



LIVE จัดอบรมออนไลน์

BASIC

NEXT.JS

🗓 14-16 MAY 2021

⌚ 20.00 - 23.00PM



อาจารย์สาบีตระ^{กุล}
สถาบันไอทีจีเนียส

สำหรับผู้เริ่มต้น

วิทยากร



อาจารย์สา米ตร โกยม
ปริญญาโทคณะเทคโนโลยีสารสนเทศ
มหาวิทยาลัยเทคโนโลยีพระจอมเกล้าพระนครเหนือ

ดาวน์โหลดเอกสารประกอบการอบรม

bit.ly/3uGImWi



Next.JS Framework Basic (3 days)

DAY 1

- Module 1: พื้นฐาน Next.js 10.x
- Module 2: การทำงานกับ Routing
- Module 3: การใช้ Style Component

DAY 2

- Module 4: การใช้ Tailwind CSS ใน Next.js
- Module 5: Integrate Material-UI
- Module 6: Basic Login Authentication

DAY 3

- Module 7: Next.js Rest API
- Module 8: Server Side Rendering
- Module 9: Deployment

Next.JS Framework Advanced Training Progress



Day 1



Day 2



Day 3

DAY 1

- Module 1: พื้นฐาน Next.js 10.x
- Module 2: การทำงานกับ Routing
- Module 3: การใช้ Style Component



Module 1:

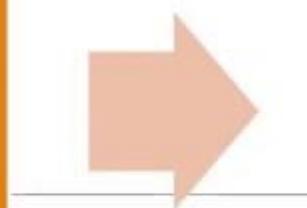
พื้นฐาน Next.js 10.x



- Next.js Introduction
- Installing Next.js
- File Structure Explained
- Pages Explained
- `_document.tsx` file explained
- `_app.tsx` file explained

What is Next.js?

Server-Side Rendering
with Next.js



Next.js is A lightweight
React js framework
for
Static and Server-rendered
Applications.



The React Framework for
Production



What is Next.js

React as a view library. Alone, you couldn't quickly build a modern app with React. You need routing, a build system, a way to style things, performance, etc

Next.js is a complete full-stack framework for modern apps that was created by the brilliant team at [Vercel](#). React is used as the view library of choice. So if you know React, then Next.js will be very familiar. When building an app from scratch with React, you have so many decisions to make and so many choices. Next.js has well thought out conventions baked in that make these decisions for you.

Credit::

<https://hendrixer.github.io/nextjs-course/what-is-nextjs>



Next.js Highlights

- Dev build system
- Production build system
- Prerendering
 - SSR
 - Build time
 - Static
- Routing
- API routes (*wow, really?*)

Credit::

<https://hendrixer.github.io/nextjs-course/what-is-nextjs>



What about create react app

Like Next.js, [create-react-app \(CRA\)](#) has a bunch of opinions baked in too. However, CRA is more of a boilerplate created to help you get started with React faster. Because CRA is just React, you're still on the hook for something. Routing, Server Side Rendering, and an API, along with other things.

Credit::

<https://hendrixer.github.io/nextjs-course/what-is-nextjs>



What about Gatsby



Gatsby is more similar to Next.js than CRA. Gatsby has conventions built in the will to make anyone looking to make a static app with React happily. Gatsby is not a full-stack framework and cannot create API routes or server-side rendering. Gatsby does have features like a content mesh, GraphQL support built-in, image optimization, and others that Next.js does not have

Credit::

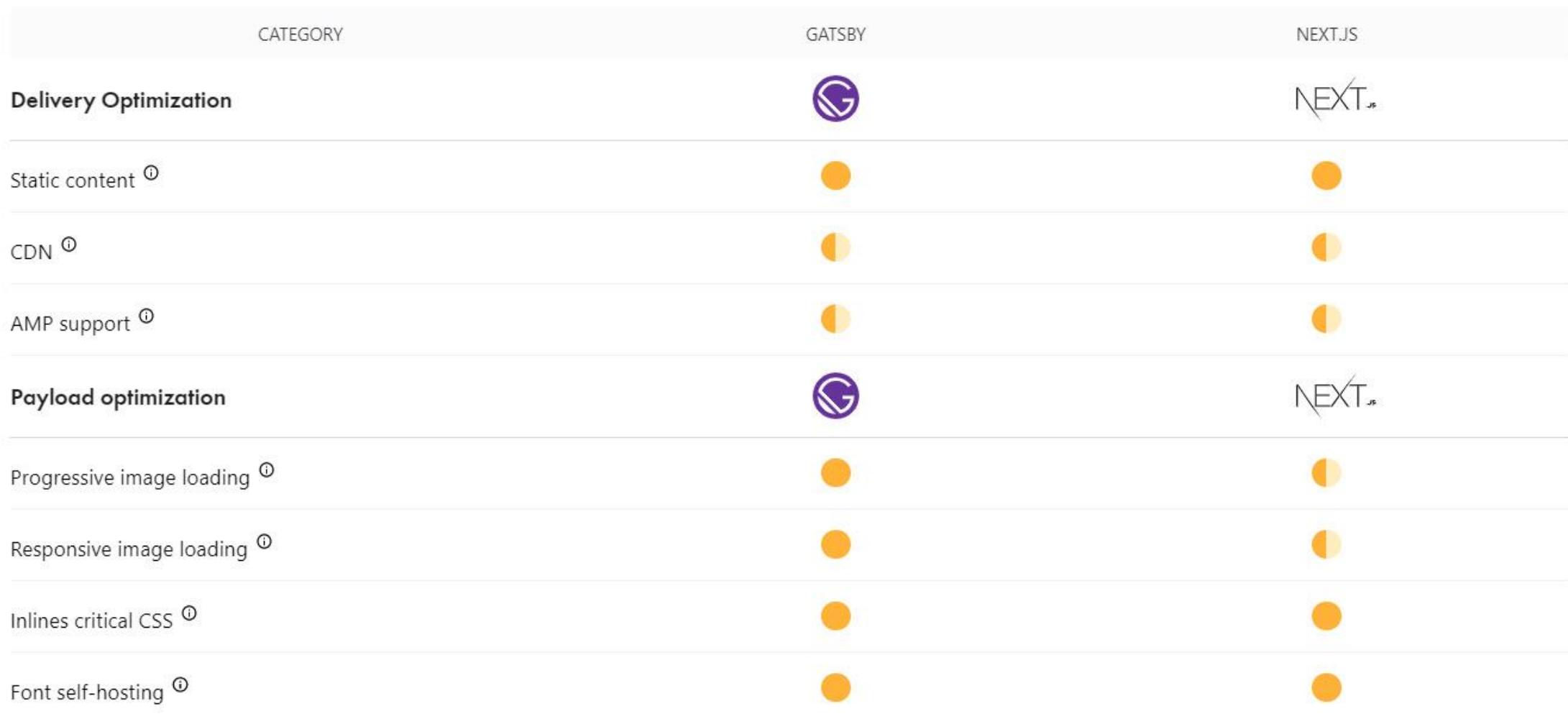
<https://hendriker.github.io/nextjs-course/what-is-nextjs>

Comparison of Gatsby vs Next.js

Credit::

<https://www.gatsbyjs.com/features/jamstack/gatsby-vs-nextjs/>

Performance





When to use Next.js

Do you only need a single page app?
Use Create React App

**Do you need a static site, like a blog,
that's also a SPA?**
Use Next.js or Gatsby.

Need SSR, an API, and all the above?
Use Next.js

Credit::

<https://hendrixer.github.io/nextjs-course/what-is-nextjs>

| โปรแกรม (Tool and Editor) ที่ใช้บرم



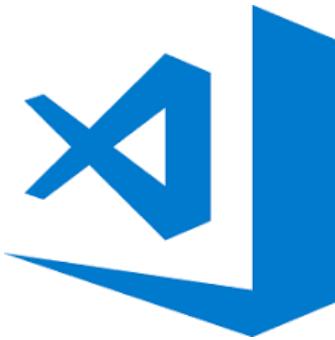
Visual Studio Code



Node JS



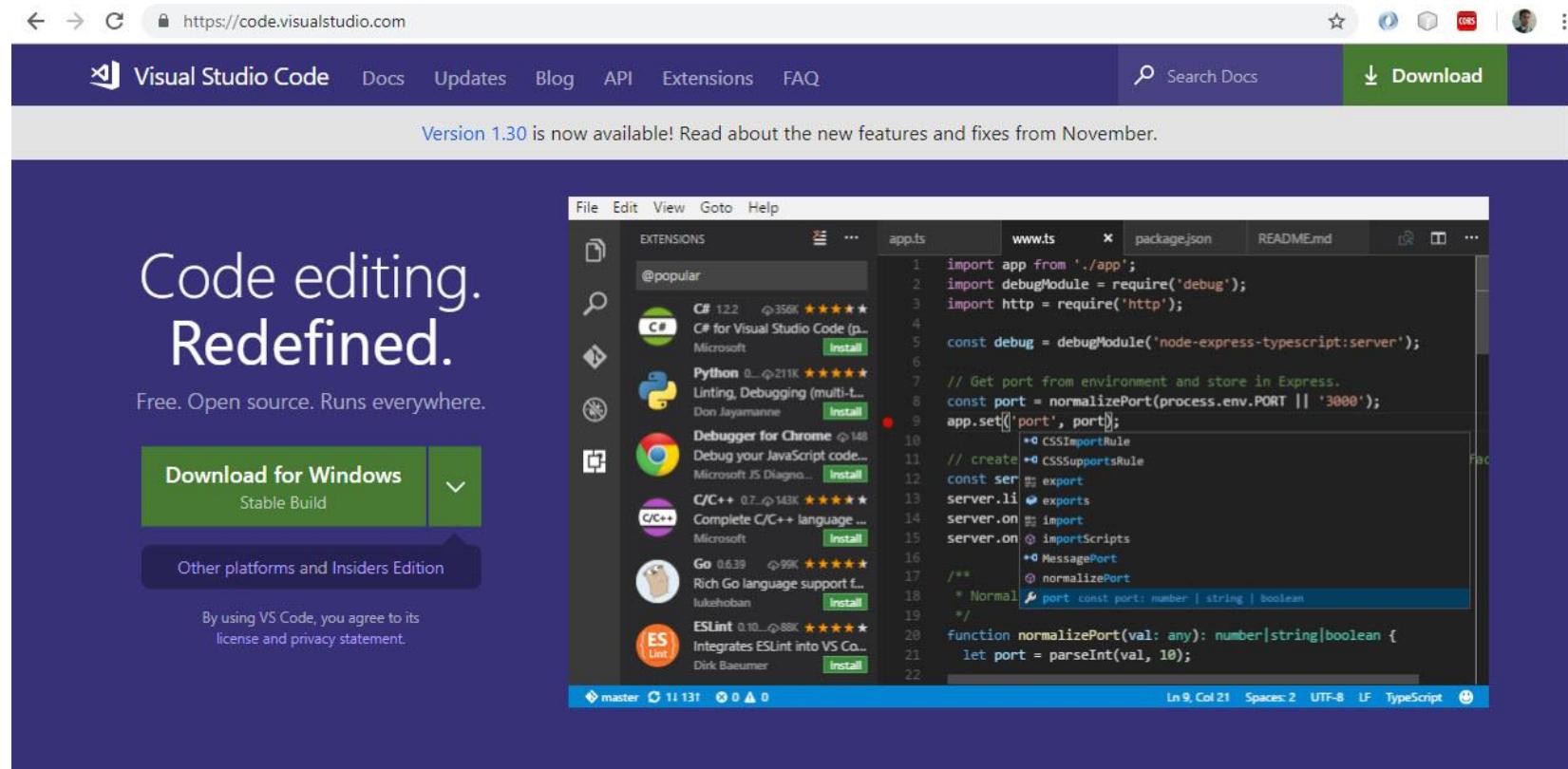
Git



ติดตั้ง Visual Studio Code



ติดตั้ง Visual Studio Code พร้อมส่วนเสริมที่จำเป็น



IntelliSense



Debugging



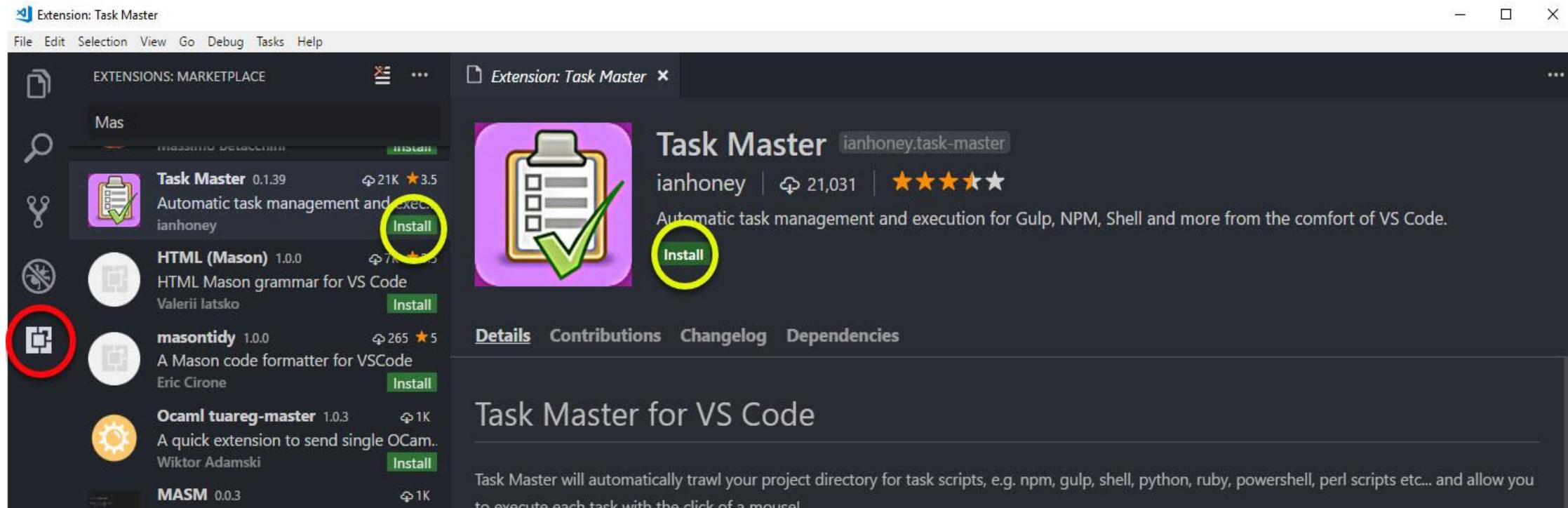
Built-in Git



Extensions

เข้าไปดาวน์โหลด Visual Studio Code ได้ที่ <https://code.visualstudio.com>

การติดตั้งส่วนเสริม (Extension) ของ Visual Studio Code



รายชื่อ Extensions ที่แนะนำสำหรับ VS Code

1. **Beautify** by HookyQR
2. **Color Picker** by anseki
3. **AutoFileName** by JerryHong
4. **vscode-icons** by VSCode Icons Team
5. **ES7 React/Redux/GraphQL/React-Native snippets** by dsznajder
6. **html to JSX** by Riaz Laskar
7. **Prettier - Code formatter** by Prettier
8. **Bracket Pair Colorizer** by CoenraadS
9. **Auto Import** by steoates
10. **One Dark Pro** by binaryify

การตั้งค่า (settings.json) ໃນ VSCode

```
{  
  "emmet.syntaxProfiles": {  
    "javascript": "jsx"  
  },  
  
  "emmet.includeLanguages": {  
    "javascript": "javascriptreact",  
  },  
  
  "emmet.showAbbreviationSuggestions": true,  
  "emmet.showExpandedAbbreviation": "always",  
}
```



ຕັດຕັ້ງ Node JS



Download node js

<https://nodejs.org/en/>

The screenshot shows the official Node.js website at <https://nodejs.org/en/>. The page has a dark header with the Node.js logo and navigation links for HOME, ABOUT, DOWNLOADS, DOCS, GET INVOLVED, SECURITY, CERTIFICATION, and NEWS. A green banner at the top states: "Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine." Below this is a "#BlackLivesMatter" button. A green callout box highlights "New security releases now available for 15.x, 14.x, 12.x and 10.x release lines". Two download buttons are shown: "14.15.4 LTS Recommended For Most Users" and "15.5.1 Current Latest Features". At the bottom, there are links for "Other Downloads | Changelog | API Docs" and "Report Node.js issue | Report website issue | Get Help". The footer includes the OpenJS Foundation logo and copyright information.

Node.js

node

HOME | ABOUT | DOWNLOADS | DOCS | GET INVOLVED | SECURITY | CERTIFICATION | NEWS

Node.js® is a JavaScript runtime built on Chrome's V8 JavaScript engine.

#BlackLivesMatter

New security releases now available for 15.x, 14.x, 12.x and 10.x release lines

Download for Windows (x64)

14.15.4 LTS
Recommended For Most Users

15.5.1 Current
Latest Features

Other Downloads | Changelog | API Docs Other Downloads | Changelog | API Docs

Or have a look at the Long Term Support (LTS) schedule.

