PRE-ONBOARDING CHALLENGE

wanted

잠시만 기다려 주시기 바랍니다.

1. 과정 오리엔테이션

강의 진행 미리보기

Week 1-1 → **Week 1-2** → **Week 2-1** → **Week 2-2** →

- 강의 OT
- Next.js의 특징
- 13+ 버전의 기능
- 프로젝트 세팅

- React 18 동시성
- RSC 란
- RSC 이점

- RSC의 규칙
- Streaming HTML

- RSC A to Z
- 상황에 맞게 코드 설계
- 마치며

목차

2시간 미리보기

1. RSC A to Z

Next.js 확실히 알고 레벨업 하기

프로젝트 구조

페이지
(app router)

```
∨ src
  ∨ app
    > rcc
    > rcc-rsc
    > rsc
    > rsc-suspense
    ★ favicon.ico
    # globals.css
    ⚛ layout.tsx
    ⚛ page.tsx
  ∨ components
    ⚛ Navigation.tsx
    ⚛ RCC.tsx
    ⚛ RSC.tsx
  ∨ utils
    TS apis.ts
    TS interface.ts
```

컴포넌트
(RCC, RSC)

api func,
interface

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Next.js 확실히 알고 레벨업 하기

Root Layout

```
export default function RootLayout({
    children,
}: Readonly<{
    children: React.ReactNode;
}>) : Element {
    return (
        <html lang='en'>
            <body className={`antialiased`}>
                <main className='flex flex-col'>
                    <Navigation />
                    {children}
                </main>
            </body>
        </html>
    );
}
```
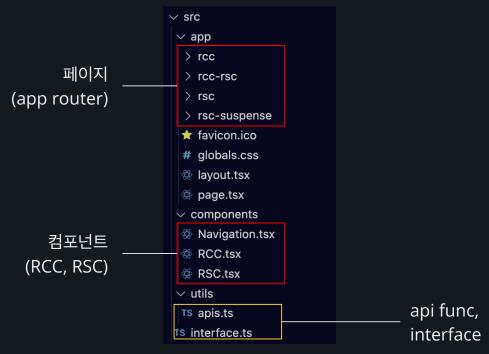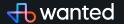
```
export function Navigation() : Element {
    return (
        <div className='flex flex-row gap-6 p-2 ▢bg-slate-400'>
            <Link href='/'>Home</Link>
            <Link href='/rcc'>RCC Only</Link>
            <Link href='/rsc'>RSC Only</Link>
            <Link href='/rsc-suspense'>RSC + Suspense</Link>
            <Link href='/rcc-rsc'>RCC + RSC</Link>
        </div>
    );
}
```
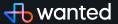
RCC

```
1    'use client';
2
3    import { JsonPlaceholder } from '@/interface';
4    import { fetchJson } from '@/utils/apis';
5    import { useEffect, useState } from 'react';    4.3k (gzipped: 1.9k)
6
     You, 28 minutes ago | 1 author (You)
7    interface Props {
8        num: number;
9    }
10
11   export function RCC({ num }: Props): Element {
12       const [json, setJson] = useState<JsonPlaceholder | null>(null);
13
14       const fetchHandler = async (): Promise<void> => {
15           const data = await fetchJson(num);
16           setJson(data);
17       };
18
19       useEffect((): void => {
20           fetchHandler();
21           // eslint-disable-next-line react-hooks/exhaustive-deps
22       }, []);
23
24       if (json === null) return <div>no data</div>;
25
26       return (
27           <div className='flex flex-col gap-2 border border-solid ■border-white p-2'>
28               <span>id: {json.id}</span>
29               <span>userId: {json.userId}</span>
30               <span>title: {json.title}</span>
31               <span>completed: {json.completed}</span>
32           </div>
33       );
34   }
```

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RSC

```
1   import { fetchJson } from '@/utils/apis';
2
    You, 31 minutes ago | 1 author (You)
3   interface Props {
4       num: number;
5   }
6
7   export async function RSC({ num }: Props) : Promise<Element> {
8       const json = await fetchJson(num);
9
10      return (
11          <div className='flex flex-col border border-solid ■border-white p-2'>
12              <span>id: {json.id}</span>
13              <span>userId: {json.userId}</span>
14              <span>title: {json.title}</span>
15              <span>completed: {json.completed}</span>
16          </div>
17      );
18  }
```
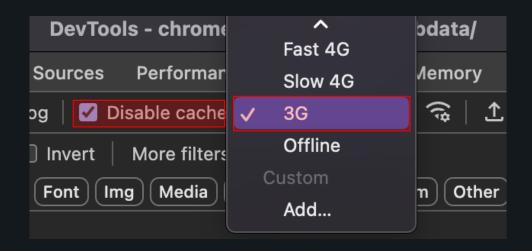
Next.js 확실히 알고 레벨업 하기

utils

```typescript
export interface JsonPlaceholder {
    userId: number;
    id: number;
    title: string;
    completed: boolean;
}
```

```typescript
import { JsonPlaceholder } from '@/interface';

export async function fetchJson(num: number) : Promise<JsonPlaceholder> {
    const response = await fetch(
        `https://jsonplaceholder.typicode.com/todos/${num}`,
        { method: 'get', cache: 'no-store' }
    );
    const data: JsonPlaceholder = await response.json();

    return data;
}
```
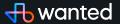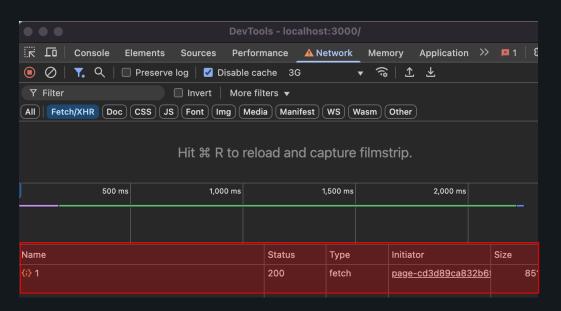
Next.js 확실히 알고 레벨업 하기

