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1 <!DOCTYPE html>
2 <html>
3
4 <head>
5   <title>useEffect 基礎介紹</title>
6   <meta name="viewport" content="width=device-width, initial-scale=1">
7   <meta charset="UTF-8">
8   <script src="./javascripts/vendor.js"></script>
9
10  <script crossorigin src="https://unpkg.com/react@18/umd/react.development.js"></script>
11  <script crossorigin src="https://unpkg.com/react-dom@18/umd/react-dom.development.js"></script>
12  <script src="https://unpkg.com/@babel/standalone/babel.min.js"></script>
13
14  <!-- 非同步讀取資料的套件 => axios -->
15  <script src="https://cdnjs.cloudflare.com/ajax/libs/axios/0.27.2/axios.min.js"></script>
16 </head>
17
18 <body class="bg-lighter">
19   <div class="container main my-5">
20     <div class="row">
21       <main class="col post">
22         <!-- 章節標題 -->
23         <div class="mb-4">
24           <h1 class="mt-0 text-muted">useEffect 基礎介紹</h1>
25         </div>
26
27         <div id="root"></div>
28
29         <script type="text/babel">
30           const { useState, useEffect } = React;
31           const api = 'https://api.unsplash.com/search/photos/';
32           const accessKey = '0p99NnZvv03vGtqrypmaM-LvsICLJS1hFN11Wl20y2M';
33           // 驗證是否能成功連上api
34           // https://api.unsplash.com/photos/?client_id=YOUR_ACCESS_KEY
35
36
37           // 搜尋列的元件
38           const SearchBox = ({ onSearchHandler, filterString }) => {
39             return <div>
40               <label htmlFor="filter">搜尋</label>
41               <input type="text" id="filter" className="form-control mb-3"
42                 value={filterString}
43                 onChange={onSearchHandler}>
44             </div>
45           }
46
47           // #5a 建立卡片元件
48           const Card = ({item}) => {
49             return (
50               <div className="card">
51                 <img
52                   src={item.urls.regular}
53                   className="card-img-top img-cover"
54                   alt="..."
55                   height="400"
56                   width="100%"
57                 />
58               </div>
59             )
60           }
61
62           const App = () => {
63             console.log(1);
64             const [filterString, setFilterString] = useState('food');
65             // #3a 建立列表用的陣列
66             const [jsonData, setJsonData] = useState([]);
67
68
69             const onSearchHandler = (e) => {
70               setFilterString(e.target.value);
71             }
72
73
74             // #1 建立非同步方法時，會因為渲染的關係不斷重複觸發
75             // 此方法會造成限定次數很快就被用完了
76
77             // const getPhotos = async () => {
78             //   // 手寫程式測試是否能成功連上api
79             //   // console.log(`${api}?client_id=${accessKey}&query=food`);
80
81             //   const result = await axios.get(`${api}?client_id=${accessKey}&query=${filterString}`);
82             //   console.log(result);
83           }
66
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83 // }
84 // getPhotos();
85
86 // #2 useEffect
87 useEffect(() => {
88   const getPhotos = async () => {
89     // 手寫程式測試是否能成功連上api
90     // console.log(`${api}?client_id=${accessKey}&query=food`);
91
92     const result = await axios.get(`${api}?client_id=${accessKey}&query=${filterString}`);
93     console.log(result);
94
95     // #3b 更新列表 => 將發出請求的結果更新到列表陣列
96     setJsonData(result.data.results);
97   }
98   getPhotos();
99 }, []); //useEffect =>空陣列時，只會在初使化被執行
100
101 return (<div>
102   {console.log(2)}
103   <SearchBox onSearchHandler={onSearchHandler} filterString={filterString} />
104
105   { /* #4 將陣列資料渲染到畫面上 */ }
106   { /* 使用bootstrap建立一列二欄的格線系統 */ }
107   <div className="row row-cols-2 g-3">
108     {
109       jsonData.map((item) => {
110         return (
111           <div className="col" key={item.id}>
112             { /* #5b 呼叫卡片元件 */ }
113             <Card item={item} />
114           </div>
115         )
116       })
117     }
118   </div>
119
120 </div>)
121 }
122
123 ReactDOM
124   .createRoot(document.querySelector('#root'))
125   .render(<App />)
126
127 </script>
128 </main>
129 </div>
130 <style>
131   .img-cover {
132     object-fit: cover;
133   }
134 </style>
135 <link rel="stylesheet" href="./stylesheets/all.css">
136 <link rel="stylesheet" href="https://cdn.jsdelivr.net/npm/bootstrap-icons@1.9.1/font/bootstrap-icons.css">
137 </body>
138
139 </html>

```