Styled Component

Styled-components is a library for React and React Native that allows you to use component-level styles in your application. It helps you write plain CSS within your JavaScript code, leveraging tagged template literals to style your components. This approach keeps your styling highly scoped to the component, making it easy to maintain and more modular.

Here's a basic example to get you started:

First, you'll need to install the styled-components library:

bash

npm install styled-components

Now, let's create a simple styled button component in your React app:

jsx

import React from 'react';

import styled from 'styled-components';

const Button = styled.button`

background-color: #4CAF50;

border: none;

color: white;

padding: 15px 32px;

text-align: center;

text-decoration: none;

display: inline-block;

font-size: 16px;

margin: 4px 2px;

cursor: pointer;

&:hover {

background-color: #45a049;

}

`;

const App = () => (

<div>

<Button>Click Me</Button>

</div>

);

export default App;

In this example, the Button component is a styled version of the standard HTML <button> element. You can easily customize and extend the styling to match your design requirements.

First, make sure you have styled-components installed. If not, install it using:

bash

npm install styled-components

Next, let's create the styled card component:

jsx

import React from 'react';

import styled from 'styled-components';

const Card = styled.div`

background-color: white;

border-radius: 10px;

box-shadow: 0 4px 8px rgba(0, 0, 0, 0.2);

max-width: 300px;

margin: 20px;

padding: 20px;

transition: box-shadow 0.3s ease;

&:hover {

box-shadow: 0 8px 16px rgba(0, 0, 0, 0.2);

}

`;

const Header = styled.h2`

margin-top: 0;

color: #333;

`;

const Content = styled.p`

color: #666;

font-size: 16px;

`;

const Button = styled.button`

background-color: #007BFF;

border: none;

color: white;

padding: 10px 20px;

border-radius: 5px;

cursor: pointer;

&:hover {

background-color: #0056b3;

}

`;

const App = () => (

<Card>

<Header>Card Title</Header>

<Content>This is some content inside the card.</Content>

<Button>Click Me</Button>

</Card>

);

export default App;

In this example:

* The Card component has a white background, rounded corners, and a subtle shadow effect. When you hover over it, the shadow becomes more pronounced.
* The Header component styles the title of the card with a specific color and removes the top margin.
* The Content component styles the content text with a different color and font size.
* The Button component has a background color, padding, and rounded corners. It changes color slightly when hovered over.