Chrome Developer Tools - Network

Only RCC

Only RSC

Next.js 확실히 알고 레벨업 하기

1. React Server Component A to Z

Only RSC

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Next.js 확실히 알고 레벨업 하기

Only RSC

```
0:["4MesRVMHaA9vL-SzrHY3J",[["children","rsc",["rsc",{"children":["__PAGE__",{}]}],"$L1",[[],"$L2"]]]]
```

RSC transaction id

0:["is5nrLXEQ9NASzJFFm0eS",[["children","rsc",["rsc",{"children":["__PAGE__",{}]}],"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]
1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5","$L6",null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
5:null
6:[["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",2]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","quis ut nam facilis et officia qui"]}],["$","span",null,{"children":["completed: ",false]}]]}]]

Next.js 확실히 알고 레벨업 하기
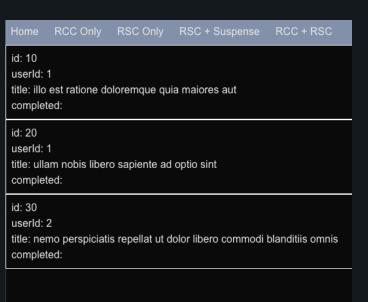
RSC+Suspense

```ts
export async function sleep(ms: number): Promise<void> {
    const promise = new Promise<void>((resolve): void => {
        setTimeout((): void => {
            resolve();
        }, ms);
    });

    return promise;
}
```

```tsx
import { fetchJson } from '@/utils/apis';
import { sleep } from '@/utils/sleep';

...
interface Props {
    num: number;
    sleepMs?: number;
}

export async function RSC({ num, sleepMs }: Props): Promise<Element> {
    const json = await fetchJson(num);

    if (sleepMs) await sleep(sleepMs);

    return (
        <div className='flex flex-col border border-solid border-white p-2'>
            <span>id: {json.id}</span>
            <span>userId: {json.userId}</span>
            <span>title: {json.title}</span>
            <span>completed: {json.completed}</span>
        </div>
    );
}
```
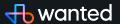
Next.js 확실히 알고 레벨업 하기

1. React Server Component A to Z

RSC+Suspense

Home	RCC Only	RSC Only	RSC + Suspense

id: 10
userId: 1
title: illo est ratione doloremque quia maiores aut
completed:

loading 20loading 30

Home	RCC Only	RSC Only	RSC + Suspense

id: 10
userId: 1
title: illo est ratione doloremque quia maiores aut
completed:

id: 20
userId: 1
title: ullam nobis libero sapiente ad optio sint
completed:

loading 30

Home	RCC Only	RSC Only	RSC + Suspense	RCC + RSC

id: 10
userId: 1
title: illo est ratione doloremque quia maiores aut
completed:

id: 20
userId: 1
title: ullam nobis libero sapiente ad optio sint
completed:

id: 30
userId: 2
title: nemo perspiciatis repellat ut dolor libero commodi blanditiis omnis
completed:

Next.js 확실히 알고 레벨업 하기

RSC+Suspense

```
1  0:["zec8NnNzyvPQ4rHrvbZLu",[["children","rsc-suspense",["rsc-suspense",{"children":["__PAGE__",{}]}]],"
2  3:I[6954,[],""]
3  4:I[7264,[],""]
4  6:"$Sreact.suspense"
5  1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc-suspense","children"]
6  2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","
7  5:null
8  7:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","
```

```
1  0:["zec8NnNzyvPQ4rHrvbZLu",[["children","rsc-suspense",["rsc-suspense",{"children":["__PAGE__",{}]}]],"
2  3:I[6954,[],""]
3  4:I[7264,[],""]
4  6:"$Sreact.suspense"
5  1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc-suspense","children"]
6  2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","
7  5:null
8  7:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","
9  8:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","
```

```
1   0:["zec8NnNzyvPQ4rHrvbZLu",[["children","rsc-suspense",["rsc-suspense",{"children":["__PAGE__",{}]}]],"
2   3:I[6954,[],""]
3   4:I[7264,[],""]
4   6:"$Sreact.suspense"
5   1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc-suspense","children"]
6   2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","
7   5:null
8   7:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","
9   8:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","
10  9:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","
11
```