OpenJS Foundation

Report Node.js issue | Report website issue | Get Help

www.itge

| สถาบันไอทีจีเนียส

node ส่วนหลังติดตั้งเสร็จ

Node version

```
node -v
```

```
Microsoft Windows [Version 10.0.17763.678]
(c) 2018 Microsoft Corporation. All rights reserved.

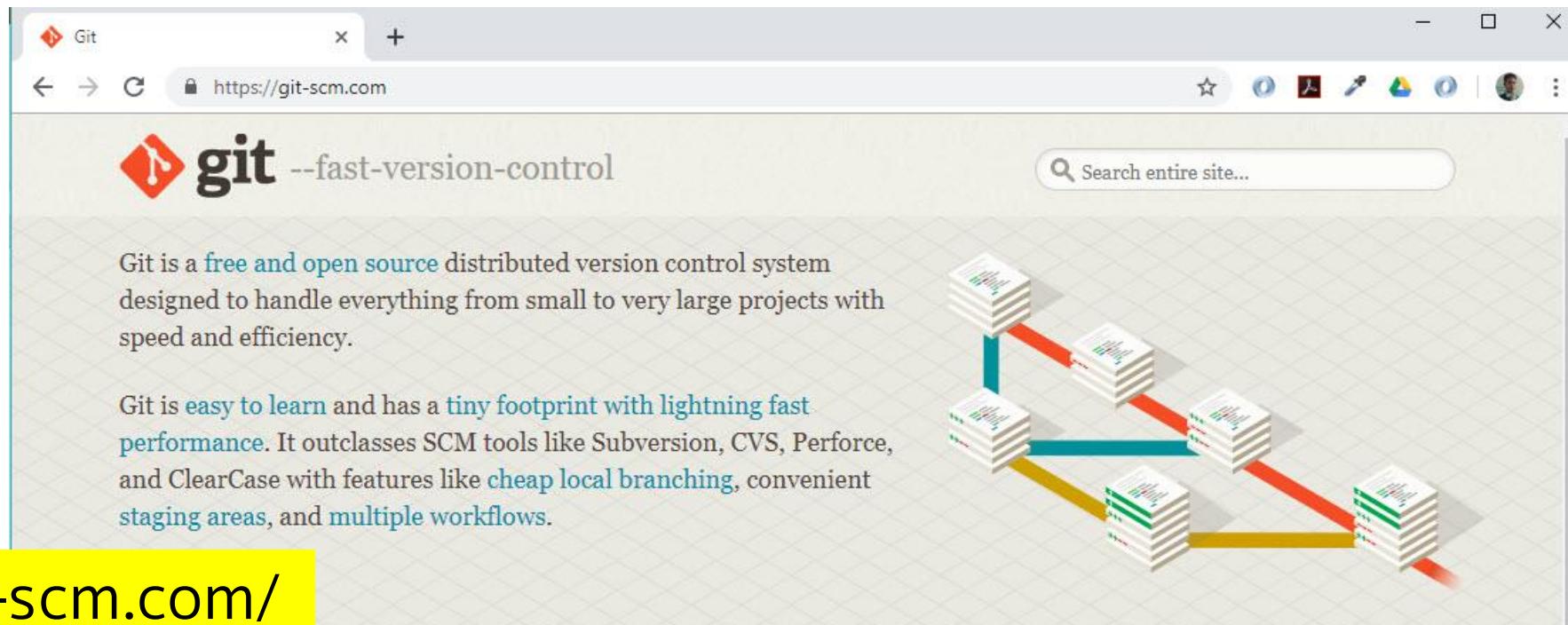
C:\Users\SamitPCGenius>node -v
v12.16.1

C:\Users\SamitPCGenius>
```



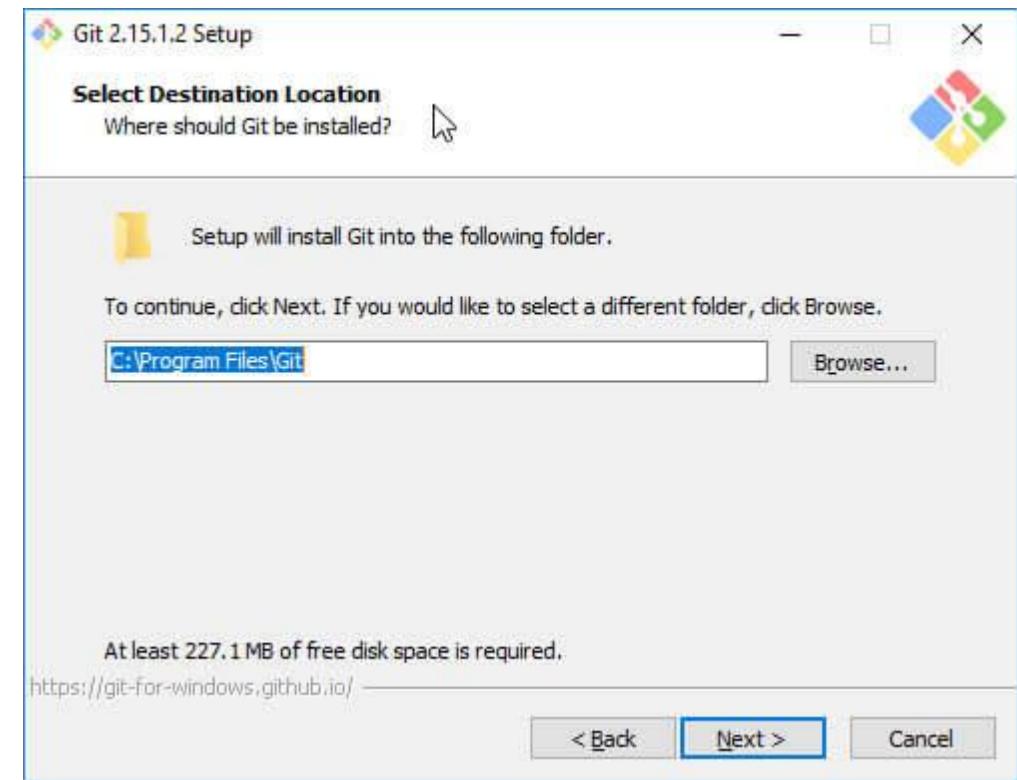
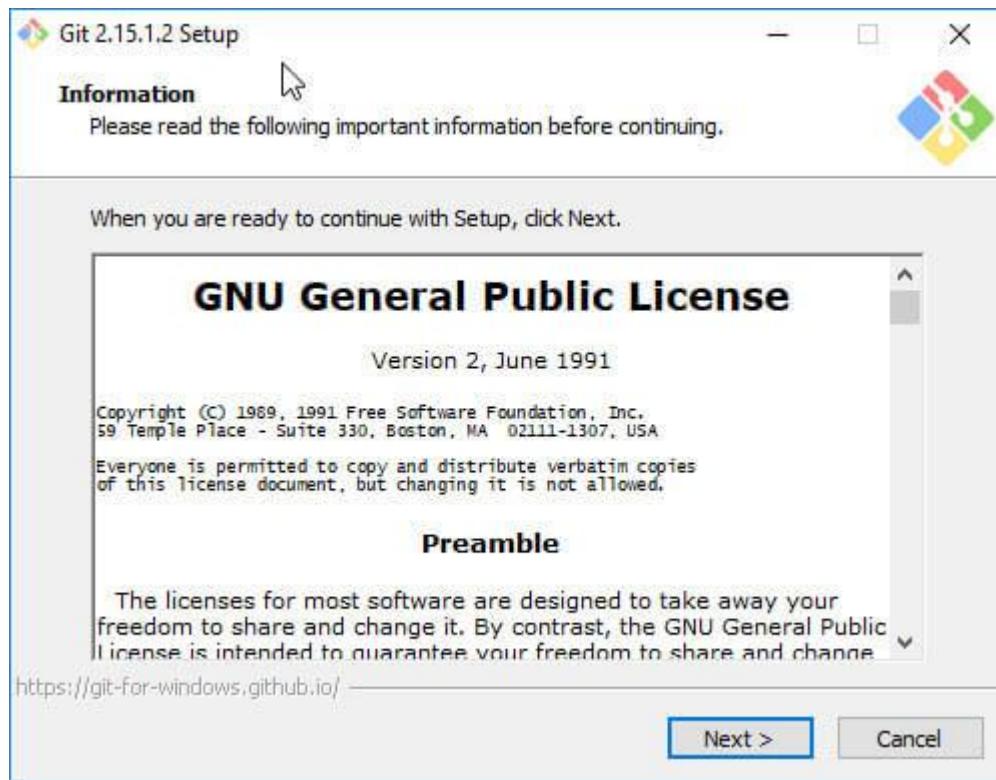
ติดตั้ง git

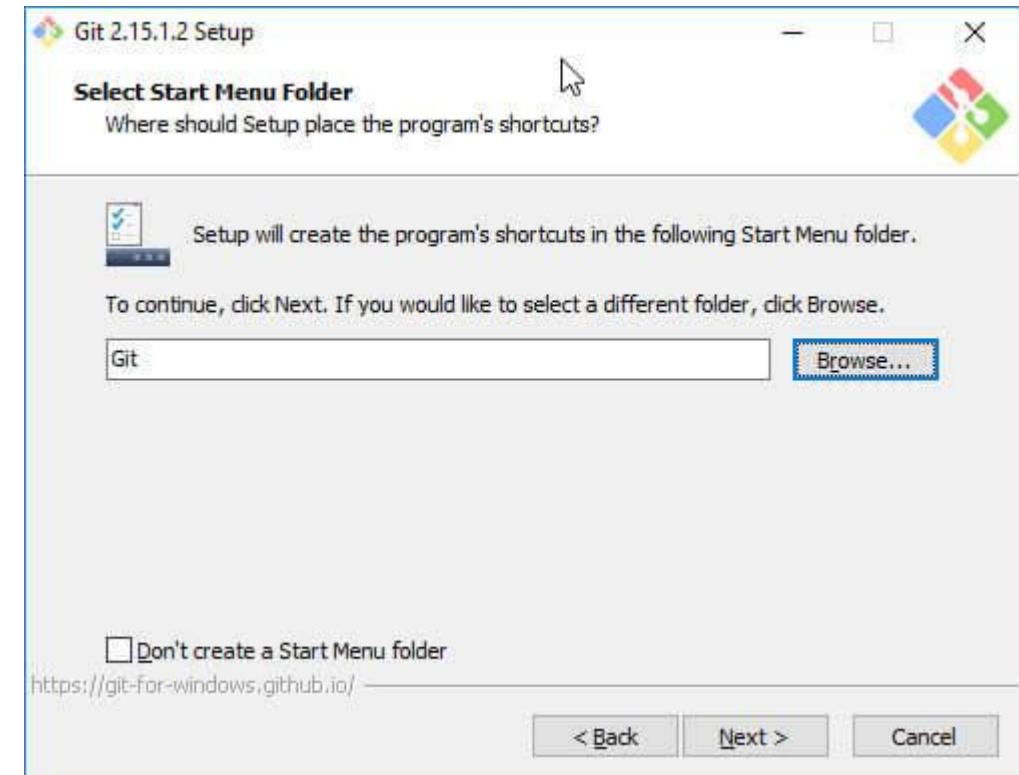
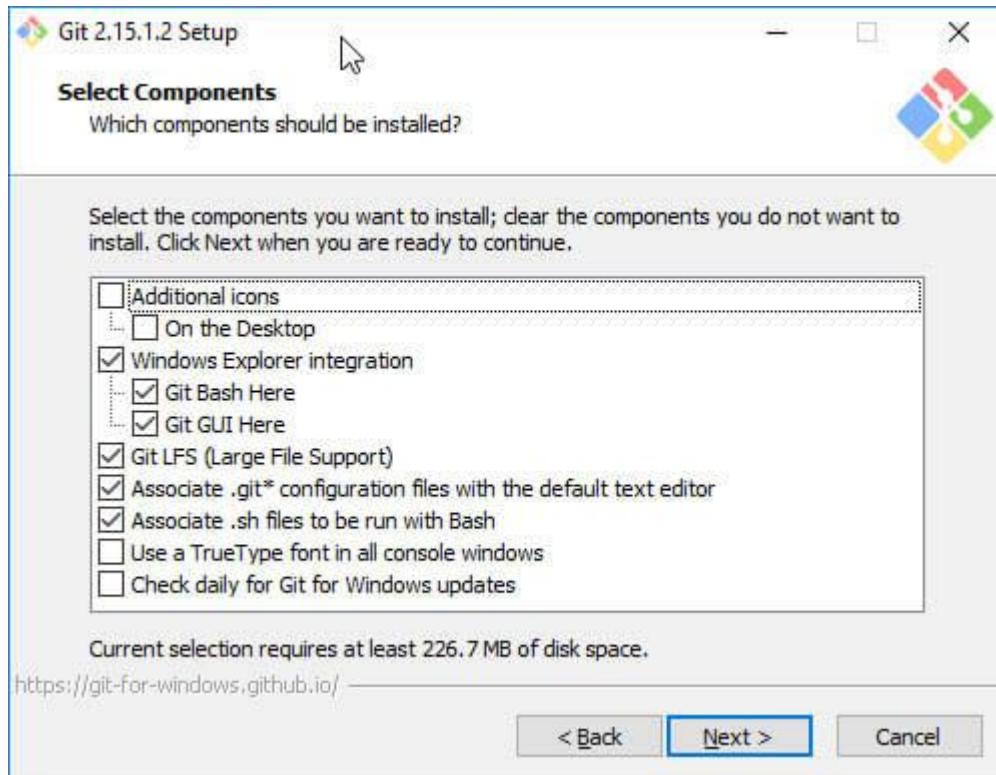


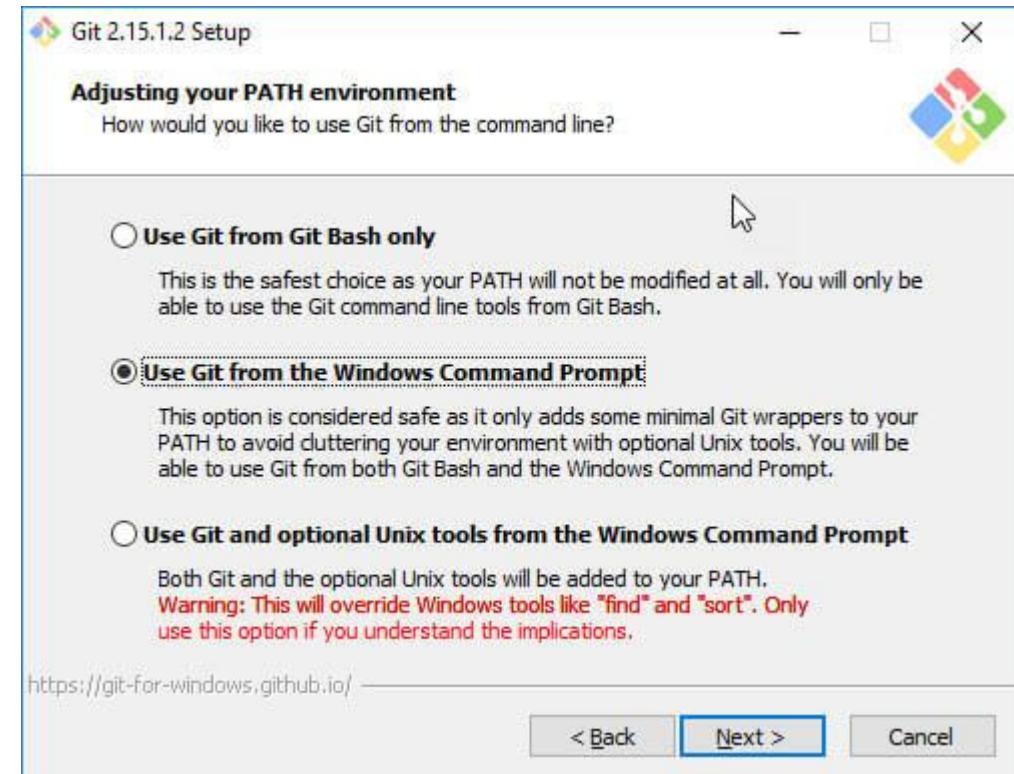
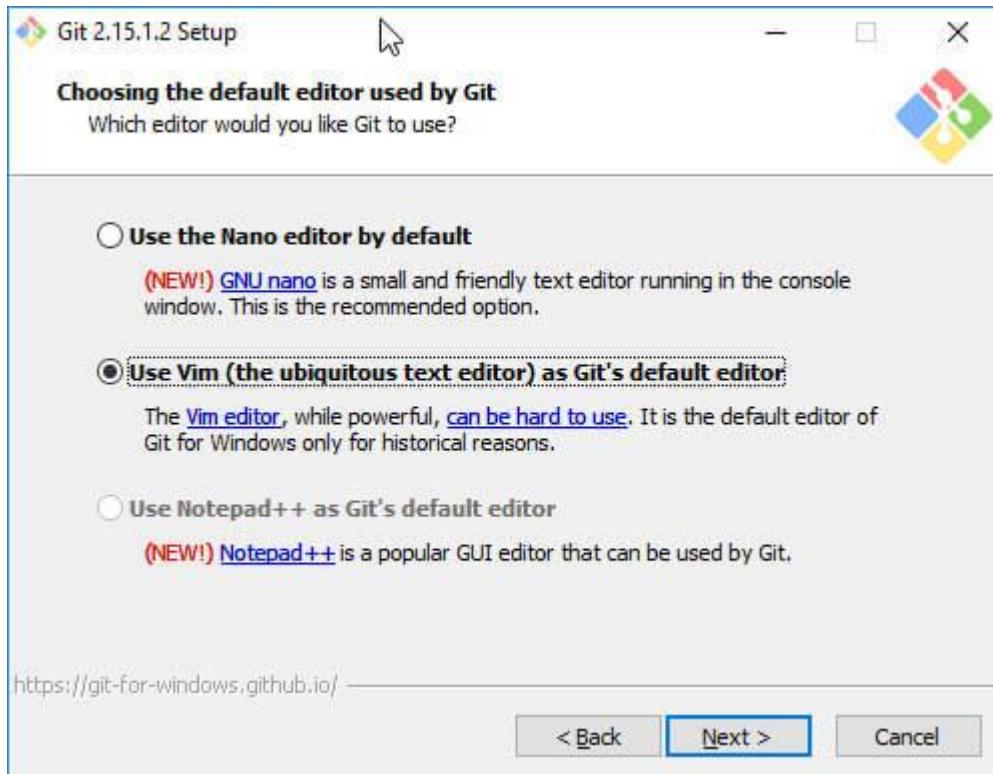


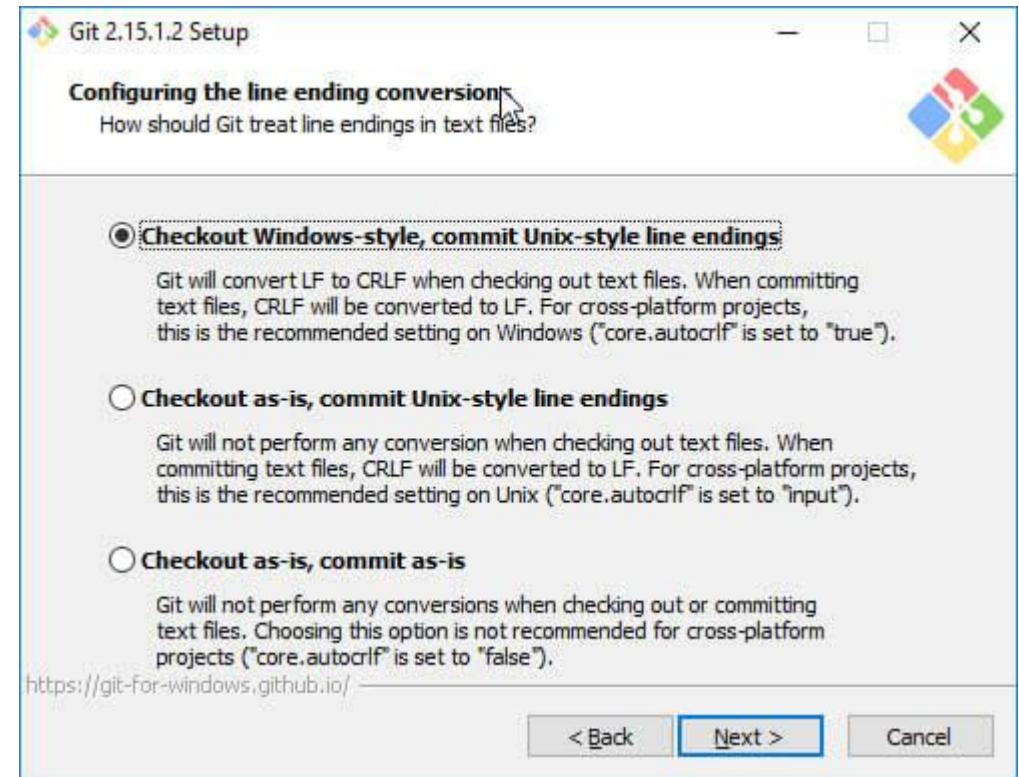
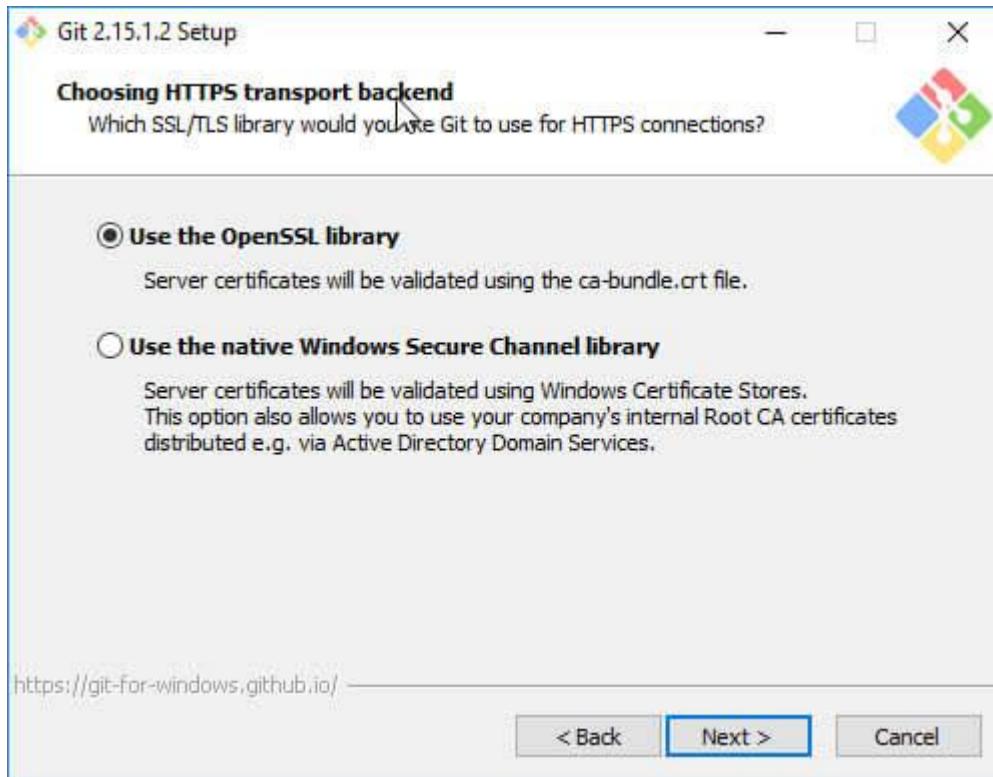
<https://git-scm.com/>

