

**Series:**  
**พัฒนาเว็บ Full Stack**  
**โดยใช้ Next.js**  
**สำหรับสาวก JavaScript**

Elevate Your Next.js Full Stack  
Skills for JavaScript Geeks

# EPISODE

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สร้างเว็บค้นหาข้อมูล  
Pokemon โดยใช้  
Tailwind CSS บน Next.js

---

Building Pokemon Finder Website from UI  
with Tailwind CSS on Next.js

# 2

# SOURCE CODE



**<https://github.com/ohmiller/nextjs-ep2>**



# CHAPTER

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## Project Demo Overview

# 00

# Pokemon Finder Project Demo

## NextJS Pokemon Finder App

Find your favourite Pokemon

Search

bulbasaur



ivysaur



venusaur



charmander



charmeleon



charizard



squirtle



wartortle



blastoise



caterpie



metapod



butterfree



weedle



kakuna



beedrill



pidgey



pidgeotto



pidgeot



rattata



raticate



# CHAPTER

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## Getting started

# 01

# ติดตั้ง NextJS Project

```
npm install
C:\Users\User>cd desktop

C:\Users\User\Desktop>npx create-next-app@latest
✓ What is your project named? ... my-next
✓ Would you like to use TypeScript? ... No / Yes
✓ Would you like to use ESLint? ... No / Yes
✓ Would you like to use Tailwind CSS? ... No / Yes
✓ Would you like to use `src/` directory? ... No / Yes
✓ Would you like to use App Router? (recommended) ... No / Yes
✓ Would you like to customize the default import alias (@/*)? ... No / Yes
Creating a new Next.js app in C:\Users\User\Desktop\my-next.

Using npm.

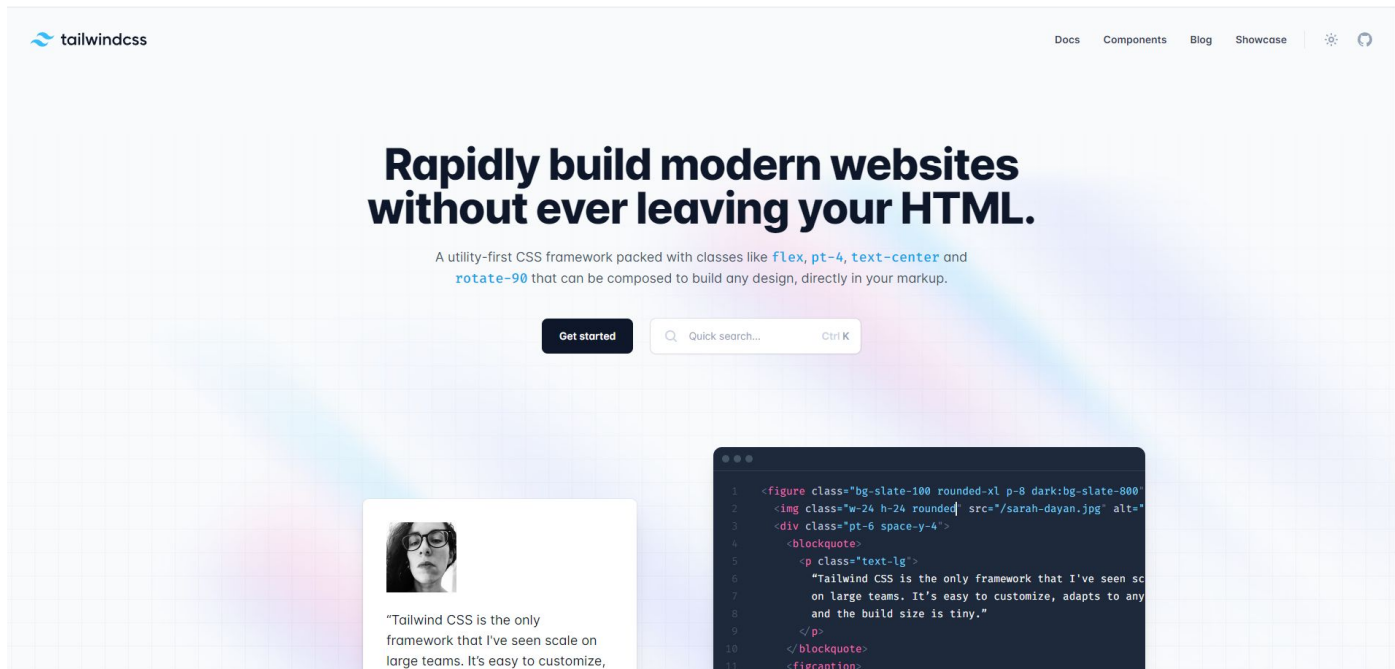
Initializing project with template: app-tw

Installing dependencies:
- react
- react-dom
- next

Installing devDependencies:
- autoprefixer
- postcss
- tailwindcss
- eslint
- eslint-config-next

[ ] / idealTree:strip-ansi: sill placeDep ROOT ansi-regex@5.0.1 OK for: strip-ansi@6.0.1 want: ^5.0.1
```