Next.js 확실히 알고 레벨업 하기

wanted

RSC+Suspense

0:["zec8NnNzyvPQ4rHrvbZLu",[["children","rsc-suspense",["rsc-suspense",{"children":["__PAGE__",{}}]},"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]
6:"$Sreact.suspense"
1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc-suspense","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5",["$","div",null,{"children":[["$","$6",null,{"fallback":["$","span",null,{"children":"loading 10"}],"children":"$L7"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 20"}],"children":"$L8"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 30"}],"children":"$L9"}]]}],null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
5:null
7:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",10]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","illo est ratione doloremque quia maiores aut"]}],["$","span",null,{"children":["completed: ",true]}]]}]
8:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",20]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","ullam nobis libero sapiente ad optio sint"]}],["$","span",null,{"children":["completed: ",true]}]]}]
9:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",30]}],["$","span",null,{"children":["userId: ",2]}],["$","span",null,{"children":["title: ","nemo perspiciatis repellat ut dolor libero commodi blanditiis omnis"]}],["$","span",null,{"children":["completed: ",true]}]]}]
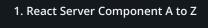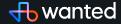
1. React Server Component A to Z

RSC+Suspense
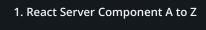
0:["zec8NnNzyvPQ4rHrvbZLu",[["children","rsc-suspense",["rsc-suspense",{"children":["__PAGE__",{}]}],"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]

6:"$Sreact.suspense" ────────────────────▶ Suspense를 사용한다

1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc-suspense","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5",["$","div",null,{"children":[[["$","$6",null,{"fallback":["$","span",null,{"children":"loading 10"}],"children":"$L7"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 20"}],"children":"$L8"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 30"}],"children":"$L9"}]]}],null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
5:null
7:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[[["$","span",null,{"children":["id: ",10]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","illo est ratione doloremque quia maiores aut"]}],["$","span",null,{"children":["completed: ",true]}]]}]
8:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[[["$","span",null,{"children":["id: ",20]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","ullam nobis libero sapiente ad optio sint"]}],["$","span",null,{"children":["completed: ",true]}]]}]
9:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[[["$","span",null,{"children":["id: ",30]}],["$","span",null,{"children":["userId: ",2]}],["$","span",null,{"children":["title: ","nemo perspiciatis repellat ut dolor libero commodi blanditiis omnis"]}],["$","span",null,{"children":["completed: ",true]}]]}]

RSC+Suspense

0:["zec8NnNzyvPQ4rHrvbZLu",[["children","rsc-suspense",["rsc-suspense",{"children":["__PAGE__",{}]}],"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]
6:"$Sreact.suspense"
1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc-suspense","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5",["$","div",null,{"children":[["$","$6",null,{"fallback":["$","span",null,{"children":"loading 10"}],"children":"$L7"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 20"}],"children":"$L8"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 30"}],"children":"$L9"}]]}],null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
5:null
7:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",10]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","illo est ratione doloremque quia maiores aut"]}],["$","span",null,{"children":["completed: ",true]}]]}]
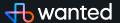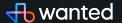8:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",20]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","ullam nobis libero sapiente ad optio sint"]}],["$","span",null,{"children":["completed: ",true]}]]}]
9:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",30]}],["$","span",null,{"children":["userId: ",2]}],["$","span",null,{"children":["title: ","nemo perspiciatis repellat ut dolor libero commodi blanditiis omnis"]}],["$","span",null,{"children":["completed: ",true]}]]}]

Next.js 확실히 알고 레벨업 하기

1. React Server Component A to Z

RSC+Suspense

0:["zec8NnNzyvPQ4rHrvbZLu",[["children","rsc-suspense",["rsc-suspense",{"children":["__PAGE__",{}]}],"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]
6:"$Sreact.suspense"
1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rsc-suspense","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5",["$","div",null,{"children":[[["$","$6",null,{"fallback":["$","span",null,{"children":"loading 10"}],"children":"$L7"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 20"}],"children":"$L8"}],["$","$6",null,{"fallback":["$","span",null,{"children":"loading 30"}],"children":"$L9"}]]}],null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
5:null
7:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",10]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","illo est ratione doloremque quia maiores aut"]}],["$","span",null,{"children":["completed: ",true]}]]}]
8:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",20]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","ullam nobis libero sapiente ad optio sint"]}],["$","span",null,{"children":["completed: ",true]}]]}]
9:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",30]}],["$","span",null,{"children":["userId:

RSC+Suspense

```
const data = [
  "$",
  "div",
  null,
  {
    className: "flex flex-col border border-solid border-white p-2",
    children: [
      ["$", "span", null, { children: ["id: ", 10] }],
      ["$", "span", null, { children: ["userId: ", 1] }],
      [
        "$",
        "span",
        null,
        {
          children: ["title: ", "illo est ratione doloremque quia maiores aut"],
        },
      ],
      ["$", "span", null, { children: ["completed: ", true] }],
    ],
  },
];
```

| $L7 | fallback : loading 10 |

| $L8 | fallback : loading 20 |

| $L9 | fallback : loading 30 |

RSC+Suspense


```
$L7   fallback : <span>loading 10</span>

$L8   fallback : <span>loading 20</span>

$L9   fallback : <span>loading 30</span>
```

```
const data = [
  "$",
  "div",
  null,
  {
    className: "flex flex-col border border-solid border-white p-2",
    children: [
      ["$", "span", null, { children: ["id: ", 10] }],
      ["$", "span", null, { children: ["userId: ", 1] }],
      [
        "$",
        "span",
        null,
        {
          children: ["title: ", "illo est ratione doloremque quia maiores aut"],
        },
      ],
      ["$", "span", null, { children: ["completed: ", true] }],
    ],
  },
];
```