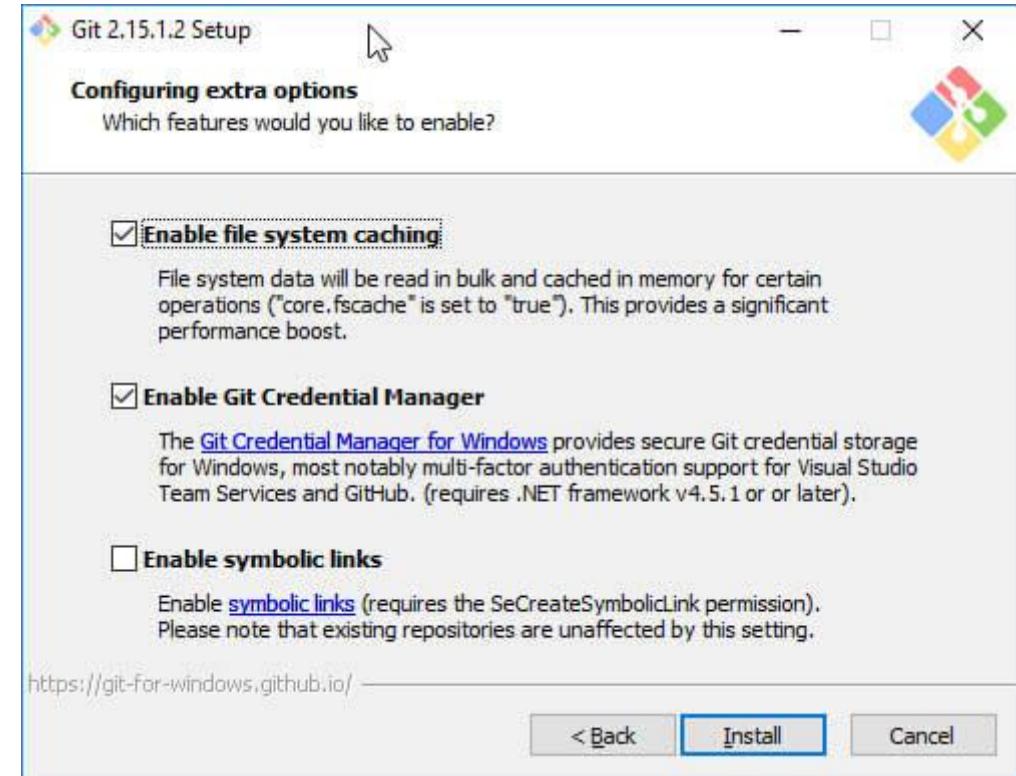
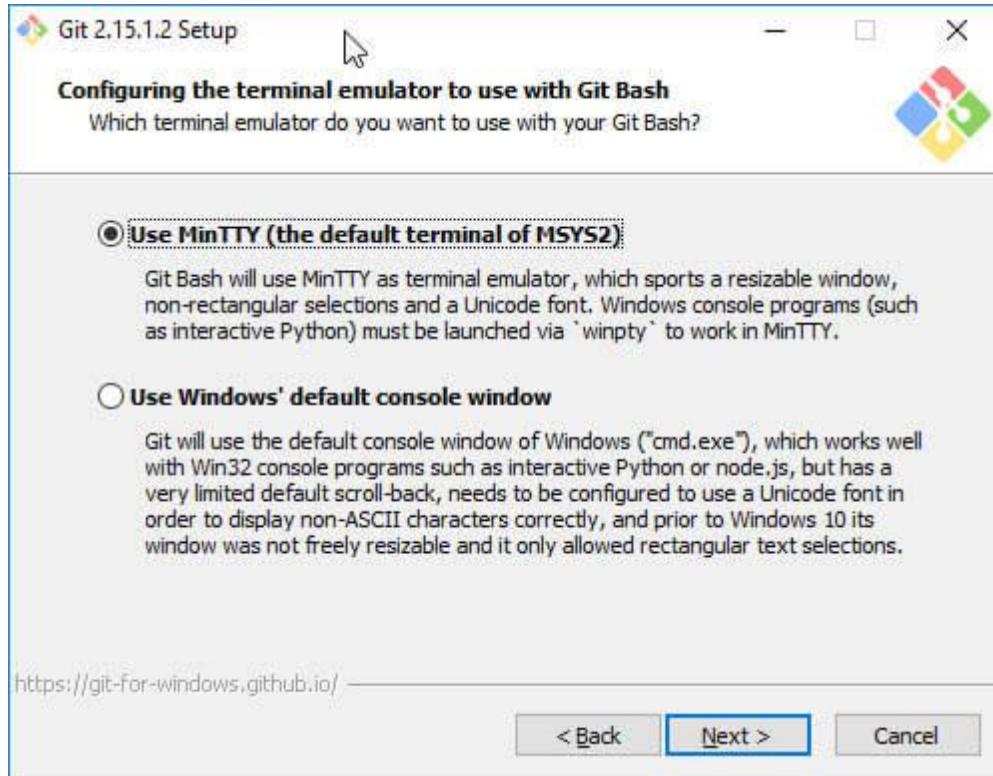
The screenshot shows the official Git website. At the top left is the Git logo (a red diamond with a white 'g'). The title 'git --fast-version-control' is displayed. A search bar is located at the top right. Below the header, there are two main sections of text. The first section describes Git as a free and open source distributed version control system designed for efficiency. The second section highlights its ease of learning, fast performance, and superior features compared to other tools like Subversion, CVS, Perforce, and ClearCase. To the right of the text is a 3D-style diagram showing several white boxes representing repositories connected by red and blue lines, illustrating the distributed nature of Git. On the left side of the main content area, there are four circular icons with text labels: 'About' (gear icon), 'Documentation' (book icon), 'Downloads' (download arrow icon), and 'Community' (speech bubble icon). Below these icons is a link to the Windows download page: <https://git-scm.com/download/win>. On the right side, there is a graphic of a computer monitor displaying the latest source release information: 'Latest source Release 2.22.0' with a 'Release Notes (2019-06-07)' link and a 'Download 2.22.0 for Windows' button with a hand cursor icon.











C:\Windows\system32\cmd.exe

```
C:\Users\samit>git --version  
git version 2.21.0.windows.1  
C:\Users\samit>
```

MINGW64:/c/Users/samit

```
samit@DESKTOP-5KFFN0F MINGW64 ~  
$
```

git version

การตรวจสอบความเรียบร้อยของเครื่องมือที่ติดตั้ง บน Windows และ MacOS

เปิด Command Prompt บน Windows หรือ Terminal บน Mac ขึ้นมาป้อนคำสั่งดังนี้

Node JS

```
node -v  
npm -v  
npx -v
```

Git

```
git --version
```

How to install Next.js

Getting Started

The easy way

You can use **creat-next-app** to get started very quickly.

npm

```
$ npx create-next-app
```



yarn

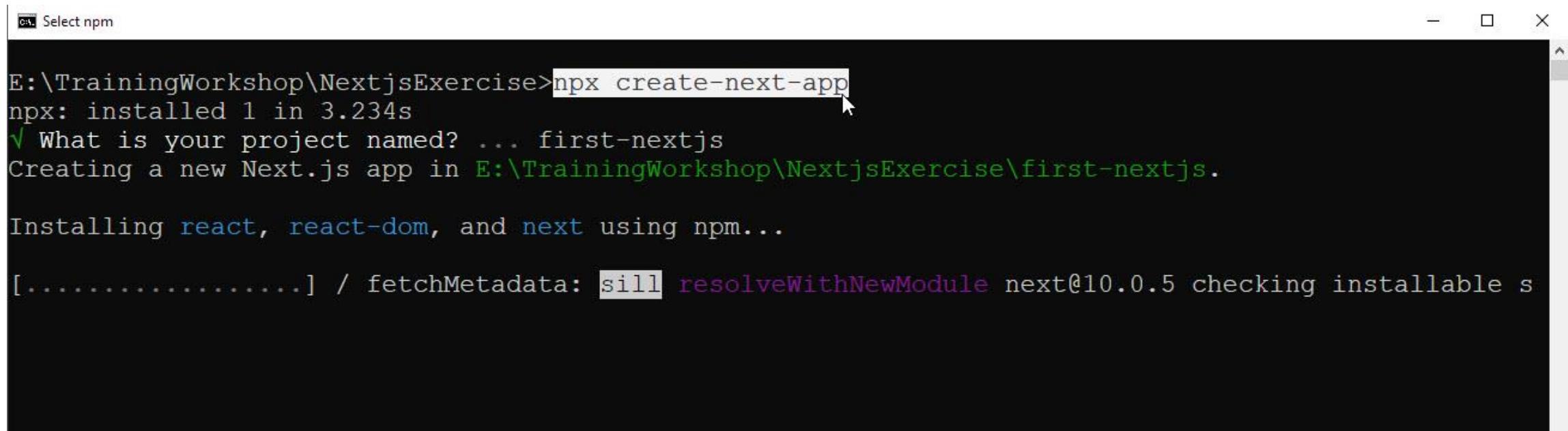
```
$ yarn create-next-app
```



Getting Started

```
$ npx create-next-app
```

```
$ What is your project name? ... first-nextjs
```



The screenshot shows a terminal window titled "Select npm". The command `npx create-next-app` is entered and executed. The terminal then prompts for the project name, which is typed as `first-nextjs`. It then creates a new Next.js app in the specified directory and begins the process of installing dependencies like `react`, `react-dom`, and `next`.

```
E:\TrainingWorkshop\NextjsExercise>npx create-next-app
npx: installed 1 in 3.234s
✓ What is your project named? ... first-nextjs
Creating a new Next.js app in E:\TrainingWorkshop\NextjsExercise\first-nextjs.

Installing react, react-dom, and next using npm...
[.....] / fetchMetadata: sill resolveWithNewModule next@10.0.5 checking installable s
```

```
C:\Windows\system32\cmd.exe
info sharp Creating E:\TrainingWorkshop\NextjsExercise\first-nextjs\node_modules\sharp\build\Release
info sharp Copying DLLs from E:\TrainingWorkshop\NextjsExercise\first-nextjs\node_modules\sharp\vendor\8.10.0\lib to E:\TrainingWorkshop\NextjsExercise\first-nextjs\node_modules\sharp\build\Release
> @ampproject/toolbox-optimizer@2.7.1-alpha.0 postinstall E:\TrainingWorkshop\NextjsExercise\first-nextjs\node_modules\@ampproject\toolbox-optimizer
> node lib/warmup.js

AMP OPTIMIZER Failed downloading latest AMP runtime data. Proxies need to be configured manually, see https://github.com/ampproject/amp-toolbox/tree/main/packages/optimizer#fetch.
+ react-dom@17.0.1
+ react@17.0.1
+ next@10.0.5
added 643 packages from 433 contributors and audited 645 packages in 127.602s

30 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities

Initialized a git repository.

Success! Created first-nextjs at E:\TrainingWorkshop\NextjsExercise\first-nextjs
Inside that directory, you can run several commands:

  npm run dev
    Starts the development server.

  npm run build
    Builds the app for production.

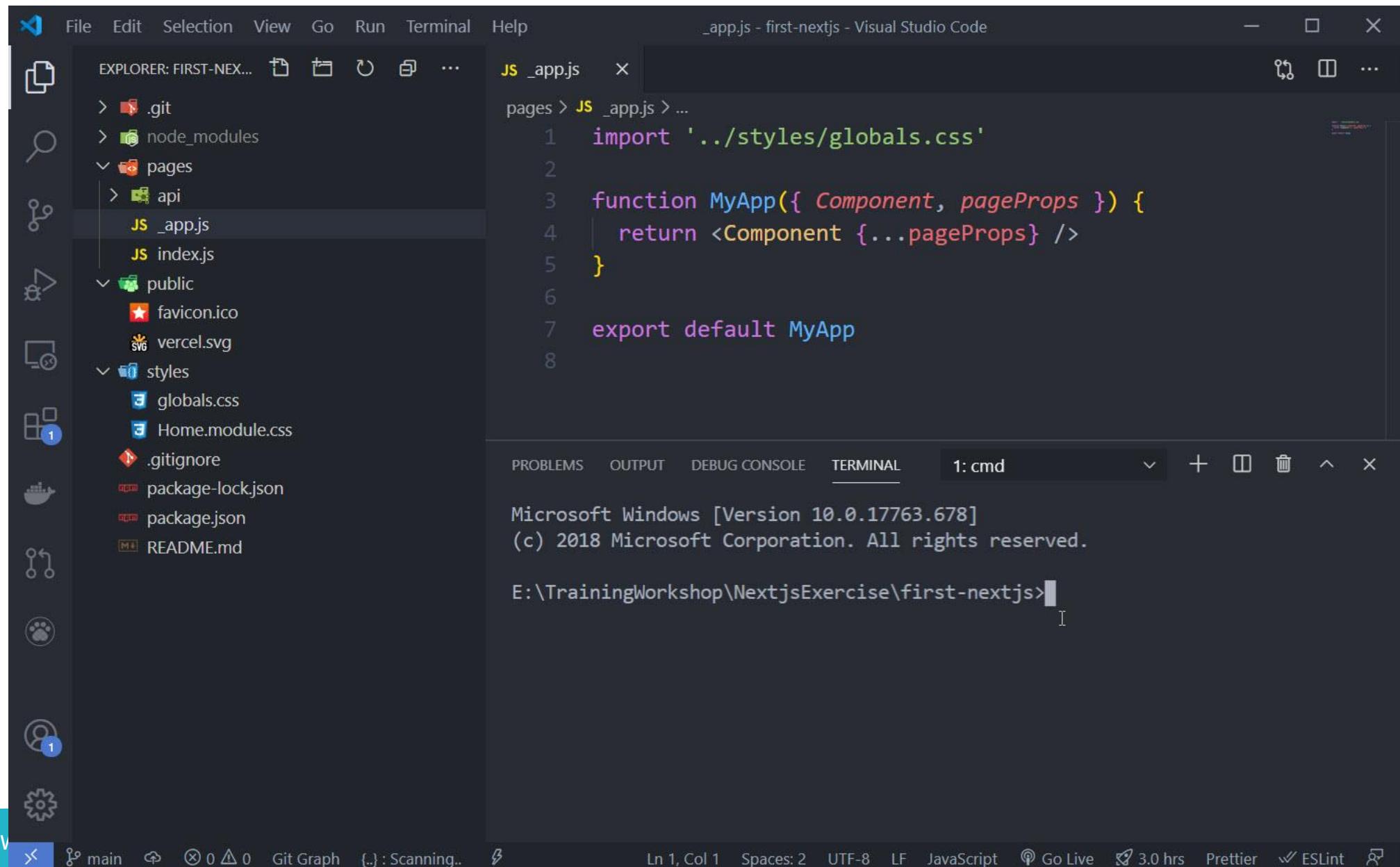
  npm start
    Runs the built app in production mode.

We suggest that you begin by typing:

  cd first-nextjs
  npm run dev

E:\TrainingWorkshop\NextjsExercise>
```

Open your project in VSCode



ໄວກົຈິເນຍສ

Run next.js project

\$ npm run dev

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
1: node

E:\TrainingWorkshop\NextjsExercise\first-nextjs>npm run dev

> first-nextjs@0.1.0 dev E:\TrainingWorkshop\NextjsExercise\first-nextjs
> next dev

ready - started server on http://localhost:3000
event - compiled successfully
Attention: Next.js now collects completely anonymous telemetry regarding usage.
This information is used to shape Next.js' roadmap and prioritize features.
You can learn more, including how to opt-out if you'd not like to participate in this anonymous program, by visiting the following URL:
https://nextjs.org/telemetry
```



Welcome to Next.js!

Get started by editing `pages/index.js`

Documentation →

Find in-depth information about Next.js features and API.

Learn →

Learn about Next.js in an interactive course with quizzes!

Examples →

Discover and deploy boilerplate example Next.js projects.

Deploy →

Instantly deploy your Next.js site to a public URL with Vercel.



Powered by ▲Vercel

Next.js 10.x នាស់ទូទៅ Node.js 14.x

The screenshot shows a Visual Studio Code interface with a dark theme. The Explorer sidebar on the left lists the project structure:

- OPEN EDITORS: package.json
- MY-PORTFOLIO:
 - .next
 - node_modules
 - pages
 - api
 - _app.js
 - about.js
 - index.js
 - public
 - favicon.ico
 - vercel.svg
 - styles
 - globals.css
 - Home.module.css
 - .gitignore
 - package-lock.json
 - package.json
 - README.md

package.json - my-portfolio - Visual Studio Code

```
1  {
2    "name": "my-portfolio",
3    "version": "0.1.0",
4    "private": true,
5    "scripts": {
6      "dev": "next dev",
7      "build": "next build",
8      "start": "next start"
9    },
10   "dependencies": [
11     "next": "10.0.5",
12     "react": "17.0.1",
13     "react-dom": "17.0.1"
14   ]
15 }
16 }
```

C:\WINDOWS\system32\cmd.exe

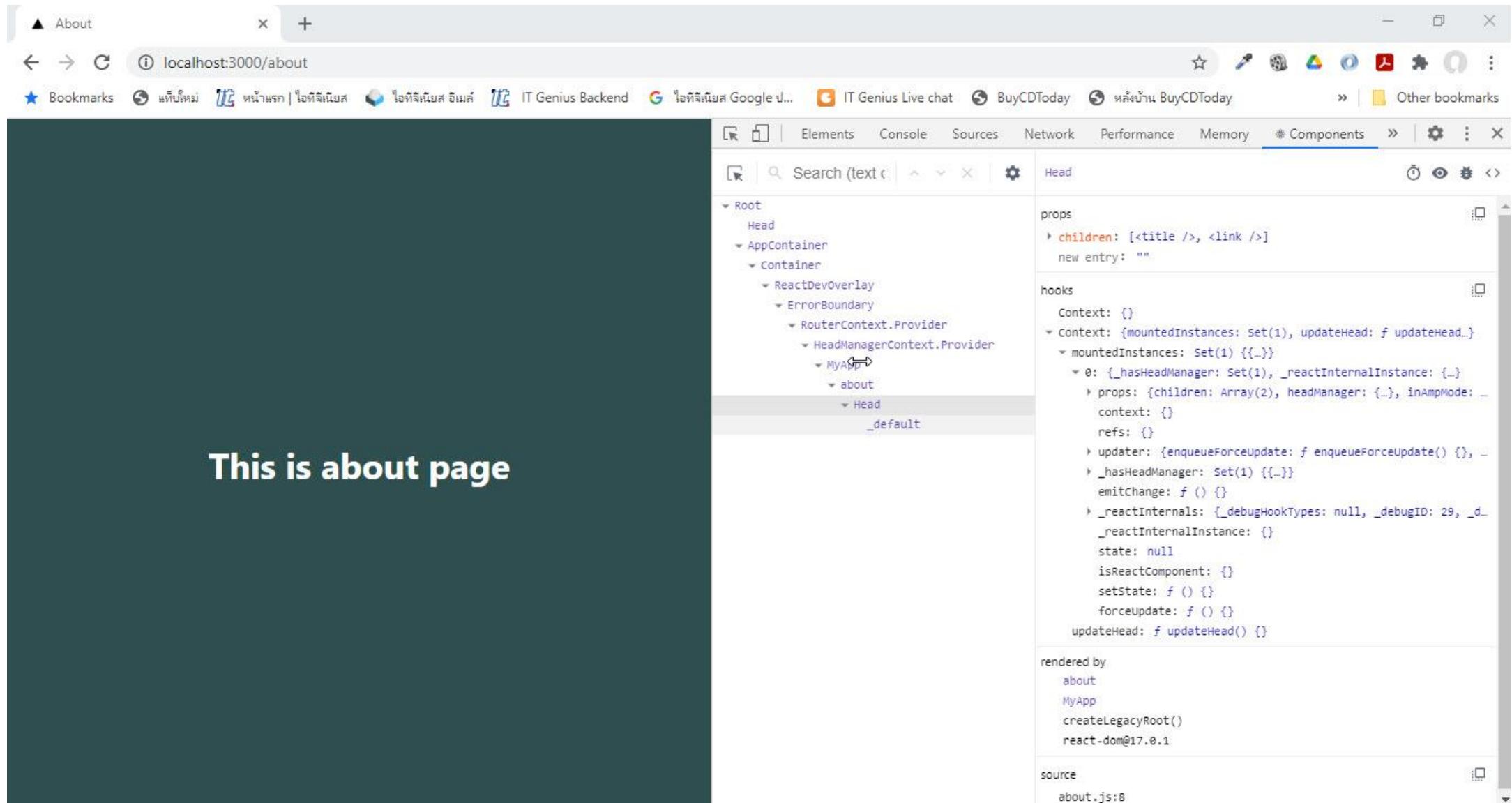
```
C:\Users\samit>node -v
v14.15.4

C:\Users\samit>
```

TERMINAL

```
event - build page: /about
wait - compiling...
event - compiled successfully
```

Next.js 10.x នាសອបុំ Node.js 14.x



File Structure Explained

EXPLORER

FIRST-NEXTJS

- > .git
- > .next
- > node_modules
- > pages
 - > api
 - JS _app.js
 - JS index.js
 - > public
 - ★ favicon.ico
 - SVG vercel.svg
 - > styles
 - 3 globals.css
 - 3 Home.module.css
 - .gitignore
 - package-lock.json
 - package.json
 - README.md

package.json X

package.json > ...

