

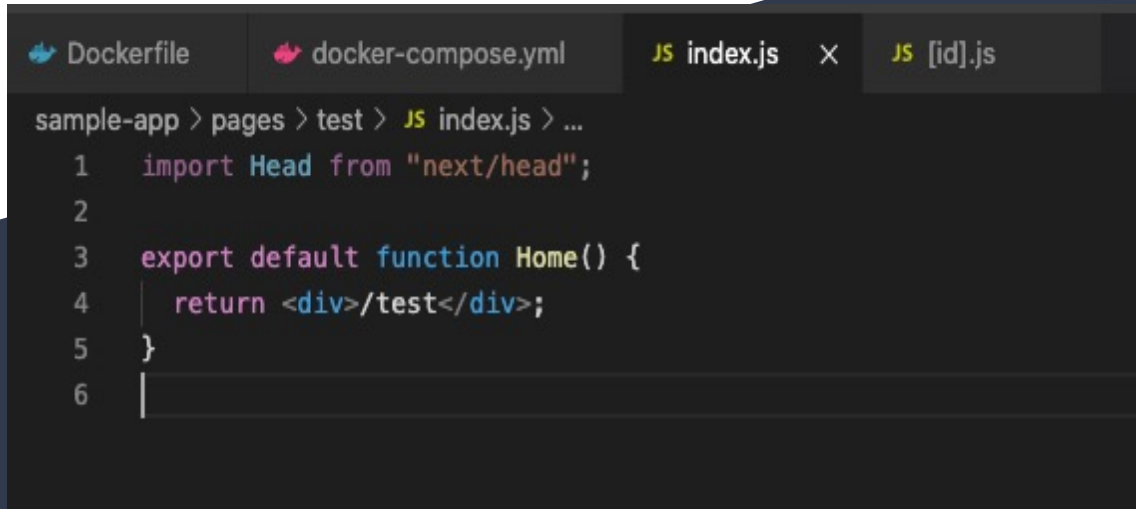
NextJS 사용기

순서

1. Next JS소개
2. SSR과 CSR
3. 주요 기능
4. QnA

The React Framework for Production

yarn create next-app



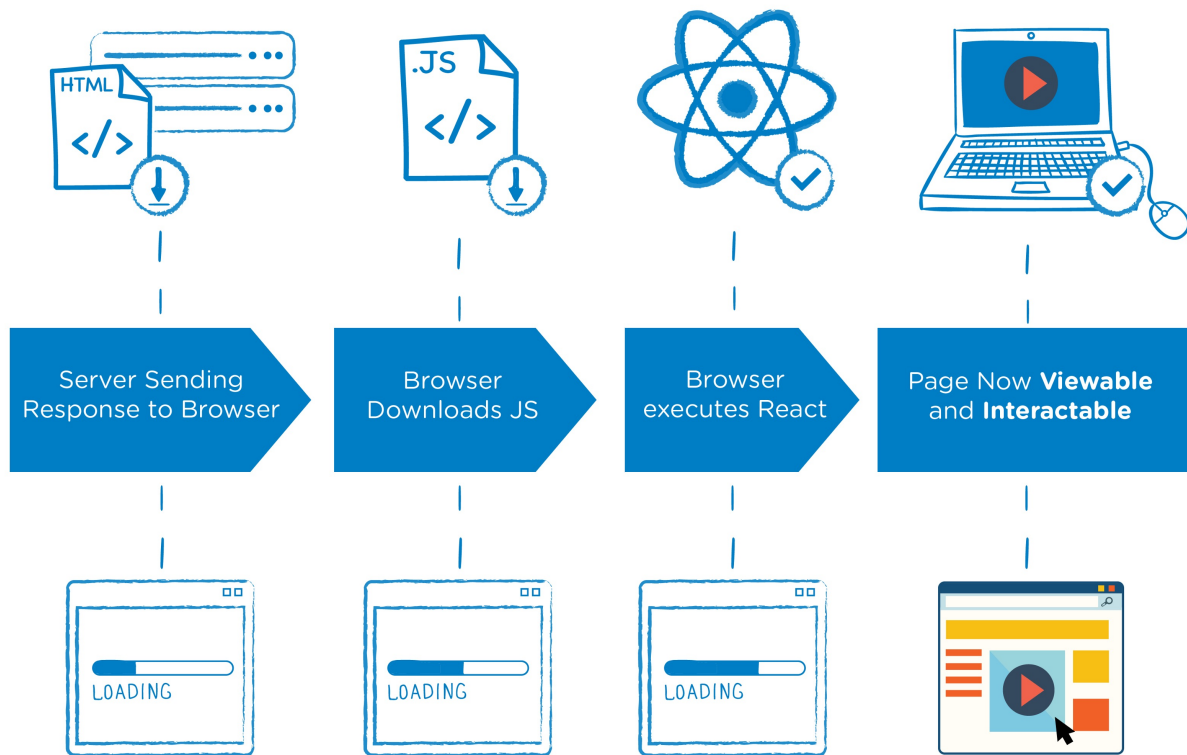
The screenshot shows a code editor with a dark theme. At the top, there are four tabs: 'Dockerfile' (with a blue icon), 'docker-compose.yml' (with a pink icon), 'JS index.js' (with a yellow icon), and 'JS [id].js' (with a yellow icon and a close button 'X'). The active tab is 'JS [id].js'. Below the tabs, the editor shows the file path 'sample-app > pages > test > JS index.js > ...'. The code content is as follows:

```
1  import Head from "next/head";
2
3  export default function Home() {
4    return <div>/test</div>;
5  }
6  |
```