RSC Payload

```
        </div>
        <div>
            <!--$?-->
            <template id="B:0"></template>
            <span>loading 10</span>
            <!--/$-->
            <!--$?-->
            <template id="B:1"></template>
            <span>loading 20</span>
            <!--/$-->
            <!--$?-->
            <template id="B:2"></template>
            <span>loading 30</span>
            <!--/$-->
        </div>
```
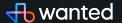
```
<script>
    self.__next_f.push([1, "b:[\"$\",\"div\",null,{\"className\":\"flex flex-col border border-solid bo
</script>
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

Next.js 확실히 알고 레벨업 하기

wanted

RSC Payload

```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
        b._reactRetry && b._reactRetry()
```

```
$RC("B:0", "S:0")
```

```html
                </div>
                <div>
                    <!--$?-->
                    <template id="B:0"></template>
                    <span>loading 10</span>
                    <!--/$-->
                    <!--$?-->
                    <template id="B:1"></template>
                    <span>loading 20</span>
                    <!--/$-->
                    <!--$?-->
                    <template id="B:2"></template>
                    <span>loading 30</span>
                    <!--/$-->
                </div>
```

```html
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

Next.js 확실히 알고 레벨업 하기

RSC Payload

```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
        b._reactRetry && b._reactRetry()
```

```
    </div>
    <div>
        <!--$?-->
        <template id="B:0"></template>
        <span>loading 10</span>
        <!--/$-->
        <!--$?-->
        <template id="B:1"></template>
        <span>loading 20</span>
        <!--/$-->
        <!--$?-->
        <template id="B:2"></template>
        <span>loading 30</span>
        <!--/$-->
    </div>
```

교체 할 대상

$RC("B:0", "S:0")

교체 될 대상

```
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```
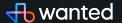
RSC Payload


```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
    }
    b._reactRetry && b._reactRetry()
```

교체 할 대상

```
$RC("B:0", "S:0")
```

교체 될 대상

```html
<div>
    <!--$?-->
    <template id="B:0"></template>
    <span>loading 10</span>
    <!--/$-->
    <!--$?-->
    <template id="B:1"></template>
    <span>loading 20</span>
    <!--/$-->
    <!--$?-->
    <template id="B:2"></template>
    <span>loading 30</span>
    <!--/$-->
</div>
```

```html
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

RSC Payload

```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
    }
    b._reactRetry && b._reactRetry()
}
```

```
</div>
<div>
    <!--$?-->
    <template id="B:0"></template>
    <span>loading 10</span>
    <!--/$-->
    <!--$?-->
    <template id="B:1"></template>
    <span>loading 20</span>
    <!--/$-->
    <!--$?-->
    <template id="B:2"></template>
    <span>loading 30</span>
    <!--$-->
```

```
'S:0'>
'flex flex-col border border-solid border-white p-2'>
d:
<!-- -->
10</span>
<span>userId:
<!-- -->
1</span>
<span>title:
<!-- -->
illo est ratione doloremque quia maiores aut</span>
<span>completed: </span>
</div>
</div>
```

그체 할 대상

Node.COMMENT_NODE (8) 주석노드

A Comment node, such as <!-- … -->.

교세 할 내용

RSC Payload


```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
    }
    b._reactRetry && b._reactRetry()
}
```

```
<div>
    <!--$?-->
    <template id="B:0"></template>
    <span>loading 10</span>
    <!--/$-->
    <!--$?-->
    <template id="B:1"></template>
    <span>loading 20</span>
    <!--/$-->
    <!--$?-->
    <template id="B:2"></template>
    <span>loading 30</span>
    <!--/$-->
</div>
```

```
$RC("B:0", "S:0")
```

```
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

Next.js 확실히 알고 레벨업 하기

RSC Payload


```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
        b._reactRetry && b._reactRetry()
```

종료태그(/$)가 나올 때 까지 반복

```
        </div>
        <div>
            <!--$?-->
            <template id="B:0"></template>
            <span>loading 10</span>
            <!--/$-->
            <!--$?-->
            <template id="B:1"></template>
            <span>loading 20</span>
            <!--/$-->
            <!--$?-->
            <template id="B:2"></template>
            <span>loading 30</span>
            <!--/$-->
        </div>
```

$RC("B:0", "S:0")

```
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

Next.js 확실히 알고 레벨업 하기

RSC Payload


```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e) {
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
        b._reactRetry && b._reactRetry()
```

노드를 하나씩 지움

```
                </div>
            <div>
                <!--$?-->
                <template id="B:0"></template>
                <span>loading 10</span>
                <!--/$-->
                <!--$?-->
                <template id="B:1"></template>
                <span>loading 20</span>
                <!--/$-->
                <!--$?-->
                <template id="B:2"></template>
                <span>loading 30</span>
                <!--/$-->
            </div>
```

`$RC("B:0", "S:0")`

```
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

1. React Server Component A to Z

RSC Payload

```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
    }
    b._reactRetry && b._reactRetry()
```

기존 DOM을 삭제하는 작업

$RC("B:0", "S:0")