```
1  {
2      "name": "first-nextjs",
3      "version": "0.1.0",
4      "private": true,
5      ▶ Debug
6      "scripts": {
7          "dev": "next dev",
8          "build": "next build",
9          "start": "next start"
10     },
11     "dependencies": {
12         "next": "10.0.5",
13         "react": "17.0.1",
14         "react-dom": "17.0.1"
15     }
16 }
```

JS _app.js X

pages > **JS** _app.js > ...

```
1 import './styles/globals.css'  
2  
3 function MyApp({ Component, pageProps }) {  
4   return <Component {...pageProps} />  
5 }  
6  
7 export default MyApp  
8 [
```

pages > JS index.js > Home

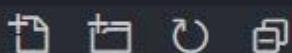
```
1 import Head from 'next/head'
2 import styles from '../styles/Home.module.css'
3
4 export default function Home() {
5   return (
6     <div className={styles.container}>
7       <Head>
8         <title>Create Next App</title>
9         <link rel="icon" href="/favicon.ico" />
10      </Head>
11      ...
12      <main className={styles.main}>
13        <h1 className={styles.title}>
14          Welcome to <a href="https://nextjs.org">Next.js!</a>
15        </h1>
16      </main>
17    </div>
18  )
19}
```



EXPLORER

...

globals.css X



styles > globals.css > html

FIRST-NEXTJS



.git



.next



node_modules



pages



api



_app.js



index.js



public



favicon.ico



vercel.svg



styles



globals.css



Home.module.css



.gitignore



package-lock.json



package.json



README.md

```
9  a {  
10    color: inherit;  
11    text-decoration: none;  
12  }  
13  
14  * {  
15    box-sizing: border-box;  
16  }  
17
```

The screenshot shows the Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help
- Title Bar:** Home.module.css - first-nextjs - Visual Studio Code
- Explorer:** Shows the project structure under "FIRST-NEXTJS".
 - .git
 - .next
 - node_modules
 - pages
 - api (`_app.js`, `index.js`)
 - public
 - favicon.ico
 - vercel.svg
 - styles
 - globals.css
 - Home.module.css
 - .gitignore
 - package-lock.json
 - package.json
 - README.md
- Editor:** The "Home.module.css" file is open at line 66. The code defines two CSS classes: ".grid" and ".grid".

```
background: #fafafa;
border-radius: 5px;
padding: 0.75rem;
font-size: 1.1rem;
font-family: Menlo, Monaco, Lucida Console, Liberation Mono, DejaVu Sans Mono,
Bitstream Vera Sans Mono, Courier New, monospace;

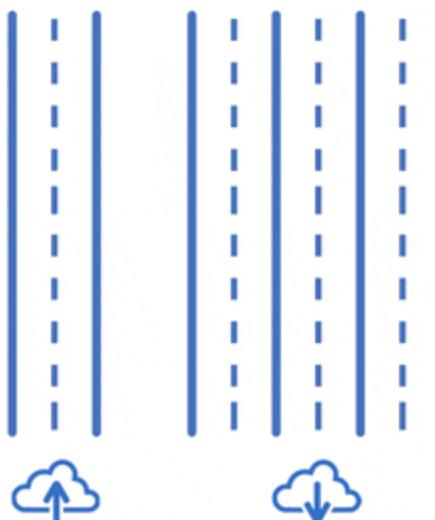
.grid {
  display: flex;
  align-items: center;
  justify-content: center;
  flex-wrap: wrap;
  max-width: 800px;
  margin-top: 3rem;
```

Auto Routing in Next.js

The “internet as a freeway” analogy

Think of a network's upload/download speeds (MBPS) like lanes on a freeway.

Typically, there are more “lanes” for downloading than for uploading.



This has become a problem recently, because cloud-based services upload and download data at the same time.

Mashable



EXPLORER

FIRST-NEXTJS

- > .git
- > .next
- > node_modules
- ✓ pages
 - > api
 - JS _app.js
 - JS help.js
 - JS index.js
- ✓ public
 - favicon.ico
 - vercel.svg
- > styles
 - .gitignore
 - package-lock.json
 - package.json
- README.md

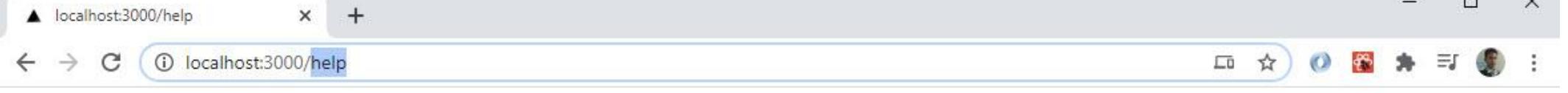
...

JS help.js

X

pages > JS help.js > [?] default

```
1 import React from 'react'
2 import styles from '../styles/Home.module.css'
3
4 function help() {
5     return (
6         <div className={styles.container}>
7             <h1>This is help page</h1>
8         </div>
9     )
10 }
11
12 export default help
```



This is help page



EXPLORER

FIRST-NEXTJS



JS dashboard.js X

pages > backend > JS dashboard.js > dashboard

```
1 import React from 'react'  
2  
3 function dashboard() {  
4   return (  
5     <div className={styles.container}>  
6       <h1>This is dashboard page</h1>  
7     </div>  
8   )  
9 }  
10  
11 export default dashboard  
12
```

```
> .git  
> .next  
> node_modules  
> pages  
> api  
> backend  
  JS dashboard.js  
  JS _app.js  
  JS help.js  
  JS index.js  
> public  
  favicon.ico  
  vercel.svg  
> styles  
  .gitignore  
  package-lock.json  
  package.json  
 README.md
```



EXPLORER



FIRST-NEXTJS

- > .git
- > .next
- > node_modules
- ✓ pages
 - > api
 - ✓ backend
 - JS dashboard.js
 - JS report.js
 - JS _app.js
 - JS help.js
 - JS index.js
 - ✓ public
 - favicon.ico
 - vercel.svg
 - > styles
 - .gitignore
 - package-lock.json
 - package.json
 - ME README.md

...

JS report.js X

pages > backend > JS report.js > ...

```
1 import React from 'react'
2
3 function report() {
4   return (
5     <div className={styles.container}>
6       <h1>This is report page</h1>
7     </div>
8   )
9 }
10
11 export default report
12
```



This is dashboard page



This is report page

Public or Static Folder for Images





EXPLORER

...

JS index.js

X

pages > JS index.js > Home

```
5   return (
6     <div className={styles.container}>
7       <Head>
8         <title>Create Next App</title>
9         <link rel="icon" href="/favicon.ico" />
10      </Head>
11      <h1>This is index page</h1>
12      
13      
14    </div>
15  )
16 }
17 }
```



FIRST-NEXTJS



.git



.next



node_modules



pages

•



api



backend

•

dashboard.js



report.js



_app.js



help.js



index.js

M



public



images

•

itgenius_logo.png



favicon.ico



vercel.svg

styles

.gitignore

package-lock.json

package.json

README.md

This is index page



Styles JSX

Styled JSX

```
<div>
  <h1 className="title">Hello Next.js</h1>
  <style jsx>
    {
      .title{
        color:red
      }
    }
  </style>
</div>
```

A screenshot of the Visual Studio Code interface showing a Next.js application named "FIRST-NEXTJS".

The Explorer sidebar shows the project structure:

- .git
- .next
- node_modules
- pages
 - api
 - _app.js
 - index.js
- public
- .gitignore
- package-lock.json
- package.json
- README.md

The "index.js" file in the "pages" directory is open in the editor, displaying the following code:

```
// Styled-JSX
function Home() {
  return (
    <div>
      <h1 className="title">Hello Next.js</h1>
      <style jsx>
        {
          .title{
            color:red
          }
        }
      </style>
    </div>
  )
}
export default Home
```

The terminal at the bottom shows the build process:

```
wait - compiling...
event - compiled successfully
wait - compiling...
event - compiled successfully
wait - compiling...
event - compiled successfully
```

The browser preview window shows the output: "Hello Next.js" in red.

A screenshot of the Visual Studio Code interface showing a Next.js application named "FIRST-NEXTJS".

The Explorer sidebar on the left shows the project structure:

- .git
- .next
- node_modules
- pages
 - api
 - _app.js
 - index.js
- public
- .gitignore
- package-lock.json
- package.json
- README.md

The current file is "index.js" located at `pages > JS index.js > Home`. The code uses `Stylized-JSX` to define a `Heading` component and a `Home` page.

```
// Stylized-JSX
function Heading(props){
  return (
    <div>
      <h1>{props.heading}</h1>
      <style jsx>
        {
          h1{
            color:red;
          }
        }
      </style>
    </div>
  )
}

function Home() {
  return (
    <div>
      <Heading heading="Hello Next.js" />
      <h1>Welcome</h1>
    </div>
  )
}

export default Home
```

The browser preview on the right shows the output of the code:

Hello Next.js

Welcome

The browser title bar indicates the page is running at `localhost:3000`.

File Edit Selection View Go Run Terminal Help index.js - first-nextjs - Visual Studio Code ▲ localhost:3000

EXPLORER JS index.js pages > JS index.js > Heading

```
// Styled-JSX
function Heading(props){
  return (
    <div>
      <h1>{props.heading}</h1>
      <style jsx global>
        {
          h1{
            color:red;
          }
        }
      </style>
    </div>
  )
}

function Home() {
  return (
    <div>
      <Heading heading="Hello Next.js" />
      <h1>Welcome</h1>
    </div>
  )
}
```

localhost:3000

Hello Next.js

Welcome

Java Projects

Spring Boot Dashboard

module2* 0 0 Git Graph Scanning.. UTF-8 LF JavaScript Go Live 47 min Prettier ESLint

ກ່າວເນື້ອສ

A screenshot of the Visual Studio Code interface displaying a Next.js application. The left sidebar shows file navigation, and the main editor area contains the code for a component named `Heading`. The code uses `Stylized-JSX` to conditionally change the color of an `H1` heading based on a random value. The right side shows the browser preview at `localhost:3000`, where the heading is displayed in either red or blue.

```
// Stylized-JSX
function Heading(props){
  const variables = Math.random() > 0.5 ? 'red': 'blue'
  return (
    <div>
      <h1>{props.heading}</h1>
      <style jsx global>
        {
          h1{
            color:${variables};
          }
        }
      </style>
    </div>
  )
}
```

Global Styles

A screenshot of the Visual Studio Code interface. The title bar shows "global.css - first-nextjs - Visual Studio Code". The left sidebar (Explorer) displays the project structure under "FIRST-NEXTJS": .git, .next, node_modules, pages (with api, _app.js, global.css, index.js), public, .gitignore, package-lock.json, package.json, and README.md. There are 8 untracked files indicated by a blue circle with the number 8. The main editor area shows the "global.css" file with the following content:

```
1 .into{  
2     background-color: #089033;  
3     color: #ffffff  
4 }
```

The screenshot shows a Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** _app.js - first-nextjs - Visual Studio Code.
- Left Sidebar (Explorer):** Shows the project structure under "FIRST-NEXTJS".
 - .git
 - .next
 - node_modules
 - pages
 - api
 - _app.js (marked with M)
 - global.css (marked with U)
 - index.js (marked with M)
 - public
 - .gitignore
 - package-lock.json
 - package.json
 - README.md
- Code Editor:** The file _app.js is open, showing the following code:

```
1 import './global.css';
2
3 function MyApp({ Component, pageProps }) {
4   return <Component {...pageProps} />
5 }
6
7 export default MyApp
```
- Right Sidebar:** Shows a preview of the code output.



File Edit Selection View Go Run Terminal Help

index.js - first-nextjs - Visual Studio Code

- □ ×



EXPLORER

...

global.css

JS _app.js

JS index.js

...

FIRST-NEXTJS

> .git
> .next
> node_modules
● <pages>
| > api
| JS _app.js
| global.css
| JS index.js
> public
| .gitignore
| package-lock.json
| package.json
| README.md

pages > JS index.js > Home

```
7 <style jsx global>
8   {
9     h1{
10       color:${variables};
11     }
12   }
13 </style>
14 </div>
15 )
16 }
17
18 function Home() {
19   return (
20     <div>
21       <Heading heading="Hello Next.js" />
22       <h1>Welcome</h1>
23       <p className="into">Lorem ipsum dolor sit a
24     </div>
25   )
26 }
27
28 export default Home
```

ວກຈິເນີຍສ



CSS Modules

The screenshot shows a Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** index.module.css - first-nextjs - Visual Studio Code.
- Explorer View:** Shows a project structure for "FIRST-NEXTJS".
 - Root: .git, .next, node_modules
 - pages: api, _app.js (M), global.css (U), index.js (M), index.module.css (U)
 - public: .gitignore, package-lock.json, package.json
 - README.mdA blue circular badge with the number "9" is visible next to the "pages" folder icon.
- Code Editor:** The file "index.module.css" is open, showing the following CSS code:

```
1 .head_title{  
2     color: orange  
3 }
```

The ".head_title" class is highlighted in yellow. The "color: orange" rule is also highlighted in yellow. The closing brace "}" is highlighted in yellow.
- Right Side:** Includes standard VS Code icons for search, file operations, and other settings.

The screenshot shows a Visual Studio Code interface with the following details:

- File Bar:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** index.js - first-nextjs - Visual Studio Code.
- Explorer View:** Shows the project structure under "FIRST-NEXTJS".
 - .git
 - .next
 - node_modules
 - pages (marked with 9):
 - api
 - _app.js
 - global.css
 - index.js (selected)
 - index.module.css
 - public
 - .gitignore
 - package-lock.json
 - package.json
 - README.md
- Code Editor:** The file "index.js" is open, showing the following code:

```
import styles from './index.module.css'

// Styled-JSX
function Heading(props){
  return (
    <div>
      <h1 className={styles.head_title}>{props.h}
```

The line `<h1 className={styles.head_title}>{props.h}` has a yellow lightbulb icon indicating a suggestion or error.
- Right Panel:** Shows a preview of the page and other status information.

The screenshot shows a development environment with a code editor and a browser window.

Code Editor:

- File tabs: index.css, JS index.js (active), JS _app.js
- Code content (index.js):

```
pages > JS index.js > ⚡ Heading
1 | import './index.css'
2 |
3 | // Styled-JSX
4 | function Heading(props){
5 |   return (
6 |     <div>
7 |       <h1 className="head_title">{props.heading}</h1>
8 |     </div>
9 |   )
10 |
11 }
```

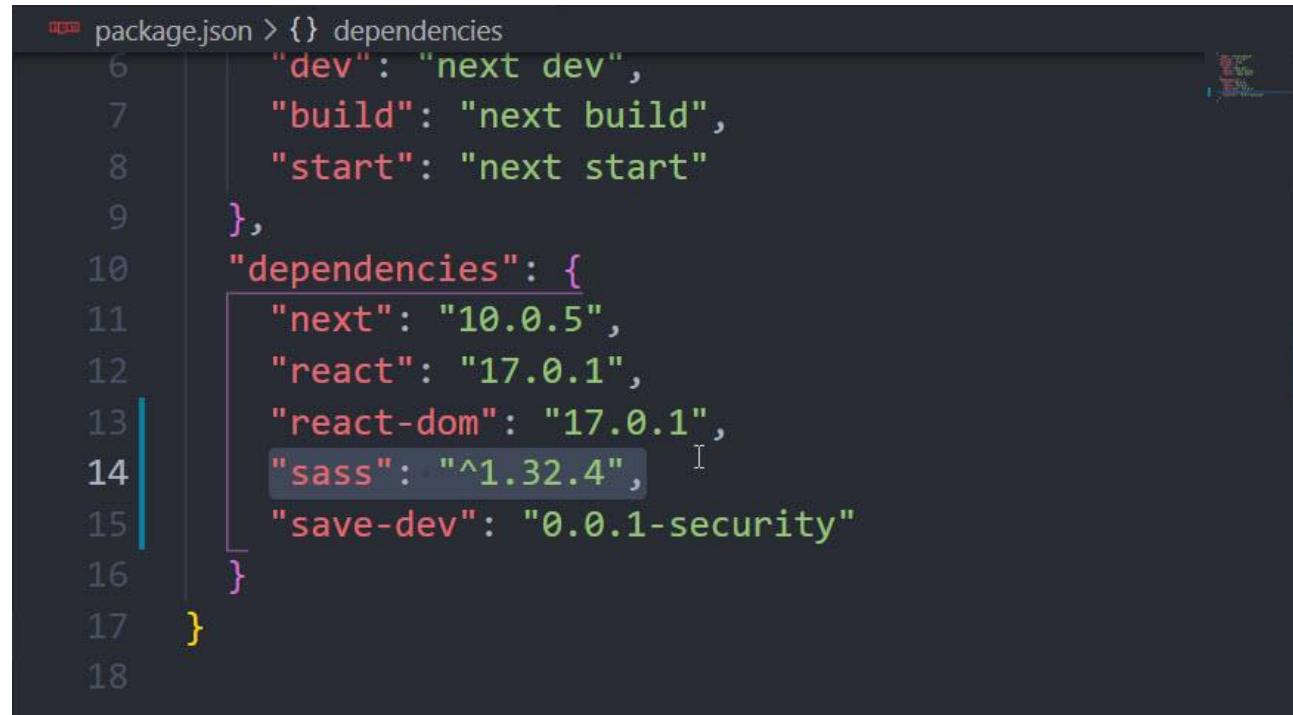
Browser Output:

- Address bar: localhost:3000
- Message: Failed to compile
- Details:
 - ./pages/index.css
 - Global CSS **cannot** be imported from files other than your **Custom <App>**. Please move all global CSS imports to `pages_app.js`. Or convert the import to Component-Level CSS (CSS Modules).
 - Read more: <https://err.sh/next.js/css-global>
 - Location: `pages\index.js`
- Note: This error occurred during the build process and can only be dismissed by fixing the error.

Sass Modules

ติดตั้ง Sass

```
npm install sass --save-dev
```



```
package.json > {} dependencies
  6   "dev": "next dev",
  7   "build": "next build",
  8   "start": "next start"
  9 },
10 "dependencies": {
11   "next": "10.0.5",
12   "react": "17.0.1",
13   "react-dom": "17.0.1",
14   "sass": "^1.32.4",           I
15   "save-dev": "0.0.1-security"
16 }
17 }
18 }
```

สร้างไฟล์ Sass (demo.module.scss)

The screenshot shows the Visual Studio Code interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help
- Title Bar:** demo.module.scss - first-nextjs - Visual Studio Code
- Explorer Sidebar:** Shows the project structure under "FIRST-NEXTJS".
 - .git
 - .next
 - node_modules
 - pages
 - api
 - _app.js
 - demo.module.scss (highlighted with a cursor icon)
 - global.css
 - index.js
 - index.module.css
 - public
 - .gitignore
 - package-lock.json
 - package.json
- Editor Area:** The file "demo.module.scss" is open, showing the following code:

```
1 .greeting{  
2     background-color: brown;  
3     font-size: 30px;  
4     color: #ffffff;  
5 }
```



JS index.js X



pages > JS index.js > ...