SSR과 CSR

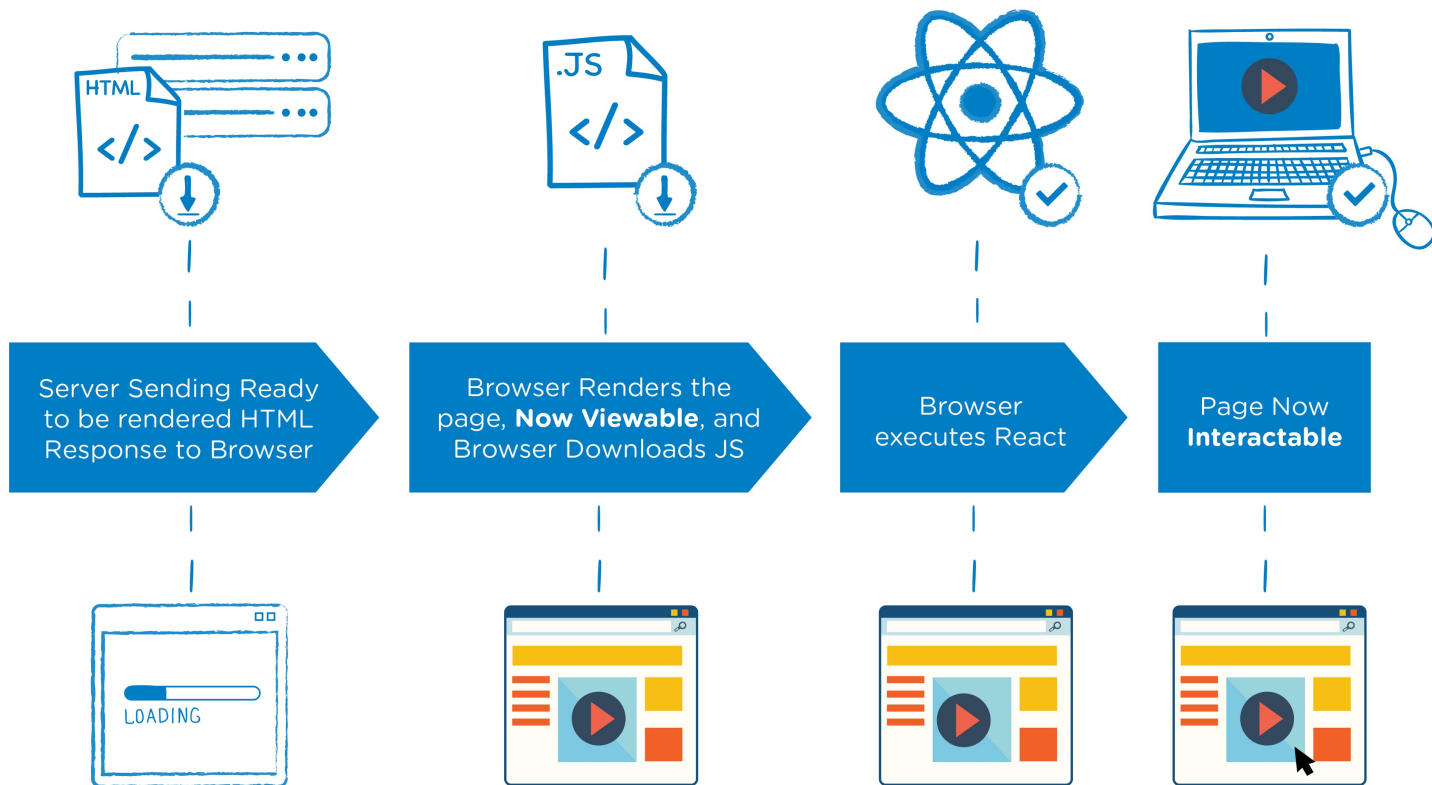


CSR



출처 :
<https://medium.com/walmartglobaltech/the-benefits-of-server-side-rendering-over-client-side-rendering-5d07ff2cefe8>

SSR



	CSR	SSR
장점	<ul style="list-style-type: none"> •첫 로딩만 기다린다면 이후부터는 좋은 사용자 경험을 제공한다. •연속된 렌더링으로 인한 과부하를 줄일 수 있다. 	<ul style="list-style-type: none"> •초기 렌더링 속도가 빠르다. •검색 엔진 최적화에 적합하다.
단점	<ul style="list-style-type: none"> •초기 렌더링 속도가 느리다. •검색 엔진 최적화에 부적합하다. 	<ul style="list-style-type: none"> •매번 새로운 페이지를 요청할 때 마다 새고로침이 발생한다.

검색엔진이 보는 CSR HTML

```
<html>
<head>
  <title>Single Page Application</title>
  <link rel="stylesheet" href="app.css" type="text/css">
</head>
<body>
  <div id="app"></div>
  <script src="app.js"></script>
</body>
</html>
```

1. Pages
 2. Data Fetching
 3. Fast Refresh
- 
- A dark blue, curved decorative shape that starts from the bottom left and extends diagonally upwards towards the right, occupying the lower half of the slide.

```
> .next
> node_modules
✓ pages
  > api
  ✓ dynamic-route
    JS [id].js
  ✓ test
    JS index.js
  JS _app.js
  JS index.js