# แนะนำการเรียนรู้เพื่อใช้งาน Tailwind CSS



<https://tailwindcss.com/>



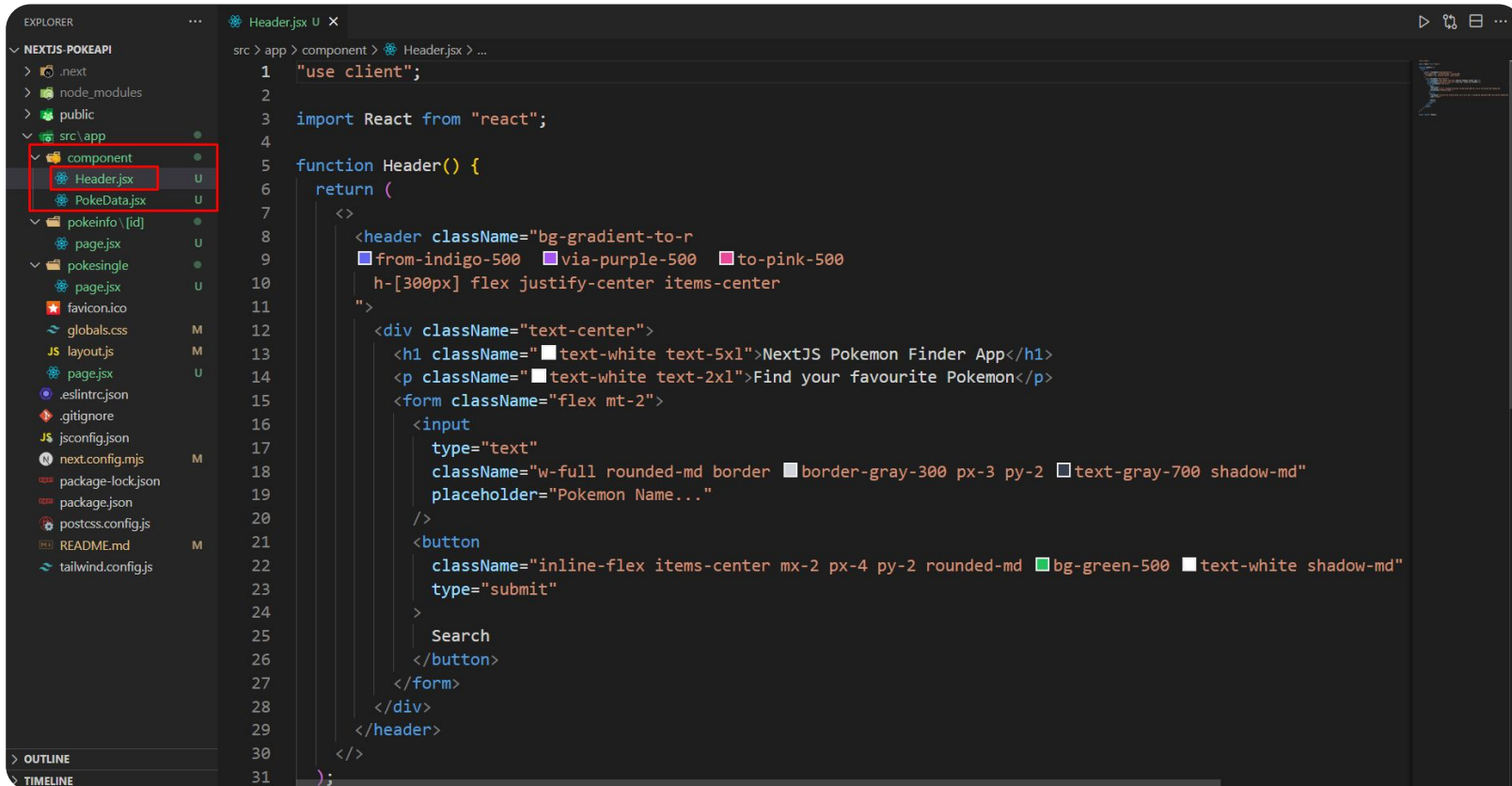
# CHAPTER

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## สร้าง Header Component

# 02

# สร้าง Header Component



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure for 'NEXTJS-POKEAPI' with a 'src/app' directory containing a 'component' folder. The 'component' folder contains 'Header.jsx' and 'PokeData.jsx'. The 'Header.jsx' file is selected and its code is displayed in the editor. The code defines a 'Header' function component that returns a JSX element. The JSX element consists of a header with a gradient background, a h1 title 'NextJS Pokemon Finder App', a p description 'Find your favourite Pokemon', and a form with a text input and a submit button. The form is styled with Tailwind CSS classes.

```
1  "use client";
2
3  import React from "react";
4
5  function Header() {
6    return (
7      <>
8        <header className="bg-gradient-to-r
9          from-indigo-500 via-purple-500 to-pink-500
10         h-[300px] flex justify-center items-center
11        ">
12          <div className="text-center">
13            <h1 className="text-white text-5xl">NextJS Pokemon Finder App</h1>
14            <p className="text-white text-2xl">Find your favourite Pokemon</p>
15            <form className="flex mt-2">
16              <input
17                type="text"
18                className="w-full rounded-md border border-gray-300 px-3 py-2 text-gray-700 shadow-md"
19                placeholder="Pokemon Name..."
20              />
21              <button
22                className="inline-flex items-center mx-2 px-4 py-2 rounded-md bg-green-500 text-white shadow-md"
23                type="submit"
24              >
25                Search
26              </button>
27            </form>
28          </div>
29        </header>
30      </>
31    );
32  }
```