```
1 import styles from './index.module.css'
2 import customstyle from './demo.module.scss'
3
4 // Styled-JSX
5 function Heading(props){
6   return (
7     <div>
8       <h1 className={styles.head_title}>{props.heading}</h1>
9       <h2 className={customstyle.greeting}>This is from Sass style</h2>
10      </div>
11    )
12  }
13
```



Hello Next.js

This is from Sass style

Welcome

*Consectetur adipisci velit. Itaque et culpa necessitatibus? Fuga
aspernatur sunt commodi, quaerat a excepturi enim ut laboriosam, sapiente optio iusto tempore
omnis corrupti odit deserunt.*

File Structure

File Edit Selection View Go Run Terminal Help info.module.scss - first-nextjs - Visual Studio Code

EXPLORER ... info.module.scss × JS index.js

pages > info > info.module.scss > .heading

```
1 .heading{  
2   font-size: 40px;  
3   color: green;  
4   font-style: italic;  
5 }
```

FIRST-NEXTJS .git .next node_modules 14 pages api info index.js info.module.scss _app.js demo.module.scss global.css index.js index.module.css public .gitignore package-lock.json package.json README.md

PROBLEMS OUTPUT TERMINAL ... 1: node

Syntax error: Selector "p" is not pure (pure selectors must contain at least one local class or id)



EXPLORER

...

info.module.scss

JS index.js

X



...

FIRST-NEXTJS

- > .git
- > .next
- > node_modules
- 14 > pages
 - > api
 - ✓ info
 - JS index.js
 - info.module.scss
 - JS _app.js
 - info.module.scss
 - global.css
 - JS index.js
 - index.module.css
 - > public
 - .gitignore
 - package-lock.json
 - package.json
 - README.md

pages > info > JS index.js > info

```
1 import React from 'react'
2 import styles from './info.module.scss'
3
4 function info() {
5   return (
6     <div>
7       <h1 className={styles.heading}>Information</h1>
8       <p>Lorem ipsum, dolor sit amet consectetur</p>
9     </div>
10    )
11  }
12
13 export default info
14
```

I

1: node

Information page here

Consequatur nobis blanditiis corporis officiis, quasi voluptate dolore laboriosam assumenda sint consectetur preferendis nisi inventore nesciunt quidem quam natus!

Creating APIs with Next.js

The screenshot shows a development environment with two main windows. On the left is the Visual Studio Code interface, displaying the file structure of a Next.js project named 'FIRST-NEXTJS'. The 'hello.js' file under the 'api' directory is open in the editor. The code defines a simple API endpoint that returns a JSON object with a 'name' field set to 'John Doe'. On the right is a web browser window showing the result of a POST request to 'localhost:3000/api/hello'. The response is a JSON object with a single key-value pair: 'name: "John Doe"'.

```
// Next.js API route support: https://nextjs.org/docs/api-routes/introduction
export default (req, res) => {
  res.statusCode = 200
  res.json({ name: 'John Doe' })
}
```

localhost:3000/api/hello

```
{  
  name: "John Doe"  
}
```

http://localhost:3000/api/hello

The screenshot shows a Visual Studio Code interface with a dark theme. On the left is the Explorer sidebar, which lists the project structure under 'FIRST-NEXTJS'. The 'api' folder contains 'hello.js' and 'random-number.js'. The 'random-number.js' file is open in the center editor, showing the following code:

```
1  export default function randomNumber(req, res) {
2      res.json({
3          nume:Math.floor(Math.random()*10)
4      })
5  }
6
7 // http://localhost:3000/api/random-number
```

The status bar at the bottom indicates the file is 15 lines long.

To the right of the editor is a browser window showing the result of the API call. The URL is 'localhost:3000/api/random-number'. The response is a JSON object with a single key 'nume' containing the value '8'.

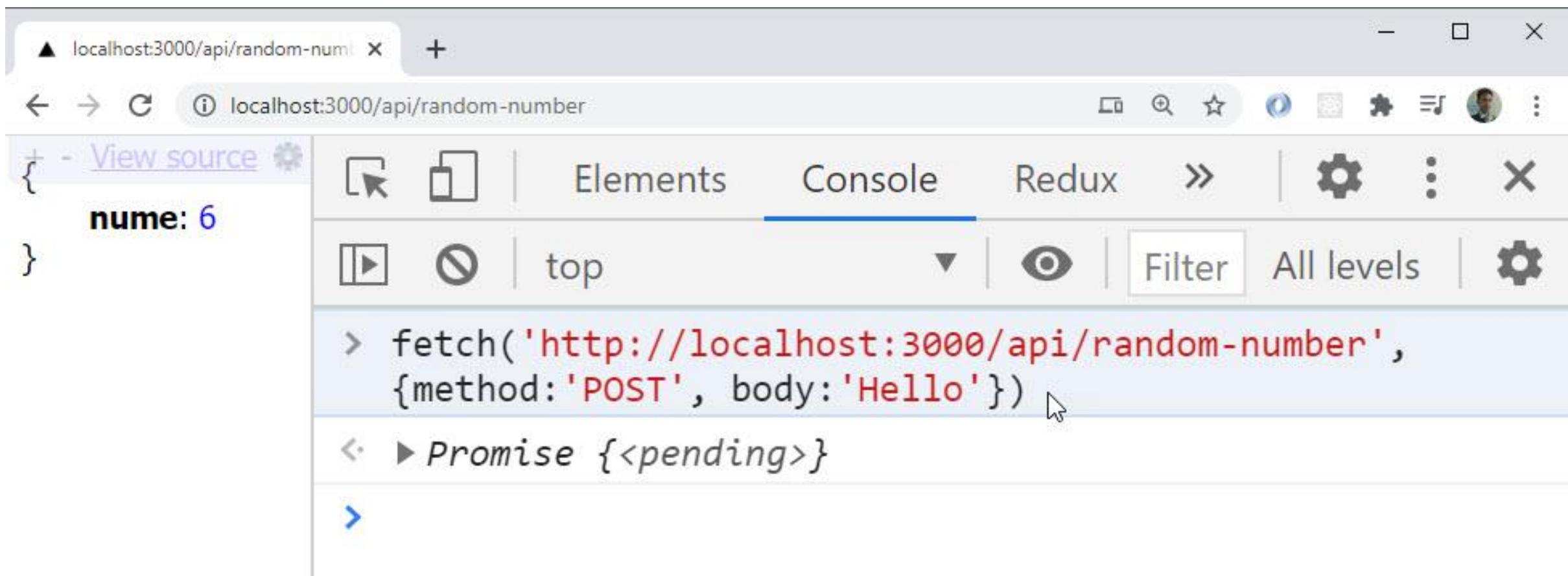
http://localhost:3000/api/random-number

req and res objects

A screenshot of the Visual Studio Code interface. The title bar reads "random-number.js - first-nextjs - Visual Studio Code". The left sidebar shows a file tree with "random-number.js" selected. The main editor area contains the following code:

```
1 export default function randomNumber(req, res) {
2
3     console.log('REQUEST BODY', req.body)
4
5     res.json({
6         num:Math.floor(Math.random()*10)
7     })
8 }
9
10 // http://localhost:3000/api/random-number
```

The word "any" is highlighted in red in the code editor, indicating a type annotation or error. A yellow status bar is visible at the bottom of the screen.





PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL



```
wait  - compiling...
event - compiled successfully
wait  - compiling...
event - compiled successfully
event - build page: /api/random-number
wait  - compiling...
event - compiled successfully
REQUEST BODY
event - build page: /api/random-number
wait  - compiling...
event - compiled successfully
REQUEST BODY Hello
```



1: node



localhost:3000/api/random-number

```
{  num: 6 }  
+ - View source {  
  num: 6 }  
Elements Console Redux Sources > |  : X  
|   top |  Filter All levels |   
> fetch('http://localhost:3000/api/random-number',  
  {method: 'POST',  
  
    headers:{  
      'Content-Type': 'application/json'  
    },  
  
    body: JSON.stringify({  
      username: 'admin',  
      password: '1234'  
    }  
  
  }))  
< ► Promise {<pending>}  
> |
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

1: node

▼ + □ ✎ ^ X

```
event - compiled successfully
REQUEST BODY
event - build page: /api/random-number
wait - compiling...
event - compiled successfully
REQUEST BODY Hello
event - build page: /api/random-number
wait - compiling...
event - compiled successfully
REQUEST BODY {}
event - build page: /api/random-number
wait - compiling...
event - compiled successfully
REQUEST BODY { username: 'admin', password: '1234' } I
```



JS random-number.js ×

pages > api > JS random-number.js > randomNumber



```
1  export default function randomNumber(req, res) {  
2  
3      console.log('REQUEST BODY', req.body)  
4      console.log('REQUEST BODY', req.body.username)  
5  
6      res.json({  
7          nume:Math.floor(Math.random()*10)  
8      })  
9  }  
10 // http://localhost:3000/api/random-number
```



PROBLEMS



OUTPUT



DEBUG CONSOLE



TERMINAL

1: node



REQUEST BODY Hello

event - build page: /api/random-number

wait - compiling...

event - compiled successfully

REQUEST BODY {}

event - build page: /api/random-number

wait - compiling...

event - compiled successfully

REQUEST BODY { username: 'admin', password: '1234' }

event - build page: /api/random-number

wait - compiling...

event - compiled successfully

REQUEST BODY { username: 'admin', password: '1234' }

REQUEST BODY admin



ນໄວກຈົບເປີສ

```
console.log('REQUEST BODY', req.query)
```

http://localhost:3000/api/random-number?q=1

```
wait - compiling...
event - compiled successfully
REQUEST BODY
REQUEST BODY undefined
REQUEST BODY { q: '1' }
[]
```



Module 2: การทำงานกับ Routing

- Simple Routing
- Link component
- Nested Routing
- Dynamic Routing
- useRouter
- Catch All Route
- Custom 404 Page

Simple Routing



EXPLOR...



JS about.js X



> .git

> .next

> node_modules

✓ pages

> api

JS _app.js

JS about.js

JS index.js

✓ public

favicon.ico

vercel.svg

> styles

.gitignore

package-lock.json

package.json

README.md

pages > JS about.js > about

```
1 import React from 'react'
2
3 function about() {
4     return (
5         <div>
6             <h1>This is about page.</h1>
7         </div>
8     )
9 }
10
11 export default about
12
```

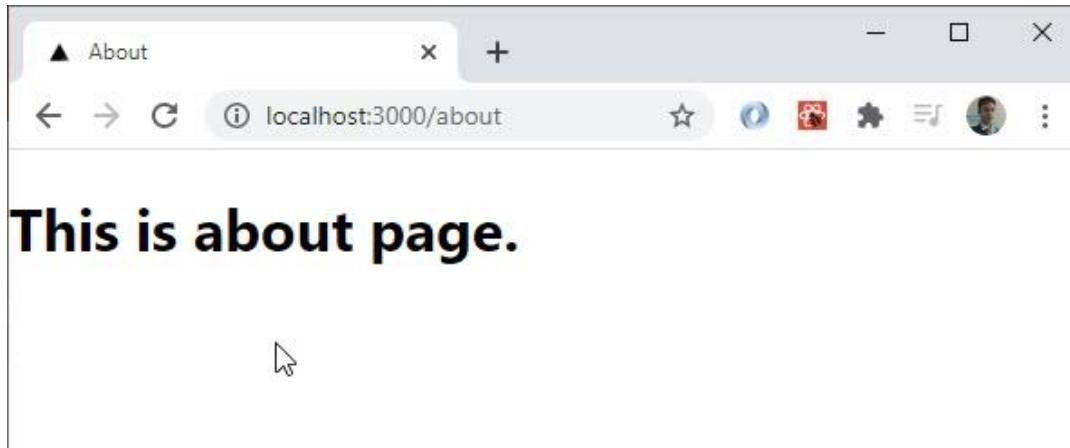


This is about page.

Link component

```
import Link from 'next/link';
```

```
<Link href="/about">
  <a>Go to about</a>
</Link>
```



Nested Routing



JS dashboard.js ×

pages > member > JS dashboard.js > dashboard

```
1 import React from 'react'
2 import Head from 'next/head'
3
4 function dashboard() {
5   return (
6     <div>
7       <Head>
8         <title>Dashboard</title>
9         <link rel="icon" href="/favicon.ico" />
10      </Head>
11      <h1>This is dashboard page.</h1>
12    </div>
13  )
14}
15
16 export default dashboard
17
```



File Edit Selection View Go Run Terminal Help

index.js - routing-development - Visual Studio Code

- □ ×



EXPLOR...



JS index.js



> .git

> .next

> node_modules

✓ pages

> api

✓ member

JS dashboard.js

JS _app.js

JS about.js

JS index.js

✓ public

favicon.ico

vercel.svg

> styles

.gitignore

package-lock.json

package.json

README.md

pages > JS index.js > Home

12

13

<h1>Index Page</h1>

14

15

<h2>

16

<Link href="/about">

17

<a>Go to about

18

</Link>

19

</h2>

20

21

<h2>

22

<Link href="/member/dashboard">

23

<a>Go to dashboard

24

</Link>

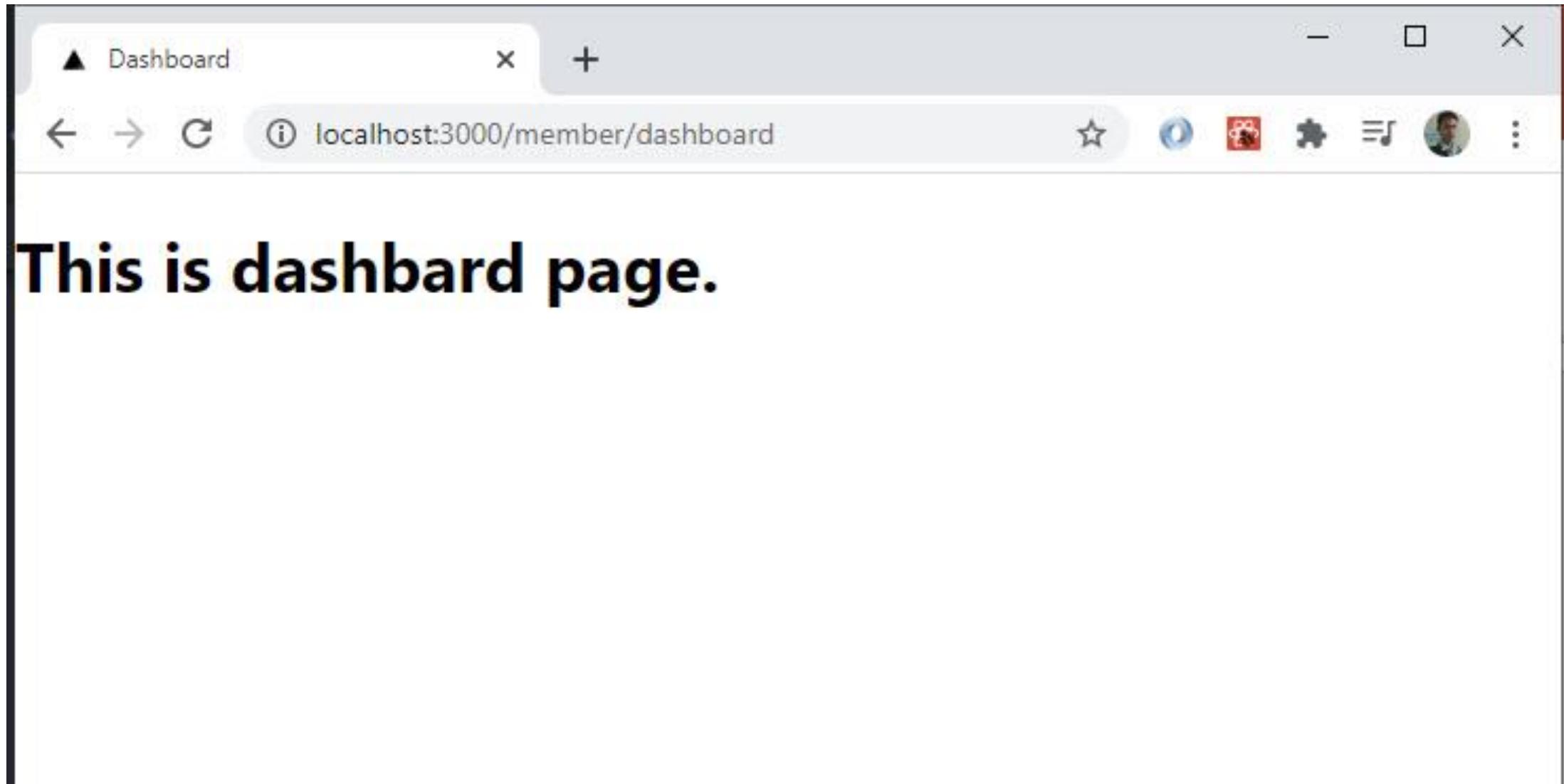
25

</h2>

26

I

27



Dynamic Routing



File Edit Selection View Go Run Terminal Help

[name].js - routing-development - Visual Studio Code

- □ X



EXPLOR...



