Day-2: Styling and Layout in Next.js

Practise Exercise

# CSS Modules

## Exercise

**Scenario:** You are tasked with creating a blog application using Next.js that utilizes CSS Modules for styling. The application should have a homepage displaying a list of blog posts with their titles and excerpts, and individual blog post pages showing the full content. You should use Next.js fundamentals such as components, routing, and dynamic routing along with CSS Modules to create a well-structured and styled application.

**Exercise:**

1. Set up a new Next.js project using **npx create-next-app blog-app**.
2. Create a **components** directory to store your reusable components and a **styles** directory inside it for CSS Modules.
3. Create a **Header** component with a **.module.css** file for styling. The header should contain the application's title and a link to the homepage.
4. Create a **PostPreview** component that takes a **post** prop with **title** and **excerpt** properties. The component should display the title and excerpt, and the title should be a link to the individual blog post page. Create a corresponding CSS Module file to style the component.
5. Modify the **pages/index.js** file to import and display the **Header** component and a list of **PostPreview** components. For now, use an array of mock post data for rendering purposes.
6. Create a **pages/posts/[slug].js** file to handle dynamic routing for individual blog post pages. This page should display the **Header** component, the post title, and the full post content. Use a CSS Module file to style the post content.
7. Add a **getStaticPaths** and **getStaticProps** function in **pages/posts/[slug].js** to generate static blog post pages based on the provided mock data. Ensure that each post has a unique **slug** property.

**Mock post data example:**

const posts = [

{

id: 1,

title: 'Introduction to Next.js',

excerpt: 'Learn the basics of Next.js and get started with your first project.',

content: 'Full article content goes here...',

slug: 'introduction-to-next-js'

},

{

id: 2,

title: 'CSS Modules in Next.js',

excerpt: 'Discover the benefits of using CSS Modules in your Next.js applications.',

content: 'Full article content goes here...',

slug: 'css-modules-in-next-js'

},

// Add more posts as needed

];

By completing this exercise, you will have practised using Next.js fundamentals such as components, routing, and dynamic routing, along with locally scoped CSS Modules for styling components. You will also have gained experience with Next.js static site generation features, which are essential for creating fast and efficient web applications.