# พลัฟฟอร์มที่ได้

## NextJS Pokemon Finder App

Find your favourite Pokemon

Header Component

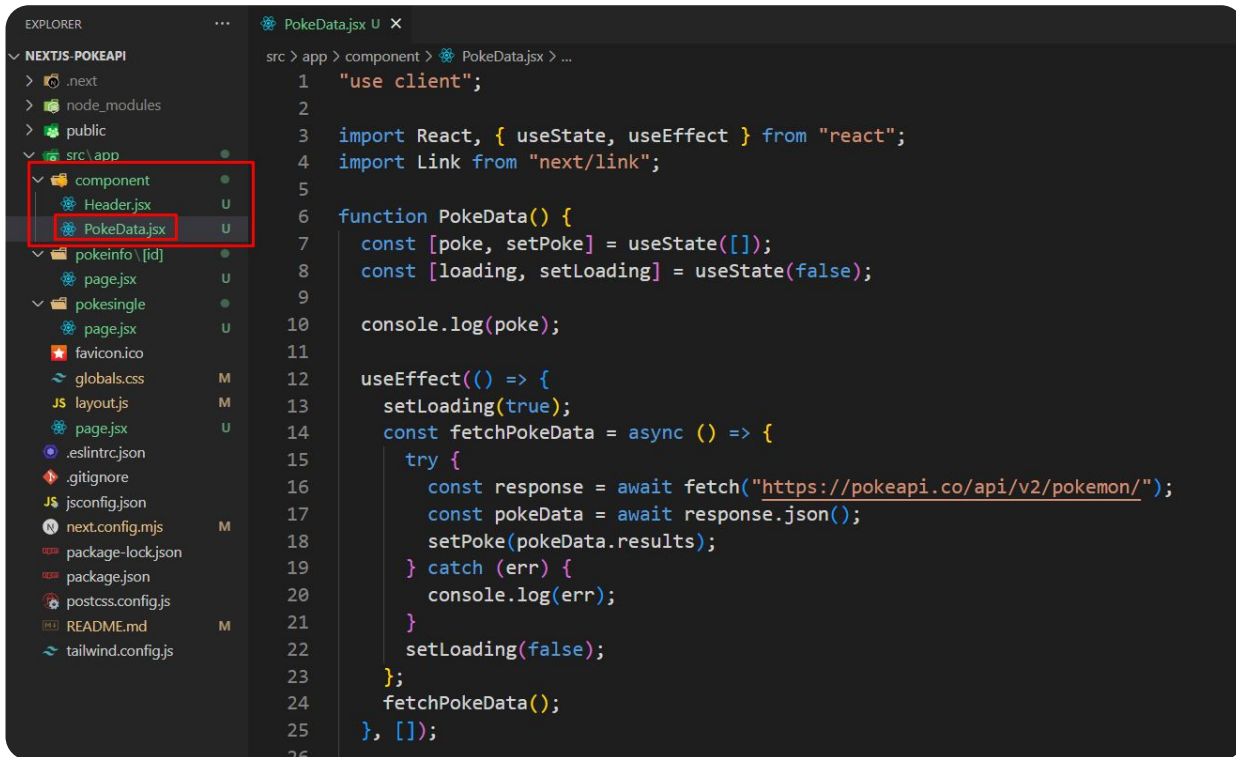
# CHAPTER

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เขียนโค้ดสำหรับ  
Fetch Data และ  
แสดงผลข้อมูล

# 03

# สร้าง PokeData Component และเขียนโค้ดสำหรับ Fetch Data และแสดงผลข้อมูล



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure with a 'component' folder highlighted, containing 'Header.jsx' and 'PokeData.jsx'. The code editor shows the 'PokeData.jsx' file with the following code:

```

1  "use client";
2
3  import React, { useState, useEffect } from "react";
4  import Link from "next/link";
5
6  function PokeData() {
7    const [poke, setPoke] = useState([]);
8    const [loading, setLoading] = useState(false);
9
10   console.log(poke);
11
12   useEffect(() => {
13     setLoading(true);
14     const fetchPokeData = async () => {
15       try {
16         const response = await fetch("https://pokeapi.co/api/v2/pokemon/");
17         const pokeData = await response.json();
18         setPoke(pokeData.results);
19       } catch (err) {
20         console.log(err);
21       }
22       setLoading(false);
23     };
24     fetchPokeData();
25   }, []);
26

```

# แสดงข้อมูลออกมาที่หน้าเว็บ (PokeData.jsx)

```
return (  
  <div className="container text-center mx-auto">  
    {loading ? (  
      <p>Loading...</p>  
    ) : (  
      <div className="grid grid-cols-5">  
        {poke.map((val, index) => (  
          <Link  
            key={val.name}  
            href={` /pokeinfo/[id]`}  
            as={` /pokeinfo/${index + 1}`}  
          >  
            <div  
              key={index}  
              className="flex justify-center items-center shadow-md  
                transition cursor-pointer hover:shadow-lg m-3 rounded-md"  
            >  
              <div>  
                <h3>{val.name}</h3>  
                <img  
                  src={` https://raw.githubusercontent.com/PokeAPI/sprites/master/sprites/pokemon/${index + 1}.png`}  
                  alt=""  
                />  
              </div>  
            </div>  
          </Link>  
        ) ) }  
      </div>  
    ) }  
  </div>  
) ;
```

