Day-2: Styling and Layout in Next.js

Mini Project

# Exercise: Creating a Personal Blog with Next.js, Styled-JSX, and CSS Modules

In this exercise, you'll create a personal blog application using Next.js fundamentals, Styled-JSX, and CSS Modules. The blog will have a homepage displaying a list of blog posts, individual blog post pages, an about page, and a contact page.

**Duration**: 90 minutes

**Scenario**: You have been tasked with creating a personal blog for a client. The client wants to have a modern-looking blog with fast loading times and excellent SEO. You decide to use Next.js for its performance and SEO capabilities, Styled-JSX for scoped styling, and CSS Modules for component-specific styling.

**Requirements**:

1. Create a new Next.js application.
2. Create a global layout component with a header and a footer. The header should contain the blog title and navigation links to the homepage, about page, and contact page. Use Styled-JSX to style the header and footer components.
3. Create a **PostPreview** component to display a blog post's title and excerpt on the homepage. Use CSS Modules to style this component.
4. Create a **Post** component to display the full content of a blog post on individual blog post pages. Use Styled-JSX to style this component.
5. Create the following pages:
   * Homepage: Display a list of blog post previews using the **PostPreview** component.
   * Individual blog post pages: Use dynamic routing to create a page for each blog post using the **Post** component.
   * About page: Display some information about the blog author.
   * Contact page: Display a simple contact form (you don't need to implement form submission).
6. Use **getStaticProps** and **getStaticPaths** to generate static pages for the homepage and individual blog post pages.
7. Deploy the application to Vercel.

**Hints**:

* Use the provided examples and explanations for Styled-JSX, CSS Modules, and Next.js fundamentals as a reference for creating the components, pages, and styling.
* You can use mock data for blog posts or fetch data from a JSON file or an API.
* Remember to import and use the required Next.js components, such as **Link** and **Head**, for navigation and setting the page title.

By completing this exercise, you'll gain a deeper understanding of Next.js fundamentals, Styled-JSX, and CSS Modules. You'll learn how to create a modern and performant blog application, with a global layout, dynamic content, and scoped styling.