```
        </div>
        <div>
            <!--$?-->
            <template id="B:0"></template>
            <span>loading 10</span>
            <!--/$-->
            <!--$?-->
            <template id="B:1"></template>
            <span>loading 20</span>
            <!--/$-->
            <!--$?-->
            <template id="B:2"></template>
            <span>loading 30</span>
            <!--/$-->
        </div>
```

```
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```
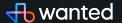
RSC Payload

```javascript
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e) {
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
    }
    b._reactRetry && b._reactRetry()
```

받아온 DOM을 추가하는 작업

```html
        </div>
        <div>
            <!--$?-->
            <template id="B:0"></template>
            <span>loading 10</span>
            <!--/$-->
            <!--$?-->
            <template id="B:1"></template>
            <span>loading 20</span>
            <!--/$-->
            <!--$?-->
            <template id="B:2"></template>
            <span>loading 30</span>
            <!--/$-->
        </div>
```
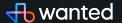
$RC("B:0", "S:0")

```html
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

RSC Payload

```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"    완료됐음을 표시
    }
    b._reactRetry && b._reactRetry()
```

```
</div>
    <div>
        <!--$?-->
        <template id="B:0"></template>
        <span>loading 10</span>
        <!--/$-->
        <!--$?-->
        <template id="B:1"></template>
        <span>loading 20</span>
        <!--/$-->
        <!--$?-->
        <template id="B:2"></template>
        <span>loading 30</span>
        <!--/$-->
    </div>
```

```
$RC("B:0", "S:0")
```

```
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```
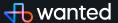
Next.js 확실히 알고 레벨업 하기

RSC Payload

```
$RC = function(b, c, e) {
    c = document.getElementById(c);
    c.parentNode.removeChild(c);
    var a = document.getElementById(b);
    if (a) {
        b = a.previousSibling;
        if (e)
            b.data = "$!",
            a.setAttribute("data-dgst", e);
        else {
            e = b.parentNode;
            a = b.nextSibling;
            var f = 0;
            do {
                if (a && 8 === a.nodeType) {
                    var d = a.data;
                    if ("/$" === d)
                        if (0 === f)
                            break;
                        else
                            f--;
                    else
                        "$" !== d && "$?" !== d && "$!" !== d || f++
                }
                d = a.nextSibling;
                e.removeChild(a);
                a = d
            } while (a);
            for (; c.firstChild; )
                e.insertBefore(c.firstChild, a);
            b.data = "$"
        }
    }
    b._reactRetry && b._reactRetry()
```

```
</div>
<div>
    <!--$?-->
    <template id="B:0"></template>
    <span>loading 10</span>
    <!--/$-->
    <!--$?-->
    <template id="B:1"></template>
    <span>loading 20</span>
    <!--/$-->
    <!--$?-->
    <template id="B:2"></template>
    <span>loading 30</span>
    <!--/$-->
</div>
```

```
$RC("B:0", "S:0")
```

```
<div hidden id="S:0">
    <div class="flex flex-col border border-solid border-white p-2">
        <span>id:
        <!-- -->
        10</span>
        <span>userId:
        <!-- -->
        1</span>
        <span>title:
        <!-- -->
        illo est ratione doloremque quia maiores aut</span>
        <span>completed: </span>
    </div>
</div>
```

혹시 실패 했으면 재시도

RSC Payload

Next.js 확실히 알고 레벨업 하기

RSC Payload

같은 방식으로 모든 fallback 변경

RSC + RCC

```
1   import { RCC } from '@/components/RCC';
2   import { RSC } from '@/components/RSC';
3
4   export default function Page() : Element {
5       return (
6           <div>
7               <section id='rsc'>
8                   <RSC num={3} />
9               </section>
10              <section id='rcc'>
11                  <RCC num={4} />
12              </section>
13          </div>
14      );
15  }
```

himprover

Next.js 확실히 알고 레벨업 하기

RSC + RCC

```
1   import { RCC } from '@/components/RCC';
2   import { RSC } from '@/components/RSC';
3
4   export default function Page() : Element {
5       return (
6           <div>
7               <section id='rsc'>
8                   <RSC num={3} />
9               </section>
10              <section id='rcc'>
11                  <RCC num={4} />
12              </section>
13          </div>
14      );
15  }
```
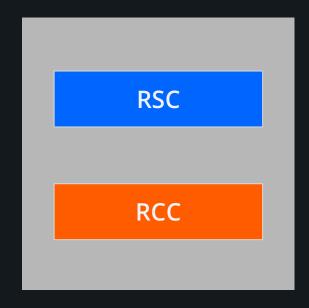
RSC