# พลั่วพร่ได้

## NextJS Pokemon Finder App

Find your favourite Pokemon

Poke Data Component

Search

bulbasaur



ivysaur



venusaur



charmander



charmeleon



charizard



squirtle



wartortle



blastoise



caterpie



metapod



butterfree



weedle



kakuna



beedrill



pidgey



pidgeotto



pidgeot



rattata



raticate



# CHAPTER

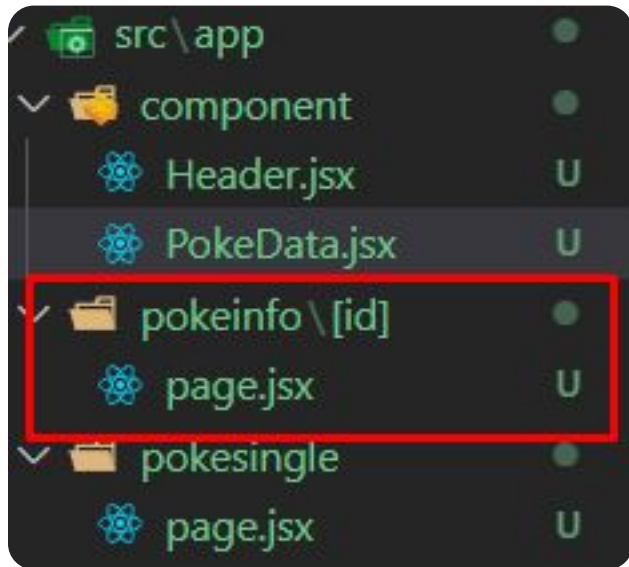
---

เขียนโค้ดสร้างหน้า  
สำหรับแสดงผล  
ข้อมูล Pokemon  
แบบเดี่ยว

# 04



# สร้างหน้าสำหรับแสดงผลข้อมูล Pokemon แบบเดี่ยว



สร้าง folder pokeinfo และข้างในสร้าง folder [id] และสร้างไฟล์ page.jsx สำหรับแสดงผลข้อมูล pokemon แบบเดี่ยว

```
page.jsx U X
src > app > pokeinfo > [id] > page.jsx > PokeInfo
1  "use client"
2
3  import React, { useState, useEffect } from 'react'
4  import { useParams } from 'next/navigation'
5  import Link from 'next/link'
6  import Image from 'next/image'
7
8  function PokeInfo() {
9
10   const params = useParams();
11
12   const [poke, setPoke] = useState([]);
13   const [loading, setLoading] = useState(false);
14
15   console.log(poke)
16   console.log(params)
17
18   useEffect(() => {
19     setLoading(true);
20     const fetchPokeDetails = async () => {
21       try {
22         const response = await fetch(`https://pokeapi.co/api/v2/pokemon/${params.id}`);
23         const pokeData = await response.json();
24         setPoke(pokeData);
25       } catch(err) {
26         console.log(err)
27       }
28       setLoading(false);
29     }
30     fetchPokeDetails();
31   }, [])
```

[Go Back](#)

bulbasaur



Weight: 69

Abilities: [overgrow](#) [chlorophyll](#)

Types: [grass](#) [poison](#)