JS index.js

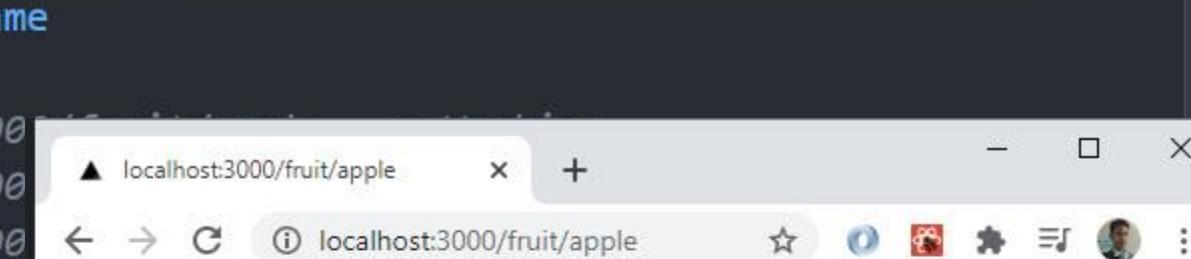
JS [name].js X

...

pages > fruit > JS [name].js > ...

```
1 import React from 'react'  
2  
3 function FruitName() {  
4     return (  
5         <div>  
6             <h1>Hello Fruit</h1>  
7         </div>  
8     )  
9 }  
10  
11 export default FruitName
```

localhost:3000/fruit/apple



Hello Fruit



The screenshot shows a Visual Studio Code interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** index.js - routing-development - Visual Studio Code.
- Sidebar:** Explorer, Search, Problems, Activity, Taskbar, and a pinned file icon.
- File Tree:** .git, .next, node_modules, pages (5 items), api, fruit (category), member, _app.js, about.js, index.js, public (favicon.ico, vercel.svg), styles, .gitignore, package-lock.json, package.json, README.md.
- Active Editor:** JS [name].js (highlighted in blue). The code is:

```
import React from 'react'
function index() {
  return (
    <div>
      <h1>This is a category</h1>
    </div>
  )
}
export default index
```

Line numbers 1 through 14 are visible on the left. The code editor has syntax highlighting for JavaScript and HTML. A status bar at the bottom indicates the current file is index.js.

useRouter

The screenshot shows a Visual Studio Code interface with the following details:

- File Explorer (Left):** Shows the project structure:
 - Root: .git, .next, node_modules
 - pages: api, fruit (selected), [category], member, _app.js, about.js, index.js
 - public: favicon.ico, vercel.svg
 - styles, .gitignore, package-lock.json, package.json, README.md
- Terminal (Top):** [name].js - routing-development - Visual Studio Code
- Code Editor (Center):** JS [name].js (Line 1)
- Code Content:**

```
pages > fruit > [category] > JS [name].js > FruitName
1 import React from 'react'
2 import {useRouter} from 'next/router';
3
4 function FruitName() {
5
6     const router = useRouter()
7
8     return (
9         <div>
10            <h1>This is {router.query.name} {router.query.category}</h1>
11        </div>
12    )
13 }
14
15 export default FruitName
16
17 // http://localhost:3000/fruit/apple --> Working
18 // http://localhost:3000/fruit/banan --> Working
19 // http://localhost:3000/fruit/category/box --> Not working
20
```



Elements Console Components Profiler Redux Sources Network Performance Memory » ⚙️ ⋮ X

Search (text or /re) RouterContext.Provider

Root

- Head
- AppContainer
- Container
- ReactDevOverlay
- ErrorBoundary
- RouterContext.Provider
- HeadManagerContext.Provider
- MyApp
- FruitName

components: {/_app: ..., /fruit/[category]/[name]: ...}
defaultLocale: undefined
events: {emit: f emit() {}, off: f off() {}, on: f on() {}}
isFallback: false
isReady: true
locale: undefined
locales: undefined
pathname: "/fruit/[category]/[name]"
prefetch: f () {}
push: f () {}
query: {category: "thai", name: "durian"}
category: "thai"
name: "durian"
new entry: ""
reload: f () {}
replace: f () {}
route: "/fruit/[category]/[name]"

```
const router = useRouter()

function takeHome(){
    router.push('/about')
}
```

```
<button onClick={takeHome}>Home</button>
```

Catch All Route



File Edit Selection View Go Run Terminal Help

[...name].js - routing-development - Visual Studio Code



EXPLOR... ...



> .git
> .next
> node_modules
pages > food > JS [...name].js > FoodName



6 pages



api



food



JS [...name].js



fruit



member



JS _app.js



JS about.js



JS index.js



public



favicon.ico



vercel.svg



styles



.gitignore



package-lock.json



package.json



README.md

JS [...name].js X

```
1 import React from 'react'
2 import {useRouter} from 'next/router';
3
4 function FoodName() {
5
6     const router = useRouter()
7     console.log(router.query);
8
9     return (
10         <div>
11             <h1>Food</h1>
12         </div>
13     )
14 }
15
16 export default FoodName
17
```

▲ localhost:3000/food/thai/3/somtum X +

← → C ⓘ localhost:3000/food/thai/3/somtum

☆ ⚙️ 🎨 🧩 🎵 📸 :

Food

Elements Console **Components** Profiler » ⚙️ ⋮ X

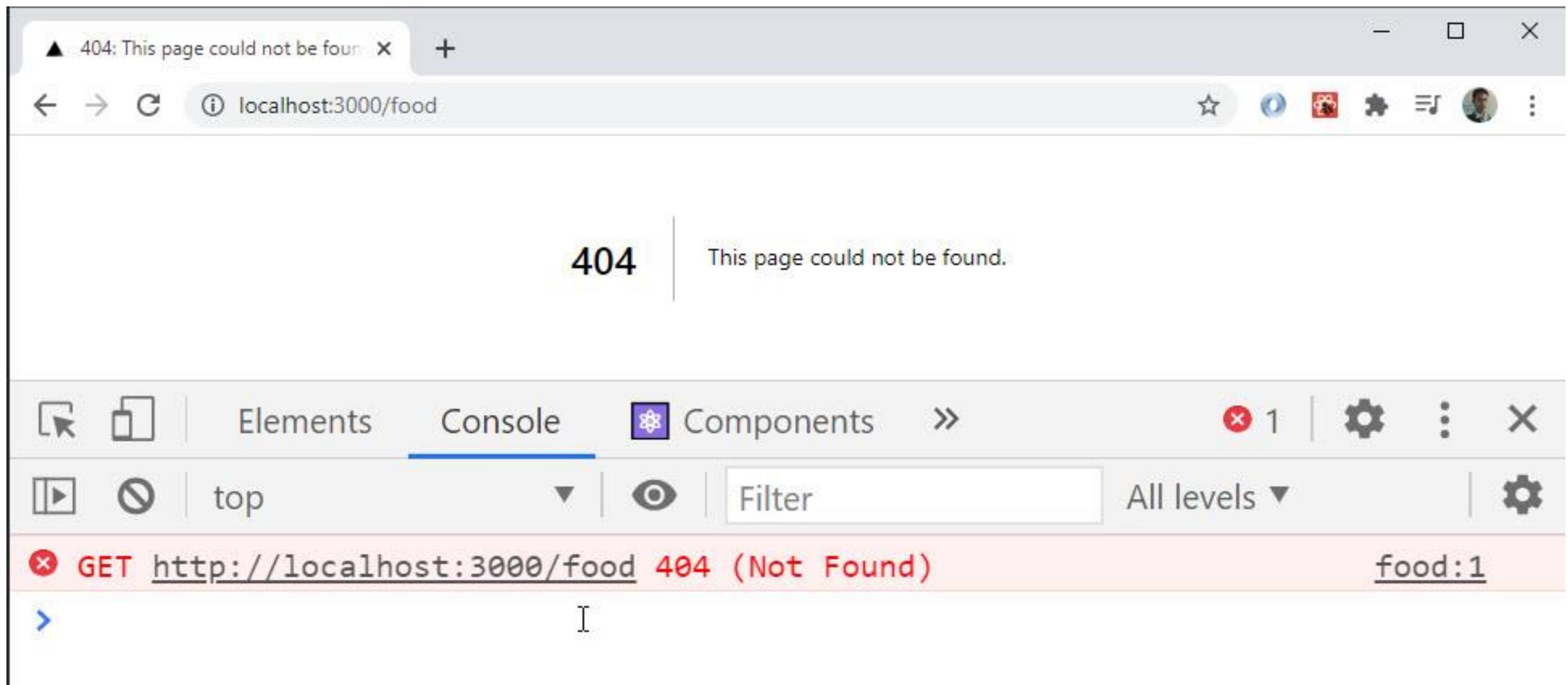
▶ {} [...name].js:7

▼ {name: Array(3)} ⓘ [...name].js:7

▶ name: (3) ["thai", "3", "somtum"]

▶ __proto__: Object

> I



The screenshot shows a Visual Studio Code interface with the following details:

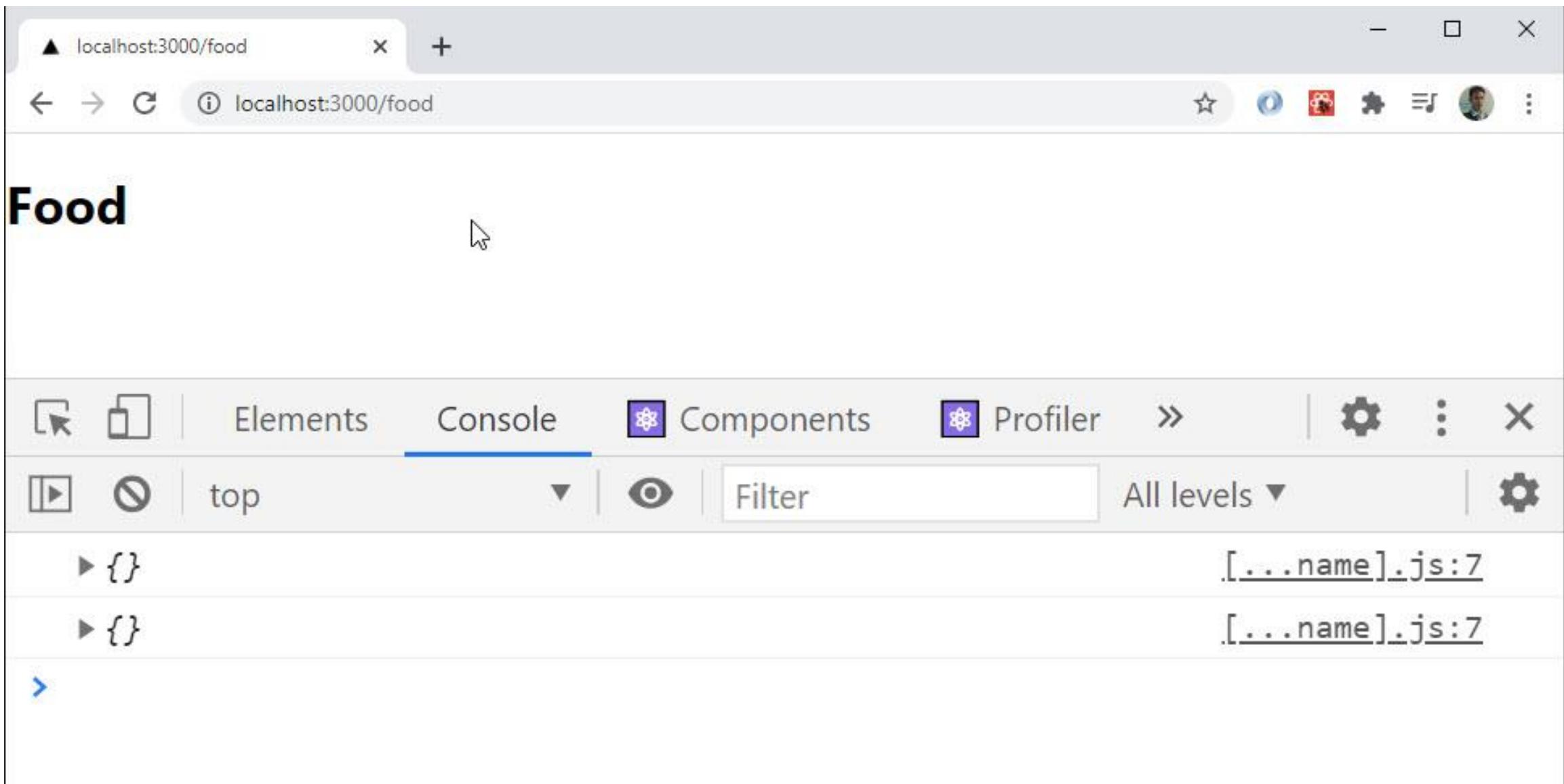
- File Explorer:** On the left, it displays the project structure:
 - .git
 - .next
 - node_modules
 - pages (marked with 6)
 - api
 - food (marked with 1)
 - [...name].js (highlighted with a cursor)
 - fruit
 - member
- _app.js
- about.js
- index.js

- public (marked with 1)

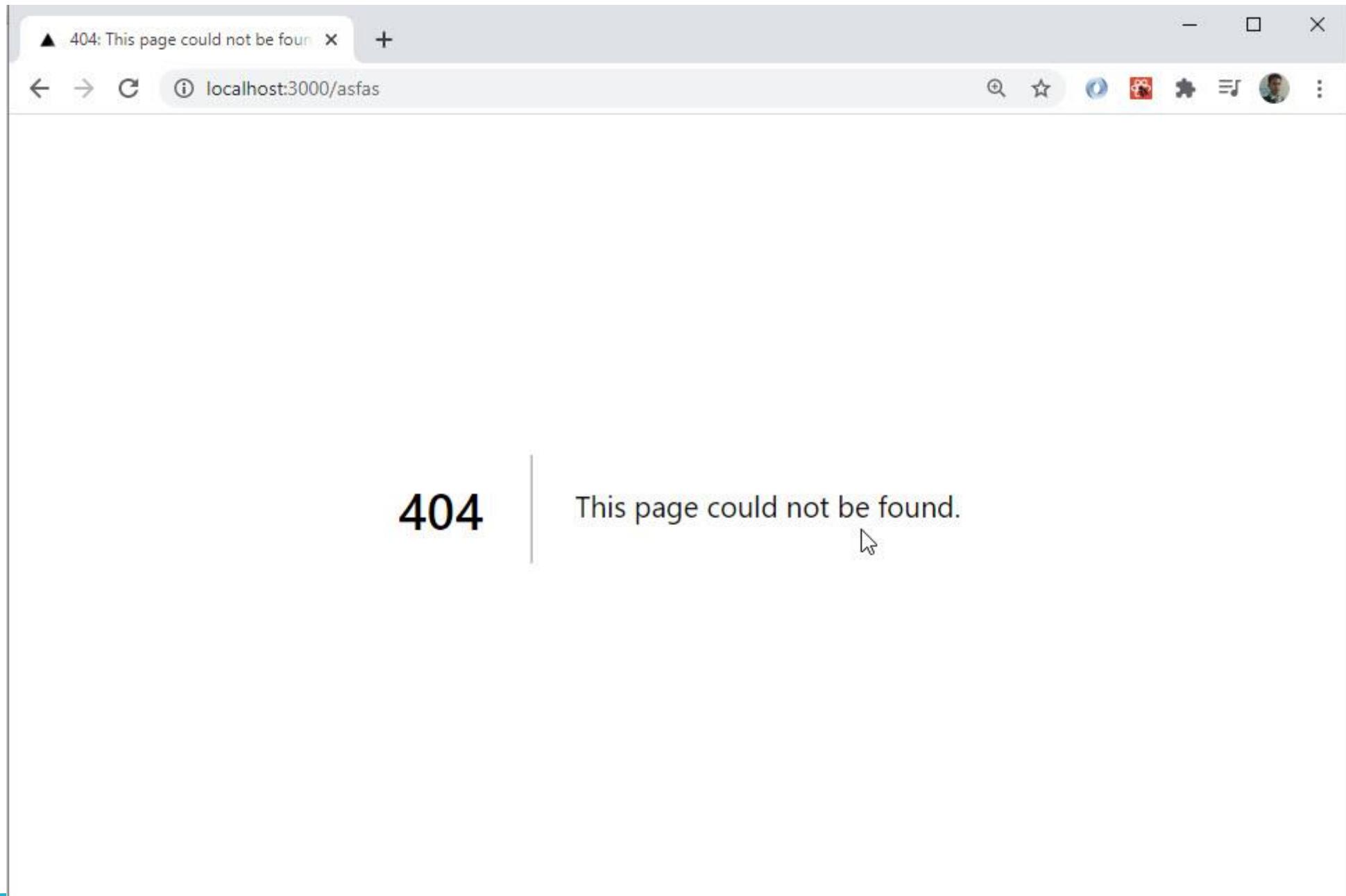
- favicon.ico
- vercel.svg

- styles
- .gitignore
- package-lock.json
- package.json
- README.md
- Terminal:** At the top right, it says "[...name].js - routing-development - Visual Studio Code".
- Code Editor:** The main area contains the following code in a file named "[...name].js":

```
JS [...name].js
pages > food > JS [...name].js > FoodName
1 import React from 'react'
2 import {useRouter} from 'next/router';
3
4 function FoodName() {
5
6     const router = useRouter()
7     console.log(router.query);
8
9     return (
10         <div>
11             <h1>Food</h1>
12         </div>
13     )
14 }
15
16 export default FoodName
17
```



Custom 404 Page



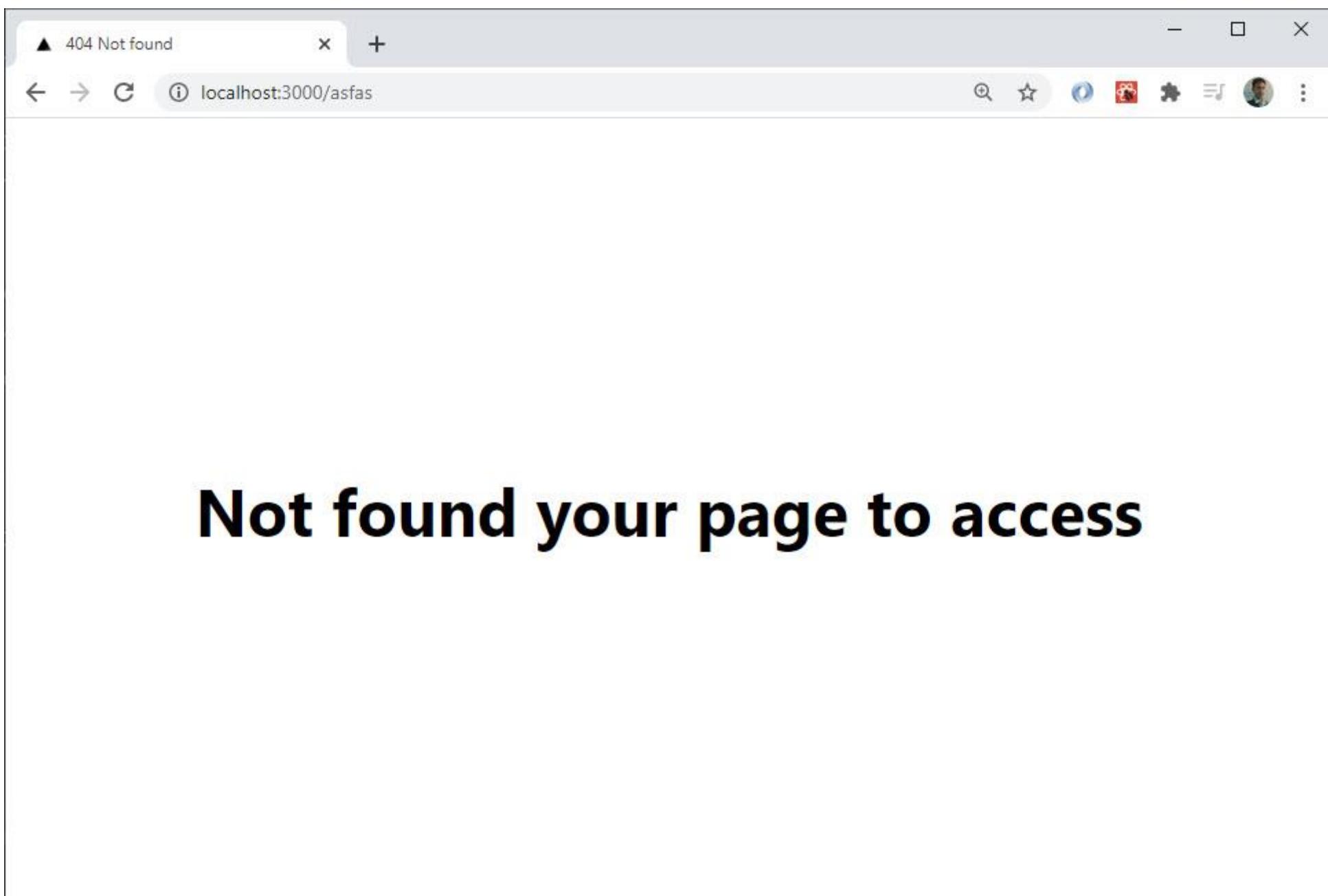
The screenshot shows the Visual Studio Code interface with the following details:

- File Menu:** File, Edit, Selection, View, Go, Run, Terminal, Help.
- Title Bar:** 404.js - routing-development - Visual Studio Code
- Explorer Bar (Left):** Shows the project structure:
 - EXPLORER: ROUTING-DEVELOPMENT
 - .git
 - .next
 - node_modules
 - pages (7 items):
 - api
 - food
 - fruit
 - member
 - _app.js
 - 404.js (highlighted with a cursor icon)
 - about.js
 - public (1 item):
 - favicon.ico
 - vercel.svg
 - styles
 - .gitignore
 - package-lock.json
 - package.json
 - README.md
- Code Editor (Right):** The 404.js file content is displayed, showing a React component for a 404 error page.

```
import React from 'react'
import styles from '../styles/Home.module.css'
import Head from 'next/head'

function Error404() {
    return (
        <div className={styles.container}>
            <Head>
                <title>404 Not found</title>
                <link rel="icon" href="/favicon.ico" />
            </Head>
            <h1>Not found your page to access</h1>
        </div>
    )
}

export default Error404
```





Module 3: การใช้ Style Component

- Style section introduction
- Styled JSX
- Global Styles
- CSS Modules
- Sass Modules
- File Structure

Next.JS Framework Advanced Training Progress



Day 1



Day 2



Day 3

DAY 2

- Module 4: การใช้ Tailwind CSS ใน Next.js
- Module 5: Integrate Material-UI
- Module 6: Basic Login Authentication





Module 4:

การใช้ Tailwind CSS ใน Next.js

- Install Tailwind dependencies
- Configure Tailwind to remove unused styles from production
- Add the global stylesheet
- Tailwind workshop with Next.js

Module 5:

Integrate Material-UI



- Setup Theme MaterialUI & Bootstrap
- Create Header, Menu and Footer
- Install Bundled Files
- Convert HTML to JSX
- Install Page Navigation with React Router
- Create Responsive Page with Flexbox and Grid system
- Setup next/router with useRouter, withRouter
- Create Route for register, login, stock, create/edit/delete

Module 6:

Basic Login Authentication



- Install Axios
- Install Backend with NodeJS / Express / Sequelize (DB ORM)
- Install Backend Libraries for express body-parser cors sequelize
- Create Web API with NodeJS
- Create NodeJS Router ด้วย Express
- Create Sub Router
- Create REST API for test Authentication (Register and Login)

Next.JS Framework Advanced Training Progress



Day 1



Day 2



Day 3

DAY 3

- Module 7: Next.js Rest API
- Module 8: Server Side Rendering
- Module 9: Deployment





Module 7: **Next.js Rest API**

- API Section Intro
- Creating APIs with Next.js
- req and res objects
- Simple JWT Auth Example

Install Axios

Install Axios

```
npm install axios --save
```

```
E:\TrainingWorkshop\NextjsExercise\routing-development>npm install axios --save
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@2.1.3 (node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@2.1.3: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})
npm WARN optional SKIPPING OPTIONAL DEPENDENCY: fsevents@1.2.13 (node_modules\watchpack-chokidar2\node_modules\fsevents):
npm WARN notsup SKIPPING OPTIONAL DEPENDENCY: Unsupported platform for fsevents@1.2.13: wanted {"os":"darwin","arch":"any"} (current: {"os":"win32","arch":"x64"})

+ axios@0.21.1
added 2 packages from 4 contributors and audited 647 packages in 2.495s

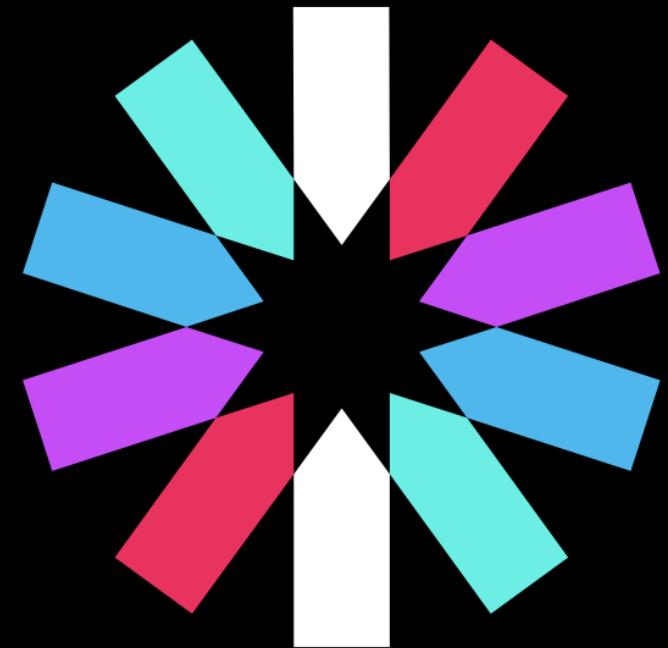
30 packages are looking for funding
  run `npm fund` for details
```

```
package.json X  
package.json > {} dependencies  
1 {  
2   "name": "routing-development",  
3   "version": "0.1.0",  
4   "private": true,  
5   ▶ Debug  
6   "scripts": {  
7     "dev": "next dev",  
8     "build": "next build",  
9     "start": "next start"  
10    },  
11    "dependencies": {  
12      "axios": "^0.21.1",  
13      "next": "10.0.5",  
14      "react": "17.0.1",  
15      "react-dom": "17.0.1"  
16    }  
17  }
```

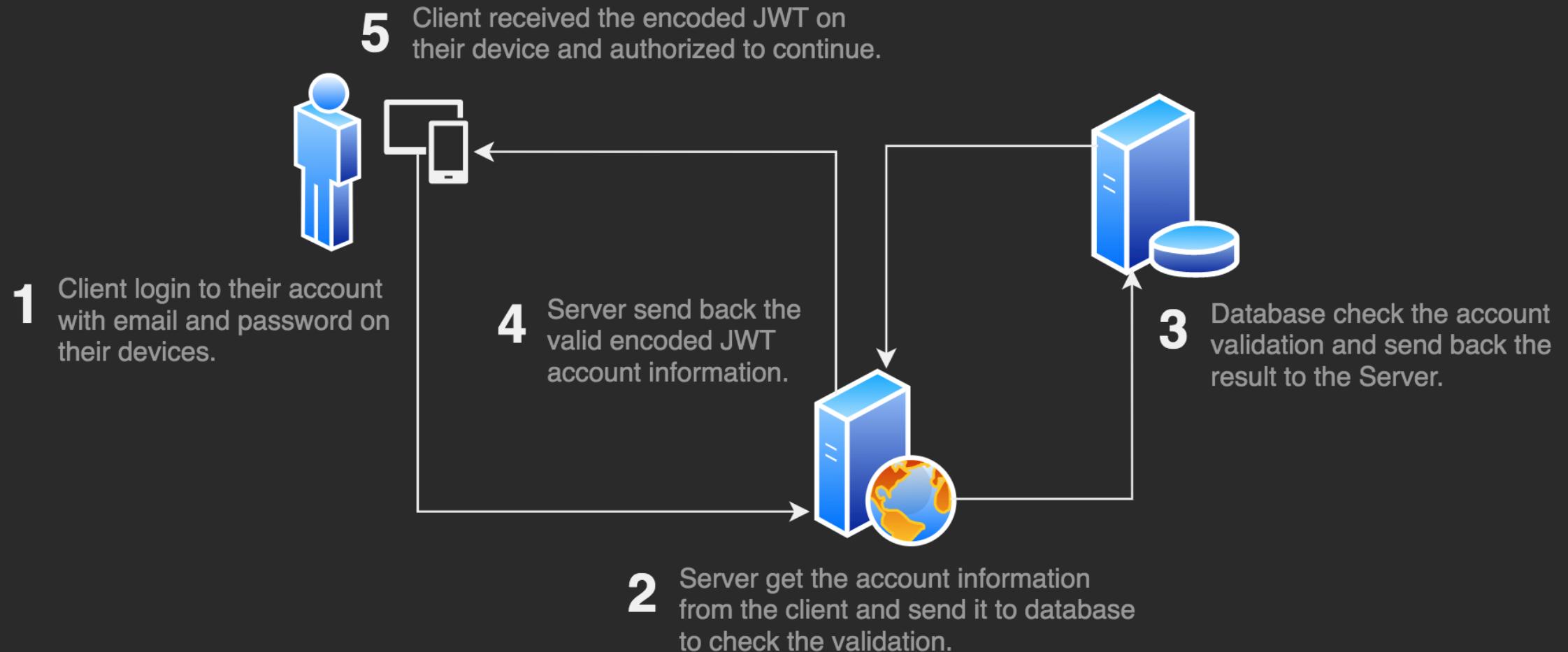
JWT (JSON Web Tokens)

User Authentication in

Next.js Web Application



J U T





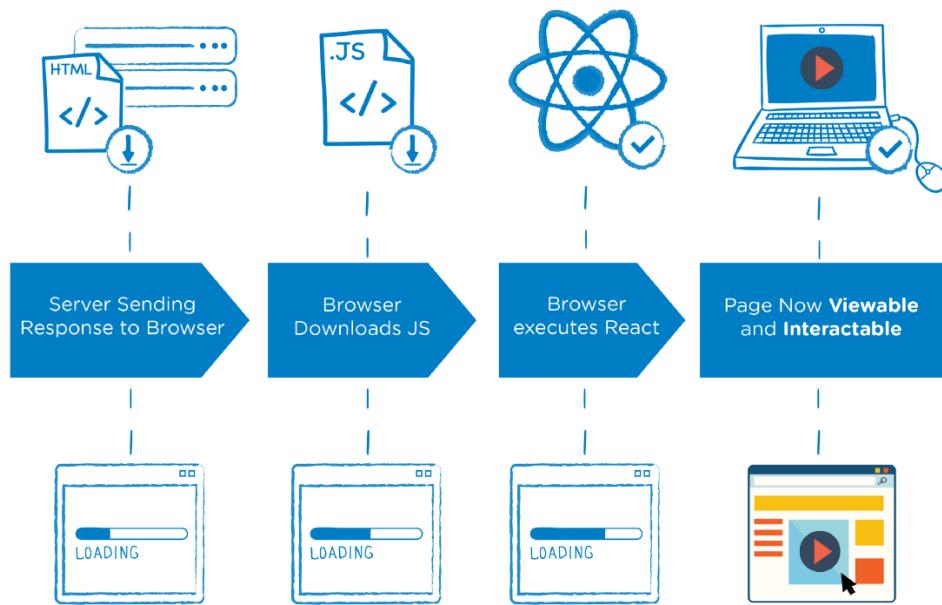
Module 8: Server Side Rendering

- `getStaticProps`
- `revalidate` parameter
- `getStaticPaths`
- `getServerSideProps`

What is Server Side Rendering

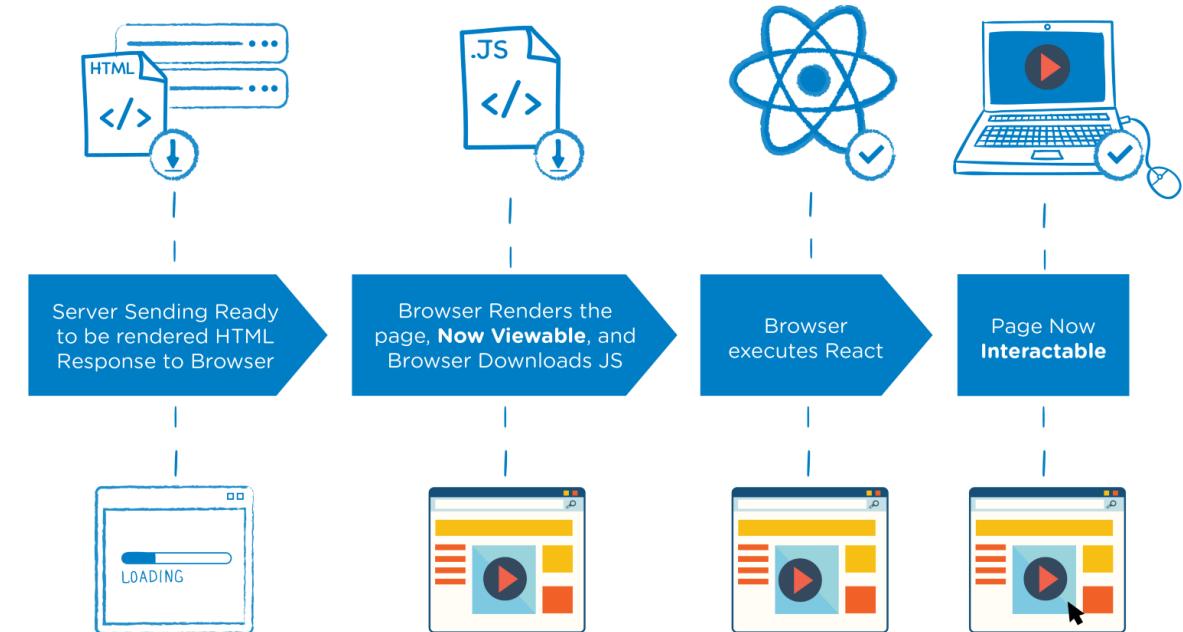


CSR



Client-side rendering is a reasonably new approach to rendering websites, and it didn't really become popular until JavaScript libraries started incorporating it.

SSR



In **server-side rendering** when a user makes a request to a webpage, the server prepares an HTML page by fetching user-specific data and sends it to the user's machine over the internet.

Client Side Rendering

Pros:

- 1.Rich site interactions
- 2.Fast website rendering after the initial load.
- 3.Great for web applications.
- 4.Robust selection of JavaScript libraries.

Cons:

- 1.Low SEO if not implemented correctly.
- 2.Initial load might require more time.
- 3.In most cases, requires an external library.

Server Side Rendering

Pros:

- 1.Search engines can crawl the site for better SEO.
- 2.The initial page load is faster.
- 3.Great for static sites.

Cons:

- 1.Frequent server requests.
- 2.An overall slow page rendering.
- 3.Full page reloads.
- 4.Non-rich site interactions

Live Workshop

My Portfolio

<https://medium.com/swlh/lets-create-portfolio-app-with-next-js-strapi-headless-cms-and-bootstrap-5-fac7d9578bbd>

<https://github.com/Devalo/create-portfolio-with-next-strapi>

Frontend **Next.js 10.x**

PORTFOLIO รวมผลงาน เกี่ยวกับฉัน ติดต่อฉัน



การอ่านแบบพัฒนาแอป



ดูเหมือนทุกอย่างเรียบร้อยดี



การพัฒนาเว็บไซต์องค์กร



ผลงานด้านเว็บดีไซน์



การพัฒนาเว็บไซต์องค์กร

About My Project
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum

PORTFOLIO รวมผลงาน **เกี่ยวกับฉัน** ติดต่อฉัน

เกี่ยวกับฉัน

Lorem ipsum dolor sit, amet consectetur adipisicing elit. Dolores explicabo cumque non doloremque necessitatibus, nostrum corporis voluptas! Excepturi, quam aspernatur consectetur est id repellat vero possimus doloribus magni impedit dicta.

PORTFOLIO ລວມພລັງຈານ ເກື່ອງກັບເຈັນ ຕິດຕ່ວເຈັນ

ຕິດຕ່ວເຮົາ

Lorem ipsum dolor sit, amet consectetur adipisicing elit. Dolores explicabo cumque non doloremque necessitatibus, nostrum corporis voluptas! Excepturi, quam aspernatur consectetur est id repellat vero possimus doloribus magni impedit dicta.



Frontend **Strapi CMS 3.4.x**

COLLECTION TYPES

 Portfolios Users

PLUGINS

Content-Types Builder

Media Library

GENERAL

Marketplace

Plugins

Settings

Portfolios

4 entries found

+ Add New Portfolios

Filters

<input type="checkbox"/> Id	Headline ▲	Image	Slug	State	
<input type="checkbox"/> 3	การพัฒนาเว็บไซต์องค์กร		new-something-entry	Published	
<input type="checkbox"/> 1	การออกแบบพื้นที่ทางกายภาพ		my-first-portfolio-entry	Published	
<input type="checkbox"/> 2	จุดเด่นทุกอย่างเรียนรู้อยู่ด้วย		look-what-love-done	Published	
<input type="checkbox"/> 4	ผลงานล่ามเว็บดีไซน์		love-is-now-and-future	Published	