RCC

RSC + RCC

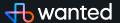```
1   import { RCC } from '@/components/RCC';
2   import { RSC } from '@/components/RSC';
3
4   export default function Page(): Element {
5   return (
6   <div>
7   <section id='rsc'>
8   <RSC num={3} />
9   </section>
10   <section id='rcc'>
11   <RCC num={4} />
12   </section>
13   </div>
14   );
15 }
```

<html/>

bundle.js

**1. React Server Component A to Z**

# RSC + RCC

| Home | RCC Only | RSC Only | RSC + Suspense | RCC + RSC |
|---|---|---|---|---|

id: 3
userId: 1
title: fugiat veniam minus
completed:

no data

| Home | RCC Only | RSC Only | RSC + Suspense | RCC + RSC |
|---|---|---|---|---|

id: 3
userId: 1
title: fugiat veniam minus
completed:

id: 4

userId: 1

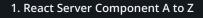title: et porro tempora

completed:

Next.js 확실히 알고 레벨업 하기

# RSC + RCC

0:["H32FooTvgR3-C9JQIcrRi",[["children","rcc-rsc",["rcc-rsc",{"children":["__PAGE__",{}]}],"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]
7:I[7212,["712","static/chunks/app/rcc-rsc/page-d34c7e8b8edb75d8.js"],"RCC"]
1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rcc-rsc","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5",["$","div",null,{"children":[["$","section",null,{"id":"rsc","children":"$L6"}],["$","section",null,{"id":"rcc","children":["$","$L7",null,{"num":4}]}]]}],null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
5:null
6:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",3]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","fugiat veniam minus"]}],["$","span",null,{"children":["completed: ",false]}]]}]

Next.js 확실히 알고 레벨업 하기

# RSC + RCC

0:["H32FooTvgR3-C9JQIcrRi",[["children","rcc-rsc",["rcc-rsc",{"children":["__PAGE__",{}]}]],"$L1",[[],"$L2"]]]]

3:I[6954,[],""]

4:I[7264,[],""]

7:I[7212,["712","static/chunks/app/rcc-rsc/page-d34c7e8b8edb75d8.js"],"RCC"]

1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rcc-

rsc","chil

**EXPLORER**

WANTED-CHALLENGE-FE

∨ .next
  › cache
  › server
  ∨ static
    ∨ chunks
      ∨ app
        ∨ rcc
          JS page-cd3d89ca832b6fa0.js
        › rcc-rsc
        › rsc

JS *page-cd3d89ca832b6fa0.js* ✕

.next › static › chunks › app › rcc › JS page-cd3d89ca832b6fa0.js › 622 › c

```
1  (self.webpackChunk_N_E=self.webpackChunk_N_E||[]).push([[756,712],{3021:function(e : any,t
2  * @license React
3  * react-jsx-runtime.production.min.js
4  *
5  * Copyright (c) Meta Platforms, Inc. and affiliates.
6  *
7  * This source code is licensed under the MIT license found in the
8  * LICENSE file in the root directory of this source tree.
9  */var n : any=r(2265),o : symbol=Symbol.for("react.element"),s : (v: PropertyKey) => bool
```

1. React Server Component A to Z

RSC + RCC

0:["H32FooTvgR3-C9JQIcrRi",[["children","rcc-rsc",["rcc-rsc",{"children":["__PAGE__",{}]}],"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]
7:I[7212,["712","static/chunks/app/rcc-rsc/page-d34c7e8b8edb75d8.js"],"RCC"]
1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rcc-rsc","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5",["$","div",null,{"children":[["$","section",null,{"id":"rsc","children":"$L6"}],["$","section",null,{"id":"rcc","children":["$","$L7",null,{"num":4}]}]]}],null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
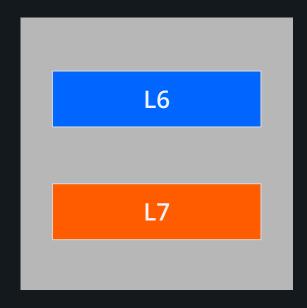5:null
6:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",3]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","fugiat veniam minus"]}],["$","span",null,{"children":["completed: ",false]}]]}]

Next.js 확실히 알고 레벨업 하기

RSC + RCC

```
childProp: {
  current: [
    "$L5",
    [
      "$",
      "div"
      null,
      {
        children: [
          ["$", "section", null, { id: "rsc", children: "$L6" }],
          [
            "$",
            "section",
            null,
            { id: "rcc", children: ["$", "$L7", null, { num: 4 }] },
          ],
        ],
      },
    ],
    null,
  ],
  segment: "__PAGE__",
},
```

```
export default function Page() : Element {
  return (
    <div>
      <section id="rsc">
        <RSC num={3} />
      </section>
      <section id="rcc">
        <RCC num={4} />
      </section>
    </div>
  );
}
```
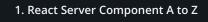
RSC + RCC

Next.js 확실히 알고 레벨업 하기

RSC + RCC

0:["H32FooTvgR3-C9JQIcrRi",[["children","rcc-rsc",["rcc-rsc",{"children":["__PAGE__",{}]}]],"$L1",[[],"$L2"]]]]
3:I[6954,[],""]
4:I[7264,[],""]
7:I[7212,["712","static/chunks/app/rcc-rsc/page-d34c7e8b8edb75d8.js"],"RCC"]
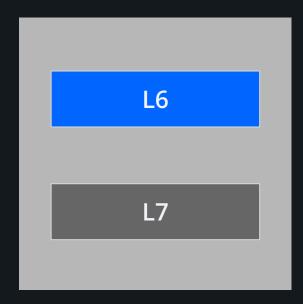1:["$","$L3",null,{"parallelRouterKey":"children","segmentPath":["children","rcc-rsc","children"],"loading":"$undefined","loadingStyles":"$undefined","hasLoading":false,"error":"$undefined","errorStyles":"$undefined","template":["$","$L4",null,{}],"templateStyles":"$undefined","notFound":"$undefined","notFoundStyles":"$undefined","childProp":{"current":["$L5",["$","div",null,{"children":[["$","section",null,{"id":"rsc","children":"$L6"}],["$","section",null,{"id":"rcc","children":["$","$L7",null,{"num":4}]}]]}],null],"segment":"__PAGE__"},"styles":[]}]
2:[["$","meta","0",{"charSet":"utf-8"}],["$","title","1",{"children":"Create Next App"}],["$","meta","2",{"name":"description","content":"Generated by create next app"}],["$","meta","3",{"name":"viewport","content":"width=device-width, initial-scale=1"}],["$","link","4",{"rel":"icon","href":"/favicon.ico","type":"image/x-icon","sizes":"16x16"}]]
5:null
6:["$","div",null,{"className":"flex flex-col border border-solid border-white p-2","children":[["$","span",null,{"children":["id: ",3]}],["$","span",null,{"children":["userId: ",1]}],["$","span",null,{"children":["title: ","fugiat veniam minus"]}],["$","span",null,{"children":["completed: ",false]}]]}]

Next.js 확실히 알고 레벨업 하기

RSC + RCC