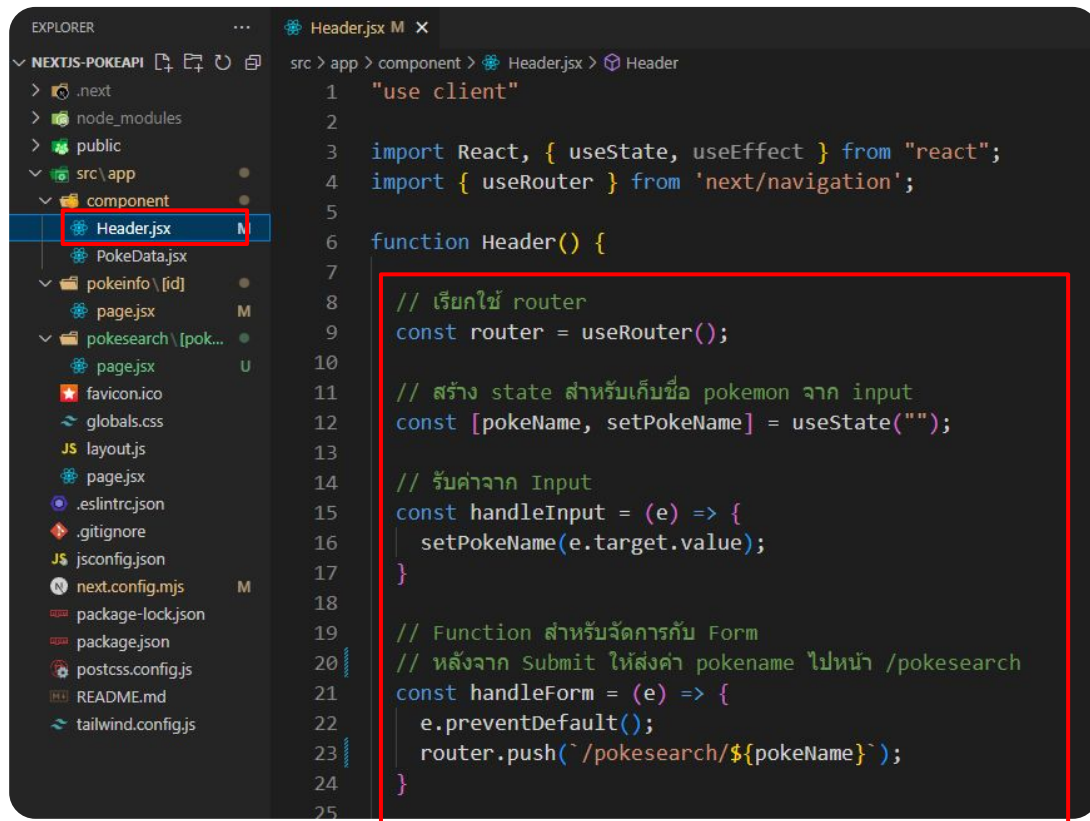
# CHAPTER

---

## สร้าง Search functionality

# 05

# เพิ่มโค้ดที่ Header.jsx



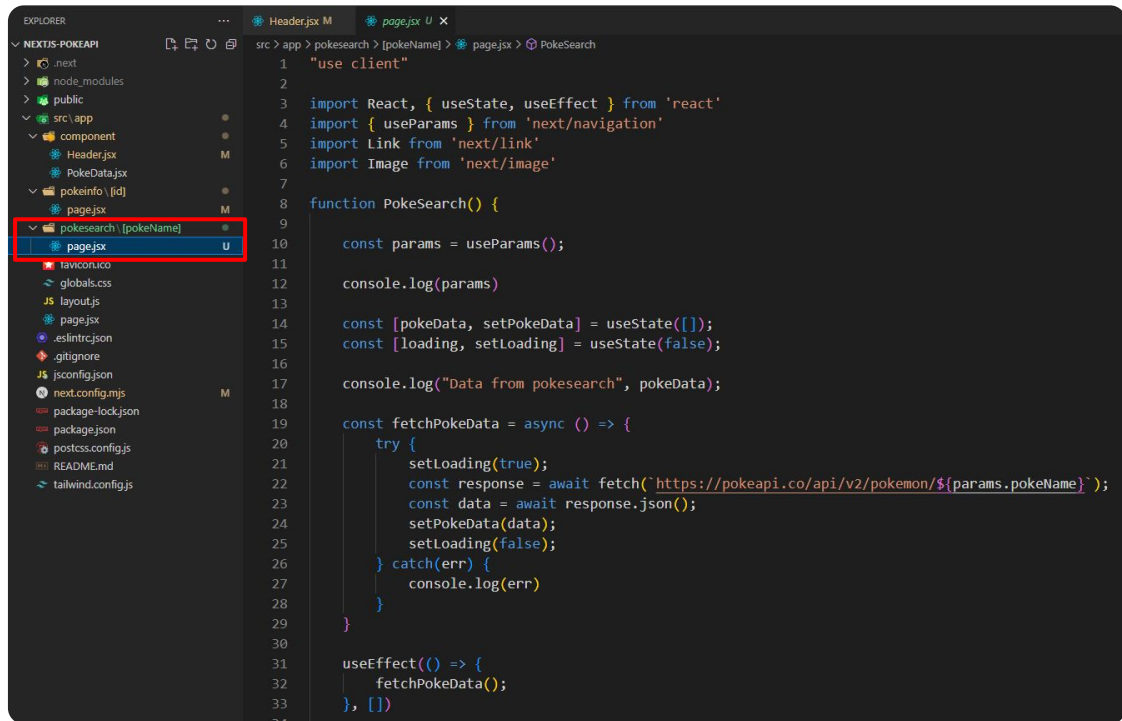
The screenshot shows the VS Code interface. On the left, the Explorer panel displays the file structure of a project named 'NEXTJS-POKEAPI'. The file 'Header.jsx' is highlighted with a red box. On the right, the code editor shows the content of 'Header.jsx'. The code includes imports for React, useState, useEffect, and useRouter. It defines a 'Header' function that uses 'useRouter' to create a 'router' variable and 'useState' to create a 'pokeName' state. It also includes a 'handleInput' function to update the state and a 'handleForm' function to prevent default form submission and push the current 'pokeName' to the router. A red box highlights the comments and the 'handleForm' function in the code.

```
1  "use client"
2
3  import React, { useState, useEffect } from "react";
4  import { useRouter } from 'next/navigation';
5
6  function Header() {
7
8    // เรียกใช้ router
9    const router = useRouter();
10
11    // สร้าง state สำหรับเก็บชื่อ pokemon จาก input
12    const [pokeName, setPokeName] = useState("");
13
14    // รับค่าจาก Input
15    const handleInput = (e) => {
16      setPokeName(e.target.value);
17    }
18
19    // Function สำหรับจัดการกับ Form
20    // หลังจาก Submit ให้ส่งค่า pokemon ไปหน้า /pokeseach
21    const handleForm = (e) => {
22      e.preventDefault();
23      router.push(` /pokeseach/${pokeName}`);
24    }
25  }
```

# เรียกใช้ function `handleForm` และ `handleInput`

```
<form onSubmit={handleForm} className="flex mt-2">
  <input
    type="text"
    className="w-full rounded-md border border-gray-300 px-3 py-2 text-gray-700 shadow-md"
    placeholder="Pokemon Name..."
    onChange={handleInput}
  />
  <button
    className="inline-flex items-center mx-2 px-4 py-2 rounded-md bg-green-500 text-white shadow-md"
    type="submit"
  >
    Search
  </button>
</form>
```