10

entries per page

1

COLLECTION TYPES

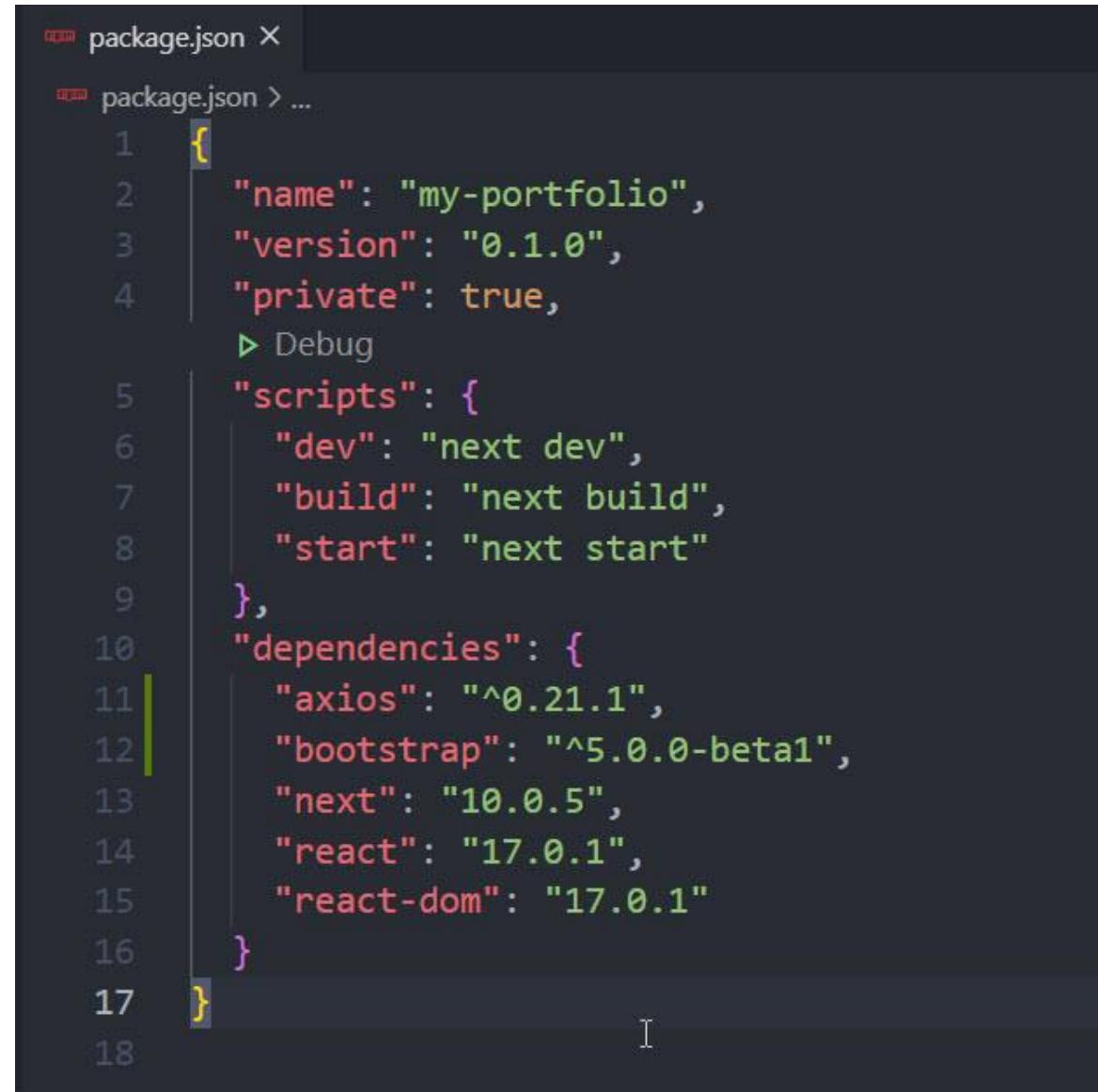


Requirement

- Node js 12.x
- Next.js 10.x
- Strapi CMS 3.4.x

Dependencies

- Bootstrap 5.0.x
- Axios 0.21.x
- Sqlite 3.x

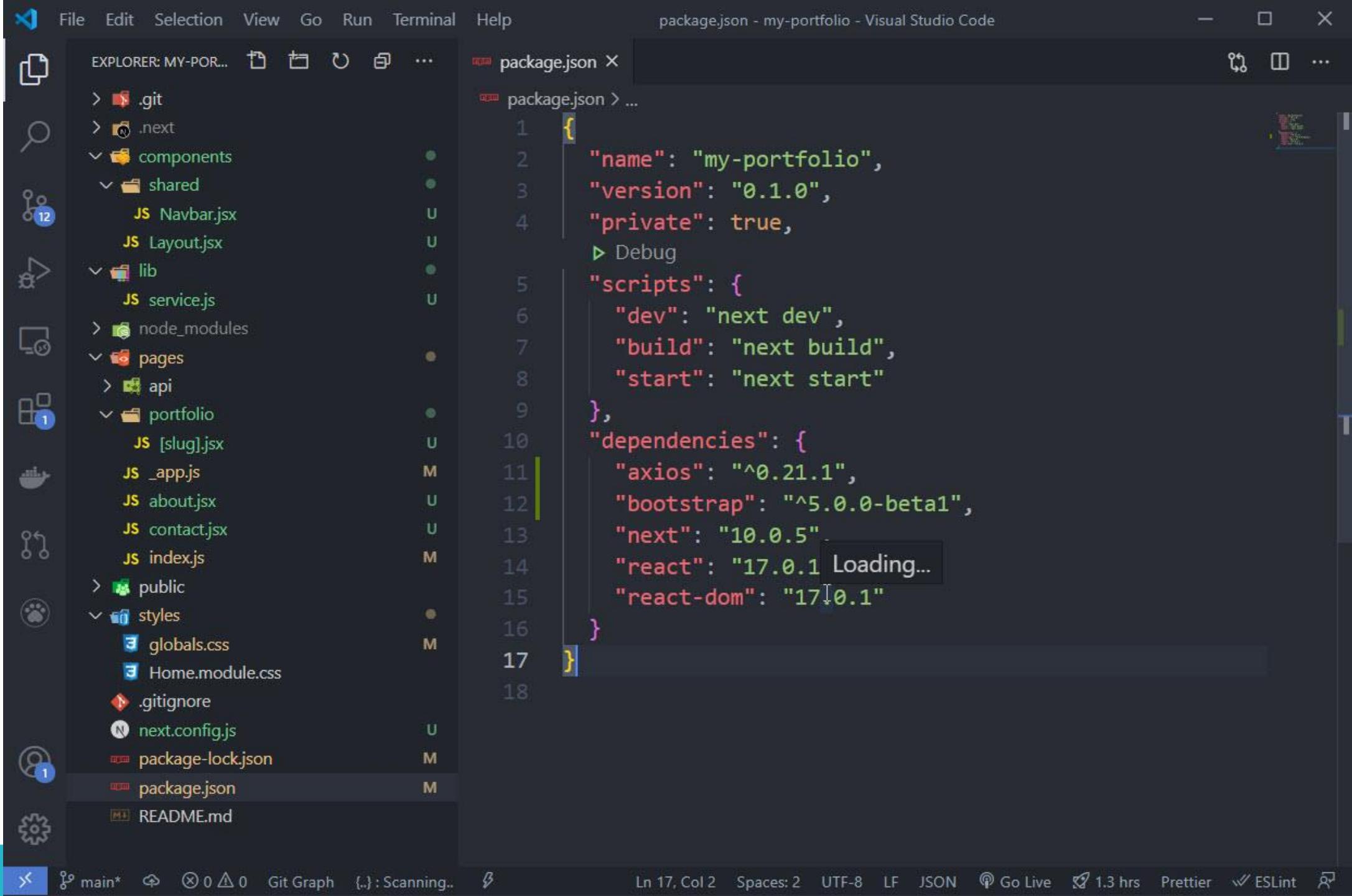


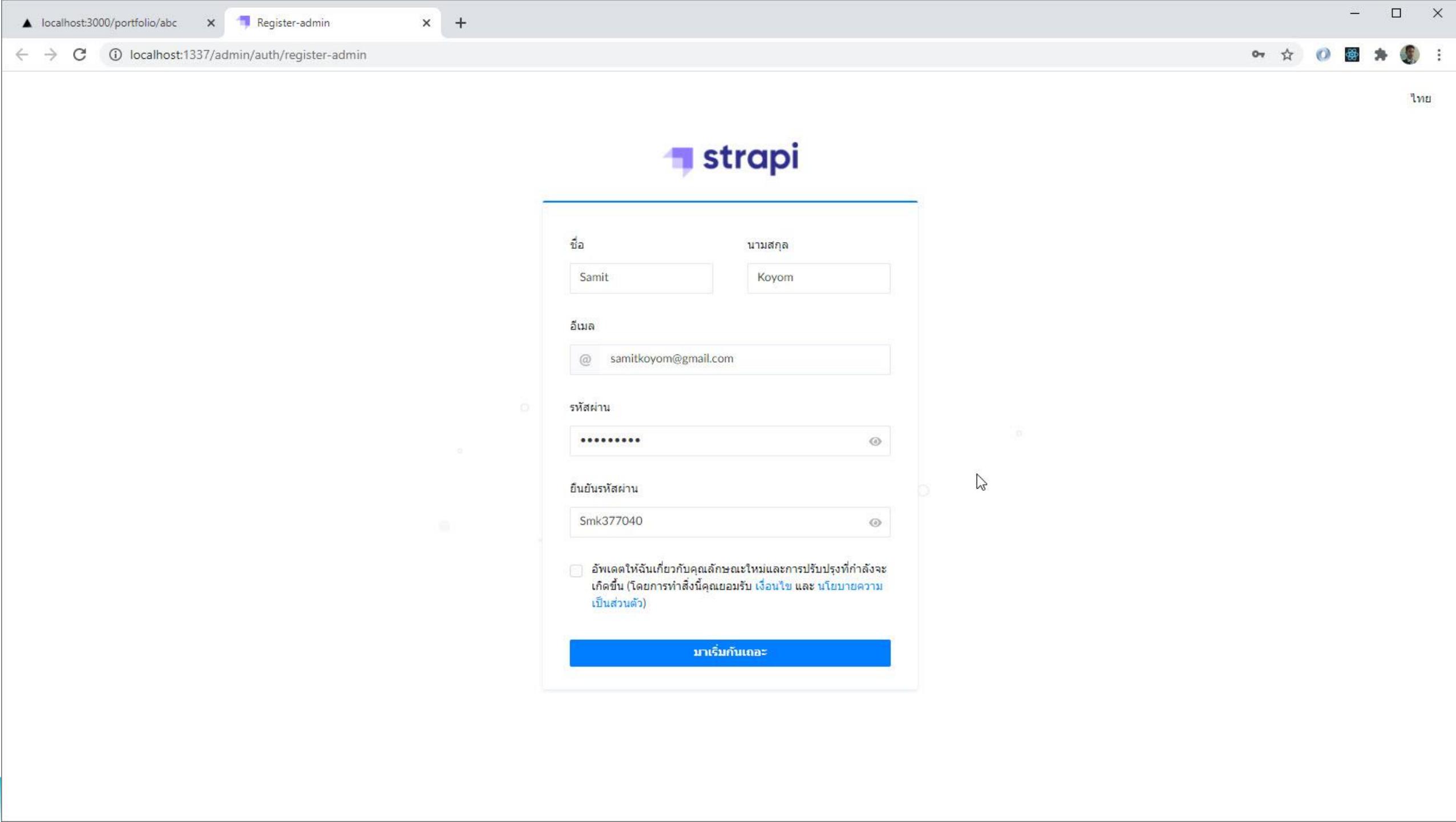
A screenshot of a code editor showing a `package.json` file. The file contains the following JSON code:

```
1  {
2    "name": "my-portfolio",
3    "version": "0.1.0",
4    "private": true,
5    // Debug
6    "scripts": {
7      "dev": "next dev",
8      "build": "next build",
9      "start": "next start"
10   },
11   "dependencies": {
12     "axios": "^0.21.1",
13     "bootstrap": "^5.0.0-beta1",
14     "next": "10.0.5",
15     "react": "17.0.1",
16     "react-dom": "17.0.1"
17   }
18 }
```

โครงสร้างโปรเจกต์

my-portfolio





▲ localhost:3000/portfolio/abc

Register-admin

localhost:1337/admin/auth/register-admin



ไทย

▲ localhost:3000/portfolio/abc × ໂຄມເໜີຂໍ

◀ → ⌂ ⓘ localhost:1337/admin/

Samit Koyom ▾ ຖາຍ

strapi

ໜ້າດຂອງຄວາມເລື່ອງຂັ້ນ

- Users
- ປຳລົກອົນ
- ຝາກສ້າງ Content-Types
- ໄລບ່າຮັບສິຈີ
- ຫົວໄປ
- ຕະຫຼາດ
- ປຳລົກອົນ
- ການຕັ້ງຄ່າ

ຢືນເດືອນຮັບສູນອົບ!

ຢືນເດືອນຮັບສູນອົບ! ຄຸນໄດ້ລັບອົນເປັນຜູ້ຄູແລະບົບຄຸນແຮກ ເພື່ອດັ່ງນັ້ນຄຸນເສມ່ປັດວັນທຽນພລັງທີ່ໃຫ້ໄວ້ກັນ Strapi, ເຮົາແນະນຳໄ້ຄຸນສ້າງຂັ້ນ-ນິດຄວາມເລື່ອງຂັ້ນ-ນິດແຮກຂອງຄຸນ

▶ ສ້າງຂັ້ນເນື້ອທະແກກຂອງຄຸນ

ອ່ານເອກສາຣຸມືອ
ຄັນຫາແນວດີດັ່ງນີ້ມີອ້າງອີງແລະນັທ່ວ່າຍສອນ

</> ດ້ວຍຢ່າງໂຄດ
ຕົກລະໂດຍກາຣທດສອນໂຄຮກກາຈົງເວົວຂັ້ນຂຸນຂັ້ນ

ເນົາຮັມຂຸນຂັ້ນ

ປຶກຂາກບໍ່ສາມາຊີກຂອງທີ່ມີຜູ້ໃຫ້ກາຣສັນສັນແລະ
ອີກຂອງທາງ

▶ ດູໂຮດແມ່ພຂອງເຮົາ

Github Slack

Medium Twitter

Reddit Forum

Academy

ວິດີໂອກາຮັມຜົນໄຫ້ຈຳນານ 0% ສມບຸຣົດ

Create your first content-type 1:43

Fill your content with data 1:06

Fetch data through the API 0:44

ເອກສາຣຸມືອ
ຂັ້ນຂັ້ນ

Strapi v3.4.1 – Community Edition

localhost:1337/admin/plugins/content-type-builder/content-types/application::portfolio.portfolio Samit Koyom English

strapi

COLLECTION TYPES

- Users

PLUGINS

- Content-Types Builder
- Media Library

GENERAL

- Marketplace
- Plugins
- Settings

COLLECTION TYPES 3

- Permission (from: users-permissions)
- Role (from: users-permissions)
- User (from: users-permissions)

+ Create new collection type

SINGLE TYPE 0

+ Create new single type

COMPONENT 0

+ Create new component

Portfolio

There is no description

4 fields

Configure the view + Add another field

Ab	Headline	Text	edit	trash
content	Rich text		edit	trash
image	Media		edit	trash
slug	UID		edit	trash

+ ADD ANOTHER FIELD TO THIS COLLECTION TYPE

GET STARTED VIDEOS 0% COMPLETED

- Create your first content-type 1:43
- Fill your content with data 1:06
- Fetch data through the API 0:44

Documentation CheatSheet

localhost:3000/portfolio/abc x Settings x +

localhost:1337/admin/settings/users-permissions/roles/2

Samit Koyom ▾ English

strapi

COLLECTION TYPES Q

- Portfolios
- Users

PLUGINS

- Content-Types Builder
- Media Library

GENERAL

- Marketplace
- Plugins
- Settings

GLOBAL SETTINGS

- Application

ADMINISTRATION PANEL

- Roles
- Users

USERS & PERMISSIONS PLUGIN

- Roles
- Providers
- Email Templates
- Advanced Settings

Public

Default role given to unauthenticated user.

Role details

Name: Public

Description: Default role given to unauthenticated user.

Permissions

Only actions bound by a route are listed below.

APPLICATION
Define all allowed actions for the application plugin.

PORTRFOLIO Select all

<input type="checkbox"/> count	<input type="checkbox"/> create
<input type="checkbox"/> delete	<input checked="" type="checkbox"/> find
<input checked="" type="checkbox"/> findone	<input type="checkbox"/> update

Advanced settings

Allow to perform this action for:

None

Bound route to portfolio.find

GET /portfolios

?

Strapi v3.4.1 – Community Edition

Headline

My first portfolio entry

Content

Add a title

/ U abc Ⓜ Ⓛ <> Ⓛ Ⓛ

[Switch to preview](#)

About My Project

Text
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum

Expand 

Image



Slug

my-first-portfolio-entry

Information

LAST UPDATE

BY

- Editing draft version

Configure the view

Edit the fields

COLLECTION TYPES

• Portfolios

• Users

PLUGINS

Content-Types Builder

Media Library

GENERAL

Marketplace

Plugins

Settings

My first portfolio entry

API ID : portfolio

Publish

Save

Headline

My first portfolio entry|

Content

Add a title

B / **U** **abc** **123** **!@#**

Switch to preview

About My Project

Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum

Expand 

Image



Slug

my-first-portfolio-entry

C

Information

LAST UPDATE

a few seconds ago

BY

Samit Koyom

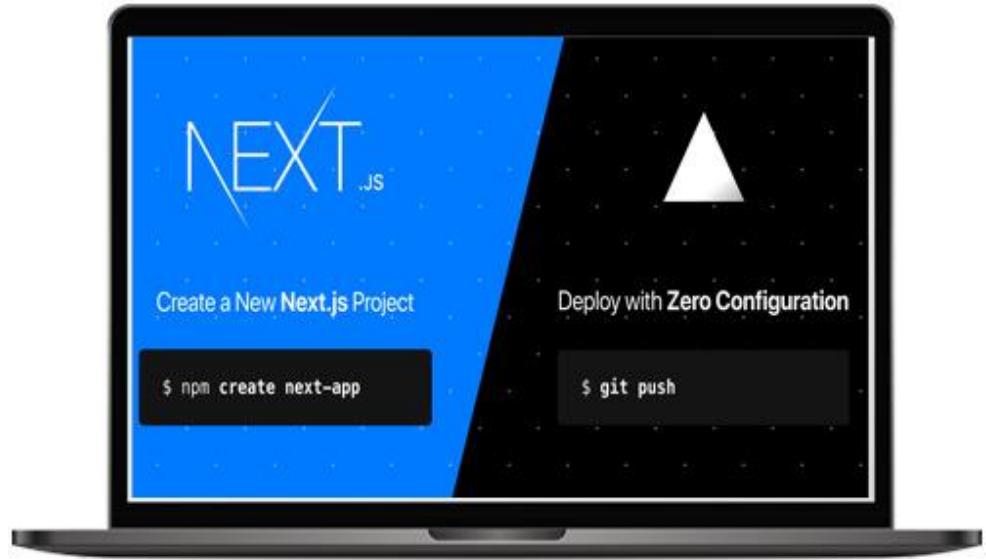
• Editing draft version

Configure the view

Edit the fields

Delete this entry

```
▲ localhost:3000 x | Strapi - Content Manager x localhost:1337/portfolios x +
← → ⌂ ⓘ localhost:1337/portfolios + View source
[ - {  
  id: 1,  
  Headline: "My first portfolio entry",  
  content: "## About My Project  
Lorem Ipsum is simply dummy text of the printing and typesetting industry. Lorem Ipsum has been the industry's standard dummy text ever since the 1500s, when an unknown printer took a galley of type and scrambled it to make a type specimen book. It has survived not only five centuries, but also the leap into electronic typesetting, remaining essentially unchanged. It was popularised in the 1960s with the release of Letraset sheets containing Lorem Ipsum passages, and more recently with desktop publishing software like Aldus PageMaker including versions of Lorem Ipsum",  
  slug: "my-first-portfolio-entry",  
  published_at: "2021-01-12T15:46:20.701Z",  
  created_at: "2021-01-12T15:45:22.035Z",  
  updated_at: "2021-01-12T15:46:20.727Z",  
  - image: [  
    - {  
      id: 3,  
      name: "photo-1476357471311-43c0db9fb2b4",  
      alternativeText: "",  
      caption: "",  
      width: 1950,  
      height: 1300,  
      - formats: {  
        - thumbnail: {  
          name: "thumbnail_photo-1476357471311-43c0db9fb2b4",  
          hash: "thumbnail_photo_1476357471311_43c0db9fb2b4_88f5667381",  
          ext: "",  
          mime: "image/jpeg",  
          width: 234,  
          height: 156,  
          size: 4.45,  
          path: null,  
          url: "/uploads/thumbnail_photo_1476357471311_43c0db9fb2b4_88f5667381"  
        },  
        - large: {  
          name: "large_photo-1476357471311-43c0db9fb2b4",  
          hash: "large_photo_1476357471311_43c0db9fb2b4_88f5667381",  
          ext: "",  
          mime: "image/jpeg",  
          width: 1000,  
          height: 667,  
          size: 44.24,  
          path: null,  
          url: "/uploads/large_photo_1476357471311_43c0db9fb2b4_88f5667381"  
        },  
        - medium: {  
          name: "medium_photo-1476357471311-43c0db9fb2b4",  
          hash: "medium_photo_1476357471311_43c0db9fb2b4_88f5667381",  
          ext: ""  
        }  
      }  
    }  
  ]  
}  
[0].content
```



Module 9:

Deployment

- Install Nginx Webserver
- How to build on production
- CORS Problem solve
- Fallback URL Problem solve



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Develop. Preview. Ship.

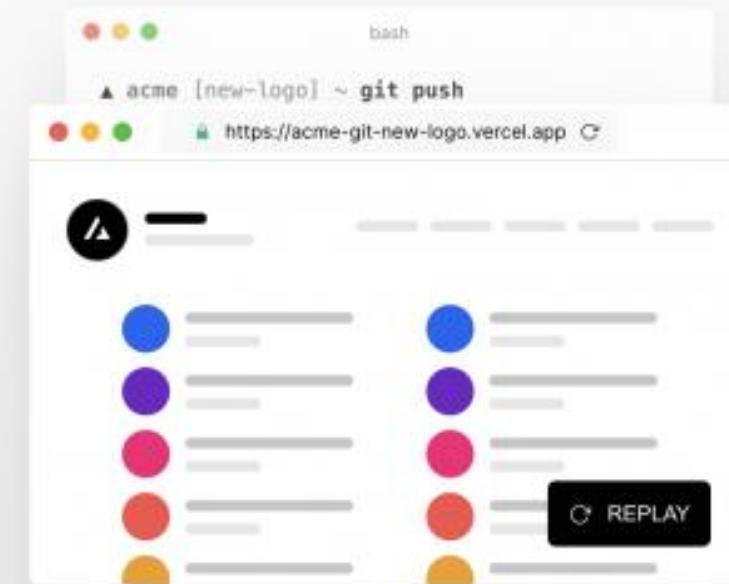
Vercel is the optimal workflow for frontend teams.

All-in-one: Static and Jamstack deployment,
Serverless Functions, and Global CDN.

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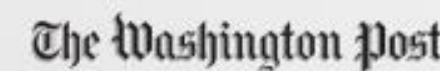
Takes 15 seconds



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