```
const data = [
  "$",
  "div",
  null,
  {
    className: "flex flex-col border border-solid border-white p-2",
    children: [
      ["$", "span", null, { children: ["id: ", 3] }],
      ["$", "span", null, { children: ["userId: ", 1] }],
      ["$", "span", null, { children: ["title: ", "fugiat veniam minus"] }],
      ["$", "span", null, { children: ["completed: ", false] }],
    ],
  },
];
```
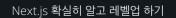
Next.js 확실히 알고 레벨업 하기

1. React Server Component A to Z

RSC + RCC


```
const aa = [
  7212,
  ["712", "static/chunks/app/rcc-rsc/page-d34c7e8b8edb75d8.js"],
  "RCC",
];
```

Next.js 확실히 알고 레벨업 하기

2. 상황에 맞게 코드 설계

상황에 따라 Suspense를 적극 활용하자

선언형

React는 상호작용이 많은 UI를 만들 때 생기는 어려움을 줄여줍니다. 애플리케이션의 각 상태에 대한 간단한 뷰만 설계하세요. 그럼 React는 데이터가 변경됨에 따라 적절한 컴포넌트만 효율적으로 갱신하고 렌더링합니다.

선언형 뷰는 코드를 예측 가능하고 디버그하기 쉽게 만들어 줍니다.

React는 개발자가
선언적으로 개발 할 수 있게끔 도와줌

Suspense를 사용하면
코드를 선언적으로 유지할 수 있음

상황에 따라 Suspense를 적극 활용하자

```
export default function Page() : Element {
  return (
    <div>
        <RSC num={10} />
        <RSC num={20} sleepMs={2000} />
        <RSC num={30} sleepMs={4000} />
    </div>
  );
}
```
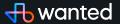
각 컴포넌트가 어떤 동작을 할
지 예측하기 어려움

상황에 따라 Suspense를 적극 활용하자

```tsx
export default function Page() : Element {
  return (
    <div>
      <Suspense fallback={<span>loading 10</span>}>
        <RSC num={10} />
      </Suspense>
      <Suspense fallback={<span>loading 20</span>}>
        <RSC num={20} sleepMs={2000} />
      </Suspense>
      <Suspense fallback={<span>loading 30</span>}>
        <RSC num={30} sleepMs={4000} />
      </Suspense>
    </div>
  );
}
```

각 컴포넌트가 어떤 비동기 작업을 수행하며
그 동안 어떤 컴포넌트를 보여주는지 예측 가능

상황에 따라 Suspense를 적극 활용하자

```tsx
export default function Page(): Element {
  return (
    <div>
      <ErrorBoundary errorComponent={(): Element => <span>loading error</span>}>
        <Suspense fallback={<span>loading 10</span>}>
          <RSC num={10} />
        </Suspense>
      </ErrorBoundary>

      <ErrorBoundary errorComponent={(): Element => <span>loading error</span>}>
        <Suspense fallback={<span>loading 20</span>}>
          <RSC num={20} sleepMs={2000} />
        </Suspense>
      </ErrorBoundary>

      <ErrorBoundary errorComponent={(): Element => <span>loading error</span>}>
        <Suspense fallback={<span>loading 30</span>}>
          <RSC num={30} sleepMs={4000} />
        </Suspense>
      </ErrorBoundary>
    </div>
  );
}
```

자매품 ErrorBoundary

상황에 따라 Suspense를 적극 활용하자

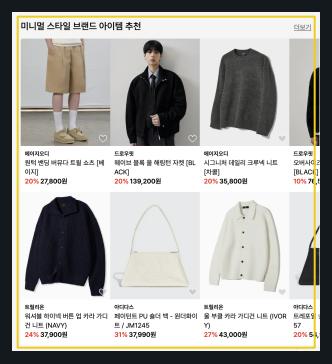**Suspense를 사용해라 ≠ 스켈레톤을 사용해라**

상황에 따라 Suspense를 적극 활용하자

Suspense를 사용해라 ≠ 스켈레톤을 사용해라

Suspense 없이도 스켈레톤 사용 가능

Suspense 와 스켈레톤은 연관 없음

2. 상황에 맞게 코드 설계

인터렉션 영역과 정보 영역을 분리하자

<BrandItemRecommend />

인터렉션 영역과 정보 영역을 분리하자