# สร้างหน้าสำหรับ แสดงผลข้อมูล search



The screenshot shows a code editor with a file explorer on the left and a code editor on the right. The file explorer shows a project structure for 'NEXTJS-POKEAPI'. The file 'page.jsx' is selected and highlighted with a red box. The code editor shows the content of 'page.jsx'.

```

1  "use client"
2
3  import React, { useState, useEffect } from 'react'
4  import { useParams } from 'next/navigation'
5  import Link from 'next/link'
6  import Image from 'next/image'
7
8  function PokeSearch() {
9
10     const params = useParams();
11
12     console.log(params)
13
14     const [pokeData, setPokeData] = useState([]);
15     const [loading, setLoading] = useState(false);
16
17     console.log("Data from pokeseach", pokeData);
18
19     const fetchPokeData = async () => {
20       try {
21         setLoading(true);
22         const response = await fetch(`https://pokeapi.co/api/v2/pokemon/${params.pokeName}`);
23         const data = await response.json();
24         setPokeData(data);
25         setLoading(false);
26       } catch (err) {
27         console.log(err)
28       }
29     }
30
31     useEffect(() => {
32       fetchPokeData();
33     }, [])
34   }

```

# แสดงผลข้อมูล

```
return (  
  <div className='p-24'>  
    <Link href="/" className='bg-blue-500 text-white p-3 rounded-md'>Go Back</Link>  
    <div className='flex justify-center text-center'>  
      <div className='shadow-md p-10 rounded-lg'>  
        {loading ? (  
          <p>Loading...</p>  
        ) : (  
          <>  
            <h3 className='text-3xl'>{pokeData.name}</h3>  
            <Image src={pokeData.sprites?.other.home.front_default} width={300} height={300} alt={pokeData.name} />  
            <div className='mt-5'>  
              <p className='my-3'>Weight: {pokeData.weight}</p>  
              <p className='my-3'>  
                Abilities: {" "  
                  {pokeData.abilities?.map(val => (  
                    <span key={val.ability.name} className='bg-gray-500 text-white px-3 py-1 rounded-md'>{val.ability.name}</span>  
                  ))}  
              </p>  
              <p className='my-3'>  
                Types: {" "  
                  {pokeData.types?.map(val => (  
                    <span key={val.type.name} className='bg-gray-500 text-white px-3 py-1 rounded-md'>{val.type.name}</span>  
                  ))}  
              </p>  
            </div>  
          </>  
        )}  
      </div>  
    </div>  
  )  
)
```



# ผลลัพธ์ที่ได้



Go Back

Search result:




# CHAPTER

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## การ Deploy NextJS Project ขึ้น Vercel Hosting


# 06

# อัฟโหลดโปรเจคขึ้นบน github


ohmiller

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[Projects](#)
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**Patiphan Phengpao**  
ohmiller

Founder of MilerDev, Instructor & Developer. Teaching Web Stuff and Programming !!

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Achievements

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HTML Updated last week

nodemon-demo
Public
JavaScript 1 Updated 3 weeks ago

react-nodejs-login-mysql-dashboard
Public
JavaScript 1 Updated on Jan 12

react-portfolio-project
Public
JavaScript Updated on Dec 21, 2023

reactport-demo
Public
JavaScript 1 Updated on Dec 19, 2023

kakai-project
Public
PHP 1 Updated on Dec 17, 2023

# จากนั้นทำการ Import git repo เพื่อ deploy project ขึ้นบน vercel






▲ ohmiler Hobby

Let's build something new.

To deploy a new Project, import an existing Git Repository or get started with one of our Templates.

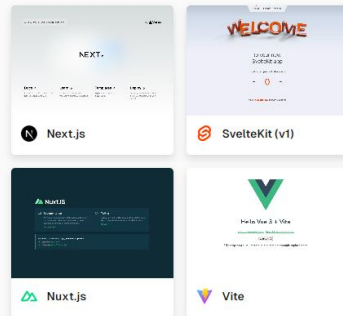
👤 Collaborate with a Team

## Import Git Repository

 skilllane-html-template · 2d ago	Import
 nextjs-test-deploy · 5d ago	Import
 nextjs-poke-api-demo · 10d ago	Import
 learn-web · 19d ago	Import
 nodemon-demo · 32d ago	Import

