `Blog2_02_Wrapper`  
- `BlogList2_02` (highlighted with a red box)  
- `Blog2_02_Wrapper`  
- `Blog2_02 key="1"` (highlighted with a red box)  
The `props` section shows the following data:

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

The `Hooks` section shows the `BlogContext 02` provider:

```
^ BlogContext 02:
  ^ Context: {alert: {}, blogs_02: Array(9), clearAllBlogs: t4(...)}
    ^ blogs_02: [{}]
      ^ 0: {category: "lifestyle", descrip: "Lorem ipsum dolor..."}
      ^ 1: {category: "travel", descrip: "Lorem ipsum dolor si..."}
      ^ 2: {category: "lifestyle", descrip: "Lorem ipsum dolor..."}
      ^ 3: {category: "lifestyle", descrip: "Lorem ipsum dolor..."}
      ^ 4: {category: "lifestyle", descrip: "Lorem ipsum dolor..."}
      ^ 5: {category: "travel", descrip: "Lorem ipsum dolor si..."}
```

The browser status bar at the bottom right shows the date and time: 2025/12/20 下午 10:22.

## => 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 development setup with two main windows:

- VS Code (Left):** The code editor displays `GroceryPage_02.js`. A red box highlights the component definition:

```
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>
)
export default GroceryPage_02
```
- Chrome Dev Tools (Right):** The browser window shows a grocery list titled "Grocery Bud". Two items are listed: "Apple" and "Eggs". A red box highlights the "Add Item" button and the list items. The "Elements" tab of the dev tools shows the component tree:

```
SegmentTreeNode key="page"
  ClientPageRoot
    GroceryPage_02
      Grocery_xx_Wrapper
        lt
          Form_xx_Memo
            Items_Memo
              SingleItem_xx key="905H48Hjy8"
```

Below this, the "State" pane shows the current state of the application:

```
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