```tsx
export function ItemList(): Element {
  const [items, setItems] = useState<Item[]>([]);
  const router = useRouter();

  const fetchItems = async (): Promise<void> => {
    const response = await fetch("https:~~~~");
    const data: Item[] = await response.json();

    setItems(data);
  };

  const clickHandler = (id: number): void => {
    router.push(`https://~~~~/${id}`);
  };

  useEffect(() => {
    fetchItems();
  }, []);
```
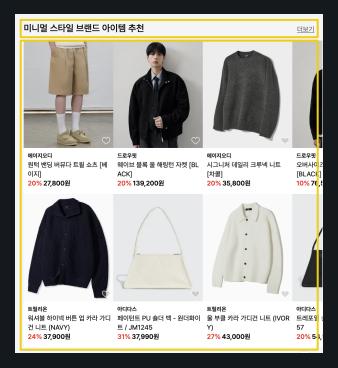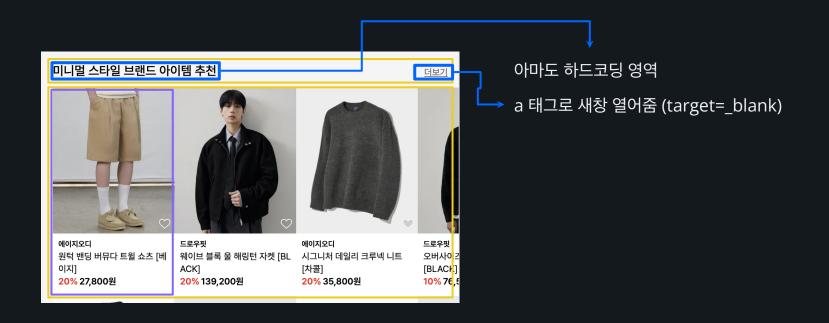
```tsx
  return (
    <div>
      <div>
        <span>미니멀 스타일 브랜드 아이템 추천</span>
        <a href="https://~~~~~" target="_blank">
          더보기
        </a>
      </div>
      <div>
        {items.length === 0 && "상품이 존재하지 않아요."}
        {items.map((item): Element => (
          <div key={item.id} onClick={(): void => clickHandler(item.id)}>
            <img src={item.imgUrl} alt="" />
            <span>{item.brand}</span>
            <span>{item.name}</span>
            <span>{item.discountPercent}</span>
            <span>{item.price}</span>
          </div>
        ))}
      </div>
    </div>
  );
```

인터렉션 영역과 정보 영역을 분리하자

인터렉션 영역과 정보 영역을 분리하자

미니멀 스타일 브랜드 아이템 추천 / 더보기

아마도 하드코딩 영역

a 태그로 새창 열어줌 (target=_blank)

에이지오디
원턱 밴딩 버뮤다 트윌 쇼츠 [베이지]
20% 27,800원

드로우핏
웨이브 블록 울 해링턴 자켓 [BLACK]
20% 139,200원

에이지오디
시그니처 데일리 크루넥 니트 [차콜]
20% 35,800원

드로우핏
오버사이 [BLACK]
10% 76,5

인터렉션 영역과 정보 영역을 분리하자

미니멀 스타일 브랜드 아이템 추천   더보기

에이지오디
원턱 밴딩 버뮤다 트윌 쇼츠 [베이지]
20% 27,800원

드로우핏
웨이브 블록 울 해링턴 자켓 [BLACK]
20% 139,200원

에이지오디
시그니처 데일리 크루넥 니트 [차콜]
20% 35,800원

드로우핏
오버사이 [BLACK]
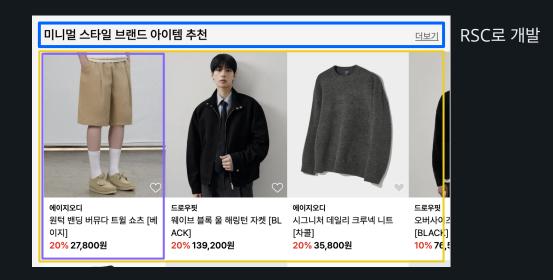10% 76,5
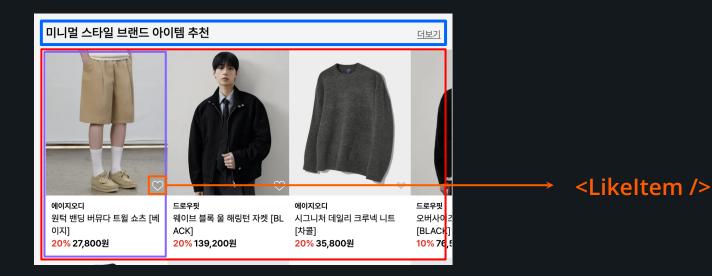
RSC로 개발

인터렉션 영역과 정보 영역을 분리하자

3. 마치며

3. 마치며

진짜 결론

추상화 된 도구로서**만** 접근하지 말고,

원리를 파악하자.

고생하셨습니다.