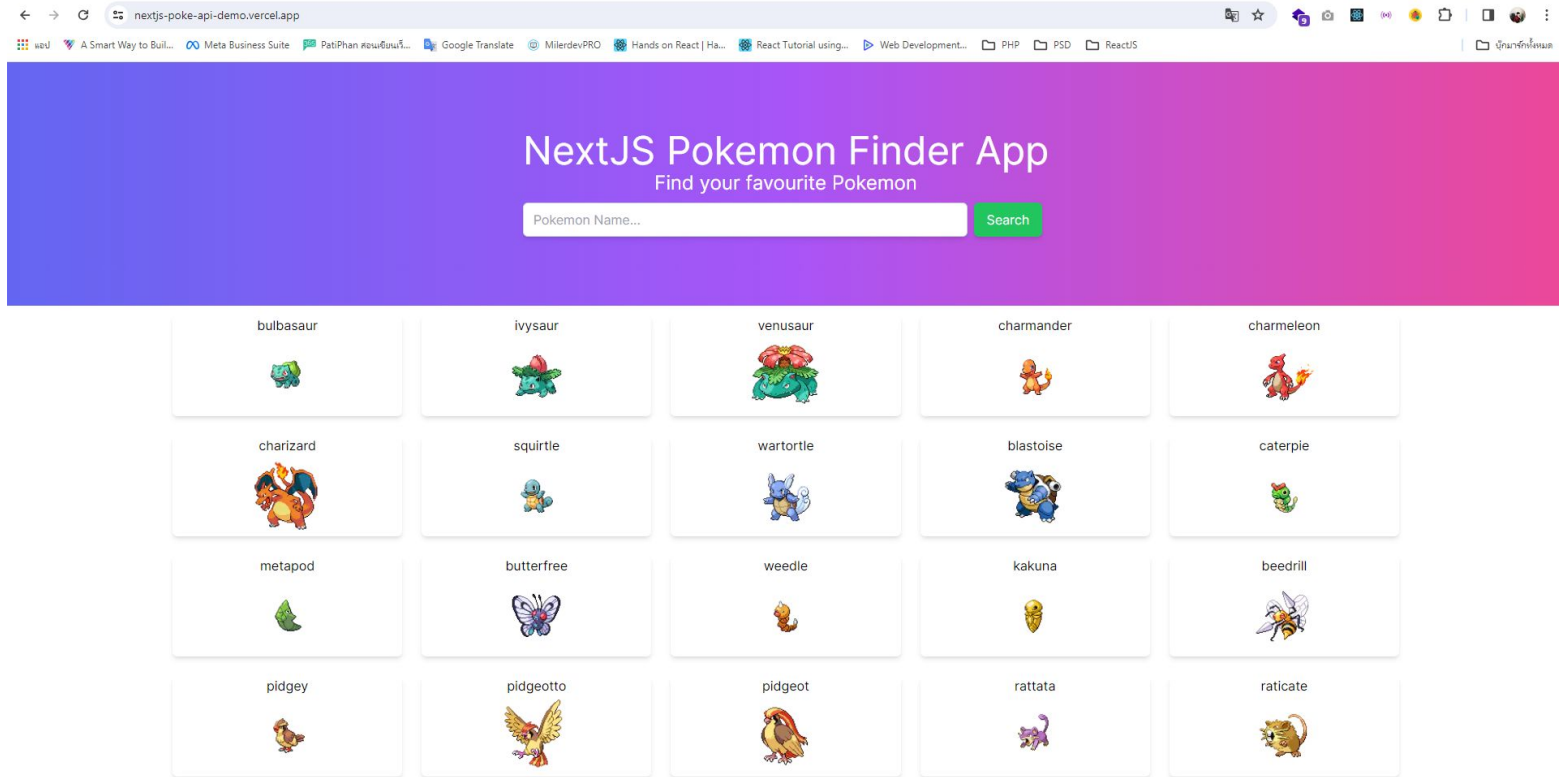
[Import Third-Party Git Repository →](#)

## Clone Template



[Browse All Templates →](#)

# ผลลัพธ์ที่ได้



# CHAPTER

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## Conclusion and What's next

# 07

# สิ่งที่เราได้เรียนรู้

1. ได้เรียนรู้การสร้าง Component และ Styling ด้วย TailwindCSS
2. ได้เรียนรู้การ Fetch Data จาก API
3. ได้เรียนรู้การส่งค่าและการรับค่าจาก params
4. ได้เรียนรู้การ deploy project