> public
> styles
◆ .gitignore
{} package.json
(i) README.md
👤 yarn.lock
🐳 docker-compose.yml
🐳 Dockerfile
```

Pages 디렉토리 밑에 파일을 생성하는 것 만으로도
자동적으로 라우팅

<http://localhost:9000/dynamic-route/1>

<http://localhost:9000/test>

<http://localhost:9000/>

정적 생성(빌드시에만 실행)

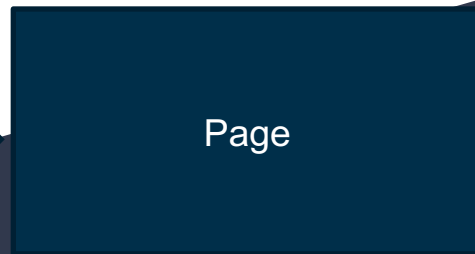
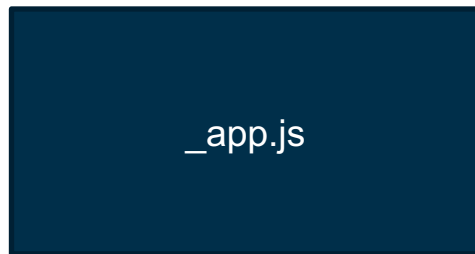
- `getStaticProps`
- `getStaticPaths`

동적생성(리퀘스트마다 실행)

- `getServerSideProps`

```
export async function getStaticProps(context) {  
  return {  
    props: {}, // will be passed to the page component as props  
  }  
}
```

- `getStaticProps`
- `getStaticPaths`
- `getServerSideProps`



에러를 바로바로 표시해줌
State는 유지된채로 에러만 수정

Failed to compile

```
./pages/dynamic-route/[id].js:2:0
Module not found: Can't resolve '../styles/Home.module.css'
 1 | import Head from "next/head";
> 2 | import styles from "../styles/Home.module.css";
    | 
 3 | export default function Home() {
 4 |   return <div>/dynamic</div>;
 5 | }
```

This error occurred during the build process and can only be dismissed by fixing the error.

QnA